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December 12, 2025

-VIA ELECTRONIC FILING-

Adam Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket No. _____
Florida Power & Light Company's 2025 Decommissioning Study

Dear Mr. Teitzman:

In compliance with Rule 25-6.04365, F.A.C., I am enclosing for filing on behalf of Florida Power & Light Company ("FPL") the Petition of Florida Power & Light Company for Approval of its 2025 Decommissioning Study. The 2025 Nuclear Decommissioning Study, including its Executive Summary, is attached to the Petition. The study results are based on estimates and assumptions that follow Nuclear Regulatory Commission ("NRC") requirements and industry guidelines for the development of the costs to remove and dismantle nuclear power plants decades into the future. Funds are maintained and interest reinvested in the decommissioning trusts as required by the NRC, Internal Revenue Service, Federal Energy Regulatory Commission and this Commission. Under federal law, these funds may only be used for nuclear decommissioning, are not available for any other use, and do not earn a return or profit for FPL. Key findings:

- (1) The trusts remain adequately funded so that FPL customers are not required to bear undue risk of incurring additional costs when the time comes to decommission FPL's nuclear power plants.
- (2) FPL customers have not contributed to the decommissioning trusts since 2005, and the study confirms that, as of December 31, 2025, the trusts continue to be adequately funded without FPL customer contributions.

Please feel free to contact me at 561-304-5662 if you have any questions about this transmittal.

Sincerely,

/s/ William P. Cox
William P. Cox
Senior Counsel
Florida Bar No. 0093531

Enclosure

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition of Florida Power & Light)	Docket No. _____
Company for Approval of its 2025 Nuclear)	
Decommissioning Study)	Filed: December 12, 2025
_____)	

**PETITION OF FLORIDA POWER & LIGHT COMPANY FOR APPROVAL
OF ITS 2025 NUCLEAR DECOMMISSIONING STUDY**

Florida Power & Light Company (“FPL”), pursuant to Rule 25-6.04365, Florida Administrative Code (“F.A.C.”), petitions the Commission to approve FPL’s updated study concerning the decommissioning of its nuclear generation units (the “2025 Decommissioning Study”). The 2025 Decommissioning Study is comprised of two separate volumes, for the St. Lucie and Turkey Point plant sites, which are attached hereto and incorporated herein by reference.

1. Pursuant to Rule 25-6.04365, F.A.C., each utility that owns a nuclear generating plant is required to file a Nuclear Decommissioning Study on a regular basis to ensure that there are sufficient funds on hand at the time of decommissioning to meet all required expenses. As shown in the 2025 Decommissioning Study, based on FPL’s assumptions such as the rate of burial cost escalation and fund earnings assumptions, maintaining the current annual accrual of \$0 will satisfy FPL’s retail share of the future cost of total nuclear decommissioning costs. Therefore, FPL requests no change to the accrual for nuclear decommissioning.

2. In addition, as required by the Commission in Order No. PSC-2021-0232-PAA-EI, FPL has updated its estimates for the last core of nuclear fuel (“Last Core”) and end of life materials and supplies (“EOL M&S”) inventories as part of the 2025 Decommissioning Study. FPL requests no change in the accruals for Last Core and EOL M&S at this time. FPL will

address the updated estimates for Last Core and EOL M&S in its accruals as part of FPL's next general base rate proceeding.

WHEREFORE, FPL respectfully requests that the Commission approve its 2025 Decommissioning Study.

Respectfully submitted,

John Burnett, Esq.
Vice President and General Counsel
William P. Cox, Esq.
Senior Counsel
Florida Power & Light Company
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By: /s/ William P. Cox
William P. Cox
Fla. Bar No. 0093531

CERTIFICATE OF SERVICE

Docket No. 2025 _____

I HEREBY CERTIFY that a true and correct copy of Florida Power & Light Company's Petition for Approval of its 2025 Nuclear Decommissioning Study has been furnished by electronic service on December 12, 2025 to the following:

Adria Harper, Esq. Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399 aharper@psc.state.fl.us	Walt Trierweiler, Esq. Office of Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399 trierweiler.walt@leg.state.fl.us
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By: /s/ William P. Cox

William P. Cox

Fla. Bar No. 0093531

FLORIDA POWER & LIGHT COMPANY

2025 DECOMMISSIONING STUDY

ST. LUCIE NUCLEAR UNIT
NOS. 1 & 2

December 2025

**Florida Power & Light Company
2025 Decommissioning Study
St. Lucie Nuclear Units**

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SECTION 1

EXECUTIVE SUMMARY

Overview

FPL's 2025 Nuclear Decommissioning Study results are based on estimates and assumptions that follow Nuclear Regulatory Commission (NRC) requirements and industry guidelines for the development of the costs to remove and dismantle nuclear power plants years into the future. Funds are maintained and interest is reinvested in the decommissioning trusts as required by the NRC, Internal Revenue Service, the Federal Energy Regulatory Commission (FERC) and the Florida Public Service Commission (FPSC or the Commission). Under federal law, these funds may only be used for nuclear decommissioning, are not available for any other use and do not earn a return or interest for FPL. The study is essentially a snapshot, which shows that based on current assumptions FPL's nuclear decommissioning trust funds are appropriately funded, *i.e.*, the current fund balances exceed the expected costs of decommissioning on a present value basis. Compared to 2020, the currently calculated funding position has improved due in part to the assumed St. Lucie license extension which will allow funds to grow for an additional twenty years. FPL customers have not contributed to the decommissioning trusts since 2005, and the study confirms that, as of December 31, 2025, the trusts continue to be adequately funded without additional FPL customer contributions.

Decommissioning studies represent the aggregation of numerous estimates for activities and costs that will not be incurred for at least 25 years. As such, they are highly dependent upon input assumptions that can and will change over time. For example, future funding positions could differ from today's position. The 2025 Nuclear Decommissioning Study was prepared by EnergySolutions, LLC (EnergySolutions or ES); the same consultant used for the last filed study in 2020. Adjustments to the underlying assumptions referenced above netted an overall increase in cost of 15.1% for Turkey Point and 9.1% for St. Lucie between the 2025 and 2020 studies. The increase in cost for the Turkey Point and St. Lucie units is driven by increases in License Termination and Site Restoration, with the primary driver a result of escalation. A detailed analysis of the changes in assumptions is provided in the last sections (Section 11 and 12) of each of the site reports. The current assumed long-term fund earnings rate of 4.5% is 0.5% higher than the assumption utilized in the 2020 Decommissioning Study due to changes in the allocations in the investment portfolio plus the impact of the assumed St. Lucie license extension. Such changes, regardless of direction, reaffirm the importance of maintaining adequate funding and the value of the periodic review of these studies as required by FPSC rule.

2025 Study Approach

The information contained in this 2025 Decommissioning Study is presented in compliance with Rule 25-6.04365, Florida Administrative Code (F.A.C.), and prior Commission Orders. FPL contracted EnergySolutions, a company experienced in managing nuclear decommissioning activities and a leader in radioactive waste management and disposal, to prepare its 2025 site-specific nuclear decommissioning cost analysis and comparison reports. These are all estimated costs based on NRC requirements, industry guidelines, and prior experience. EnergySolutions included the most up-to-date actual decommissioning information available to ensure the methodology used to prepare the cost analysis is reasonable.

FPL selected the DECON (immediate dismantlement) decommissioning option for its units. The DECON method provides not only a lower cost, but also enables a coordinated sequence of decommissioning events, which allows for a one-time mobilization of contractor personnel and equipment. FPL's choice of the DECON method is consistent with the method in prior studies

approved by the Commission for purposes of determining FPL's appropriate accrual and funding requirements.

Escalation Rate

The 2025 Decommissioning Study assumes that future decommissioning costs grow at an average rate of approximately 4.06% per year. This is an increase over the average escalation rate of 3.15% assumed in the 2020 study. While FPL believes that the current escalation rates are reasonable for the purpose of the 2025 Decommissioning Study, it should be noted that subsequent changes in the assumed escalation rate could increase, which would result in higher projected future decommissioning costs.

Spent Fuel Management

Consistent with prior studies and assumptions approved by the Commission, the decommissioning cost estimates include the cost associated with interim storage of spent nuclear fuel (SNF) on site until such time the Department of Energy (DOE) is able to remove SNF from the site. Consistent with the 2020 study, FPL reflects the reimbursements from the US Government to cover the cost incurred for managing and storing SNF that would not have been incurred but for DOE's delay in SNF disposal. As such and for purposes of this study, the DOE is expected to make payments to FPL to cover spent fuel management costs incurred by FPL prior to 2070 for St. Lucie and 2066 for Turkey Point. The ultimate timing and amounts of reimbursements will depend on many factors, including but not limited to, the DOE's ability to receive SNF and the Government's compliance with the terms of the Settlement Agreement.

Conclusion

The 2025 Decommissioning Study indicates that the trusts are at an adequate funding level given current assumptions and projections. FPL has earned its customers' trust by using careful, prudent investment strategies in all facets of its business including the management of its nuclear decommissioning trusts. Despite market volatility, the funds remain secure. As a result, FPL's current annual expense accrual requirements for decommissioning costs presented in this study support a zero accrual and funding requirement as of December 31, 2025.

In addition, as required by the Commission in Order Nos. PSC-02-0055-PAA-EI and PSC-10-0153-FOF-EI, FPL has updated its estimates for End-of-Life Nuclear Fuel Last Core and End-of-Life Materials and Supplies Inventory balances for each of its nuclear sites. This information is provided for informational purposes with this study. FPL is not requesting a change in accruals at this time. Rather, FPL believes that the results of these updated values should be addressed in FPL's next base rate proceeding and that the appropriate changes in accruals, if any, should be made at that time.

SECTION 2

ASSUMPTIONS

**Florida Power & Light Company
2025 Decommissioning Study
St. Lucie Nuclear Units
Assumptions**

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Assumptions Summary

Following is a summary of the assumptions used to derive the annual accrual, and funding and revenue requirements. These assumptions are more fully developed on the following pages.

	<u>Unit No. 1</u>	<u>Unit No. 2</u>
Decommissioning Method	SAFSTOR/ Integrated DECON (Prompt Removal/ Dismantling	DECON (Prompt Removal/ Dismantling)
Total Decommissioning Cost Per EnergySolutions, LLC (Current cost estimate in 2025 \$)	\$999,057,000	\$905,730,000
FPL's Cost of Decommissioning - Jurisdictional & net of Unit No. 2 Participants' obligation (Current cost estimate in 2025 \$)	\$957,997,000	\$752,391,000
Method of Funding (2025 – End)	Qualified/ Nonqualified	Qualified/ Nonqualified
Funding Periods (Years to License Expiration)	30.21	37.29
Assumed Fund Earnings rate	4.5%	4.5%
Average Escalation Rate for Decommissioning Costs (2025 – End)	3.99%	4.24%
FPL Ownership Allocation (%)	100%	86.63%
FPSC Jurisdictional Separation Factor (%)	95.89%	95.89%
Estimated Fund Balance: Qualified Fund (As of 12/31/25)	\$874,395,000	\$799,368,000
Estimated Fund Balance: Nonqualified Fund (As of 12/31/25)	\$232,226,000	\$113,113,000

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	<u>Unit No. 1</u>	<u>Unit No. 2</u>
End of Life M & S Inventory Value: Net of Participants' obligation (As of 12/31/25)	N/A	\$50,047,358
End of Life Nuclear Fuel Last Core Value: Net of Participants' obligation (As of 12/31/25)	\$231,500,000	\$197,800,000
Year of Last Pick Up of Spent Fuel	2082	2082
Expected DOE Reimbursement (Current cost estimate in 2025 \$)	\$186,433,000	\$129,580,000

Decommissioning Methods

For purposes of this analysis, decommissioning is defined as the activity whereby nuclear facilities are removed safely from service and residual radioactivity is reduced to a level that permits release of the property for unrestricted use and termination of the operating license granted under Title 10 Code of Federal Regulation (CFR) Part 50. Decommissioning also includes the dismantlement, disposal and site restoration activities associated with the non-contaminated portion of the facilities. These activities are not required for termination of the operating license but are required to address other non-radiological requirements associated with the release of the site.

The Nuclear Regulatory Commission (NRC) has defined three acceptable decommissioning methods: Prompt Removal/Dismantling (DECON); Safe Storage/Deferred Decontamination (SAFSTOR); and Entombment (ENTOMB). The study utilizes the NRC terminology, but also includes the additional activities required to accommodate the non-contaminated portion of the facilities.

The DECON and SAFSTOR alternatives were both examined and are presented in the EnergySolutions Decommissioning Cost Analysis (Section 11) of this filing. The ENTOMB alternative was not considered, because it is considered impractical for a facility which generates significant amounts of long-lived radioactive material due to neutron activation. FPL selected an integrated DECON decommissioning option for St. Lucie Units 1 and 2. Due to the difference in the operating license period of Units 1 and 2, this option entails approximately 7 years of dormancy (SAFSTOR) for Unit 1 followed by prompt dismantlement (DECON) of both Units 1 and 2. The integrated DECON method provides not only a lower cost, but also enables a sequence of events, which allows for a one-time mobilization of contractor personnel and equipment. This method is consistent with the method in prior studies approved by the Commission for purposes of determining the appropriate accrual and funding requirements.

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Total Decommissioning Costs

Below are the total estimated costs of decommissioning the St. Lucie facility as provided by FPL's consultant, EnergySolutions in 2025 dollars.

St. Lucie Unit No. 1	
Labor	\$440,953,000
Equip & Materials	168,270,000
Transportation	70,914,000
Burial	232,841,000
Other	<u>86,079,000</u>
Total	\$999,057,000

St. Lucie Unit No. 2	
Labor	\$410,291,000
Equip & Materials	143,565,000
Transportation	69,395,000
Burial	227,294,000
Other	<u>55,185,000</u>
Total	\$905,730,000

Funding Method

In Docket No. 810100-EU, Order No. 10987 issued July 13, 1982, the FPSC ordered FPL to establish a funded reserve. Beginning in 1983 FPL began making contributions, on a net of tax basis, to an externally funded reserve. In 1986, the Treasury Department issued temporary regulations under Internal Revenue Code Section 468A relating to the deductibility of contributions made to a qualified decommissioning fund. These regulations, which were finalized in March of 1988, provide for an annual election by the taxpayer to make tax-deductible contributions to a qualified nuclear decommissioning fund. Qualified nuclear decommissioning funds have been established by FPL for each of the four nuclear units. FPL elected to make contributions to the qualified funds, to the maximum allowed, for the years 1984 through 1987, 1992 through 2004 and for the year to date period ended August 31, 2005. Per the Stipulation and Settlement Agreement approved by the Commission in Order No. PSC-05-0902-S-EI, FPL suspended accruals effective September 1, 2005, and as such, no additional contributions to the funds have been made subsequent to that date.

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2025 Decommissioning Study
St. Lucie Nuclear Units
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The funding analysis presented in Schedule G of this study indicates that no additional contributions to the qualified and nonqualified funds are projected to be required through the remainder of the funding period that ends with the expiration of the unit's operating license. Only the after-tax earnings of the trust fund investments are assumed to continue to be reinvested and accumulated in the respective funds. Future decommissioning expenditures are assumed to be distributed from the qualified and nonqualified funds in proportion to the balance accumulated at the time of expenditure.

Funding Period

The funding period, to the extent funding is required, is that period over which revenues are collected from ratepayers for purposes of decommissioning the St. Lucie Units. Funding periods for both units end on the last day of the month in which the operating license for the unit is due to expire. The operating license expiration dates for the St. Lucie units are as follows, which assumes approval of the subsequent license extension currently pending with the NRC.

- St. Lucie Unit No. 1 - March 1, 2056
- St. Lucie Unit No. 2 - April 6, 2063

Based on the results of the funding analysis presented in Support Schedule G, no additional funding is required at this time.

Fund Earnings Rate

For purposes of this 2025 study update and funding analysis, the projected annual funds earnings rate, net of taxes and all other administrative costs charged to the trust funds, for Units 1 and 2 qualified and nonqualified fund investments, is assumed to be 4.5%. This assumption is based on a projected real long-term, after tax and net of fees, earnings rate of 2.0% plus an estimated long term average inflation rate of 2.5%. The long-term, after tax and net of fees earnings rate reflects the projection of continued adequacy of the funds and assumes a conservative investment strategy where the funds are moved to 100% fixed income prior to the first year of decommissioning and a more conservative all bonds and cash asset mix in the final years of decommissioning. FPL recognizes that over the long-term period there will likely be times when the earned return may be greater or less than the assumed 4.5%. Consistent with prior Commission practice and Rule 25-6.04365 F.A.C., the assumptions presented in this 2025 Decommissioning Study will be reviewed and updated as appropriate “at least once every five years”.

The annual rates of change in CPI were taken from “The U. S. Economy, The 30 – Year Outlook, November 2025”, published by Global Insight.

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Escalation Rate

The annual escalation rates used to estimate total future dismantlement costs from 2025 through the final year of decommissioning are as follows:

	<u>Average Annual Escalation Rate</u>
St. Lucie Unit No. 1	3.99%
St. Lucie Unit No. 2	4.24%

The above rates were derived by applying separate inflation indices to each of the major cost components of Labor, Materials and Equipment, Transportation, Burial, and Other.

<u>Cost Component</u>	<u>Inflation Index</u>
Labor	Compensation per Hour (Nonfarm)
Materials and Equipment	PPI - Intermediate Materials, Supplies, and Components
Transportation	GDP Deflator – Transportation Services
Burial	FPL Analysis & CPI
Other	GDP (Implicit)

For purposes of this 2025 study update, the inflation indices were obtained from “The U.S. Economy, The 30 – Year Outlook, November 2025”, published by Global Insight except for the burial index.

The burial cost estimates are assumed to escalate at an average annual rate of 2%. This is consistent with the rate assumed in the 2020 study. FPL has an agreement with EnergySolutions which provides for the long-term disposal of Class A waste generated during decommissioning. As such, burial costs for disposal of Class A waste is estimated based on the EnergySolutions agreement. In addition, the cost estimates for processed/conditioned (at off-site recycling center) disposal of Class A waste is assumed to be at a competitive rate comparable to the EnergySolutions pricing. Burial cost rates for Class B and Class C waste, not covered by the EnergySolutions Agreement, are less certain and based on rates equivalent to published Low Level Waste (LLW) Burial Site rates. FPL is assuming the escalation rate applicable to Class B and C waste is to be 0% due to the decrease in historical rate of change of the most recently published NRC NUREG 1307, Revision 20 which assumes the cost for disposal of Class B and C is the same as that for the Texas disposal facility located in states not affiliated with the Texas Compact. The resulting annual escalation rate of 2% is a weighted average rate for both St. Lucie and Turkey Point.

For a more detail calculation of the overall weighted average escalation rate and annual rate of change for each component, please refer to Support Schedule G ("Inflation and Funding Analysis").

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FPL/Participant Ownership Share of Nuclear Units

The participants and their ownership interests in the St. Lucie facility are as follows:

	<u>St. Lucie Unit No. 1</u>	<u>St. Lucie Unit No. 2</u>
Florida Power & Light Company	100.0%	85.10449%
Orlando Utilities Commission	0.0	6.08951%
Florida Municipal Power Agency	<u>0.0</u>	<u>8.80600%</u>
Total	<u>100.0%</u>	<u>100.00000%</u>

For purposes of allocating decommissioning costs between FPL and Participants in the St. Lucie Unit No. 2, an adjustment was made to the ownership percentages to reflect the appropriate Common Facility cost obligation of participants.

This adjustment was necessary because the decommissioning cost study attributes common facility costs to St. Lucie No. 2. Because the Participants contractual obligation currently provides that they pay for only their ownership share times one-half of the common facility costs, to apply their ownership share to the total cost of decommissioning Unit No. 2 would overstate the Participants' cost obligation. This adjustment to the ownership percentage is reflected in what is termed a "Cost Allocation Factor" and represents the cost obligation of FPL and Participants as a percentage of the total costs of decommissioning. The "Cost Allocation Factor" calculation is given in Support Schedule H "Cost Allocation Analysis".

The Cost Allocation Factors for St. Lucie Unit No. 2 are:

	<u>St. Lucie No. 2</u>
Florida Power & Light Company	86.63059%
Participants	<u>13.36941%</u>
Total	<u>100.00000%</u>

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**St. Lucie Unit No. 2
Participant Owners Funding Status**

<u>Participant</u>	<u>Allocated Share</u>	<u>\$ thousands</u>		
		<u>Allocated Costs 2025 \$'s</u>	<u>Required at 12/31/2025 ^(a)</u>	<u>Amount Funded at 10/31/2025 ^(b)</u>
Orlando Utilities Commission (OUC)	5.46562%	\$49,504	\$26,237	\$49,622
Florida Municipal Power Agency (FMPA)	<u>7.90379%</u>	<u>71,587</u>	<u>37,941</u>	<u>71,758</u>
Participant's Total	13.36941%	\$121,091	<u>\$64,178</u>	<u>\$121,380</u>
Florida Power & Light Company	<u>86.63059%</u>	<u>784,639</u>		
Total	<u>100.00000%</u>	<u>\$905,730</u>		

Notes:

- (a) - At December 31, 2025, the funded balance should approximate 53% (42 yrs. / 80 yrs.) of decommissioning costs.
- (b) - Excluding unrealized market gains/losses

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FPSC Jurisdictional Factor

The factor applicable to both units is 95.8901%.

Fund Balances

Estimated/actual fund balances (qualified and nonqualified) at December 31, 2025^(a) for each of the two St. Lucie Units are as follows:

	<u>Qualified</u>	<u>Nonqualified</u>
Unit No. 1	\$874,395,000	\$232,226,000
Unit No. 2	\$799,368,000	\$113,113,000

(a) Excluding unrealized market gains/losses.

See support Schedule C ("Projected Fund and Reserve Balances") for detail composition and adjustments to the qualified and nonqualified fund balances.

End of Life Materials and Supplies Inventory Values

The decommissioning cost estimates contained in the EnergySolutions Decommissioning Cost Analysis (Section 11) of this study and in the funding analysis contained in Support Schedule G of this filing do not take into consideration the unrecovered value of any Materials and Supplies Inventories that will ultimately exist at the site following shut down of both units. Both FPL and this Commission have previously recognized that there will be a level of inventories that will remain at the end of life of Unit No. 2, the last unit to reach end of license, which must be recovered prior to the end of site operations. These inventories are unique and will have little value other than scrap value when the units are decommissioned. In Order No. PSC-02-0055-PAA-EI, the Commission authorized FPL to begin recording the amortization of estimated end of life materials and supplies costs as a base rate fuel expense with a credit to a separate (unfunded) Reserve sub-account of FERC Account 228. Additionally, the Commission directed the Company to address the costs associated with the materials and supplies in subsequent decommissioning studies so that the related annual accruals can be revised, if warranted. The annual expense/reserve accruals associated with End of Life Inventories are being accounted for, as directed by the Commission, in a separate (unfunded) Reserve sub-account of FERC Account 228.

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As provided in Support Schedule E of this study, the Materials and Supplies inventory balance, less estimated salvage, that is anticipated to remain at the end of life of Unit No. 2, the last unit to reach end of license, is projected to be \$50,047,358 (Net of Participants' obligation). The actual balance accrued as of December 31, 2025 is \$13,716,628. FPL is not requesting a change in accruals at this time. Rather, FPL believes that the results of these updated values for End of Life Materials and Supplies should be addressed in FPL's next base rate proceeding and the appropriate changes in accruals, if any, be made at that time.

End of Life Last Core Nuclear Fuel Values

FPL recognizes that there will be unburned fuel that will remain in the fuel assemblies at the end of the last operating cycle of each nuclear unit when it ceases operation. In Docket No 981246-EI the Commission found that the cost associated with the Last Core nuclear fuel were costs that should be considered a base rate future obligation and that amortization of this obligation over the remaining life span of each nuclear unit ratably allocates the costs to those customers receiving the benefit of the nuclear generation and avoids a burdensome expense at the time of unit shut down. In Order No. PSC-02-0055-PAA-EI the Commission authorized FPL to begin recording the amortization of estimated Last Core costs as a base rate fuel expense with a credit to a separate (unfunded) Reserve sub-account of FERC Account 228. Additionally, the Commission directed the Company to address the costs associated with the Last Core nuclear fuel in subsequent decommissioning studies so that the related annual accruals can be revised, if warranted. The annual expense/reserve accruals associated with End of Life Nuclear Fuel Last Core values are accounted for, as directed by the Commission, in a separate (unfunded) Reserve sub-account of FERC Account 228.

As provided in Support Schedule F of this study, the estimated cost of unburned fuel remaining in the reactor at the end of life (end of license) for each unit is:

- | | |
|-------------------------------------------|---------------|
| • Unit No. 1 | \$231,500,000 |
| • Unit No. 2 (net of Participant's costs) | \$197,800,000 |

The actual balances accrued as of December 31, 2025 are:

- | | |
|-------------------------------------------|--------------|
| • Unit No. 1 | \$47,437,854 |
| • Unit No. 2 (net of Participant's costs) | \$39,144,037 |

FPL is not requesting a change in accruals at this time. Rather, FPL believes that the results of these updated values for End of Life Nuclear Fuel Last Core should be addressed in FPL's next base rate proceeding and the appropriate changes in accruals, if any, be made at that time.

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Spent Nuclear Fuel Storage

The Nuclear Waste Policy Act of 1982 assigns to the Federal Government responsibility to provide for the permanent disposal of spent nuclear fuel (SNF) and high-level radioactive waste (HLW), and committed the Department of Energy (DOE) to begin acceptance of SNF/HLW not later than January 31, 1998 under terms of its Standard Disposal Contracts with waste generators. The DOE has not yet provided for SNF storage and is not accepting SNF as committed to under the contract.

In Docket No. 941350-EI, and No. 981246-EI, the FPSC recognized the impact on the decommissioning process and the potential costs of on-site dry fuel storage resulting from the inability of the DOE to provide for the timely removal of SNF. In Order Nos. PSC-95-1531-FOF-EI and PSC-02-0055-PAA-EI, the FPSC specifically approved the inclusion of costs associated with the dry storage of spent nuclear fuel following the end of each units operating license which were considered necessary to accommodate the timely decommissioning of each unit.

Consistent with the Commission's prior findings, this updated 2025 Decommissioning Study includes the costs relating to the construction, operation, and dismantlement of an on-site independent spent fuel storage installation (ISFSI) that is required to accommodate the timely decommissioning of the St. Lucie units. The potential cost impact of extended spent fuel storage that will exist subsequent to the license expiration of the St. Lucie nuclear units is presented in (Section 11) of the 2025 Decommissioning Cost Analysis for the St. Lucie Plant. The decommissioning cost estimates included in this filing are based on the EnergySolutions prepared Decommissioning Cost Analysis for the St. Lucie Plant, Units 1 and 2 dated December 2025.

In addition, FPL and certain nuclear plants joint owners signed a settlement agreement (spent fuel settlement agreement) with the U.S. Government in 2009 agreeing to dismiss with prejudice lawsuits filed against the U.S. Government seeking damages caused by the DOE's failure to dispose of spent nuclear fuel from FPL's nuclear plants. As such, the DOE is expected to continue to make payments to FPL to cover the costs incurred for managing and storing the spent fuel that it would not have incurred but for DOE's delay in performance.

**Florida Power & Light Company
2025 Decommissioning Study
St. Lucie Nuclear Units
Assumptions**

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Below are the St. Lucie estimated costs of Decommissioning expected to be recovered from the DOE as provided by FPL's consultant, EnergySolutions in 2025 dollars.

St. Lucie Unit No. 1

Labor	\$110,386,000
Equip & Materials	56,464,000
Other	<u>19,584,000</u>
Total	\$186,433,000

St. Lucie Unit No. 2

Labor	\$87,357,000
Equip & Materials	36,557,000
Other	<u>5,666,000</u>
Total	\$129,580,000

Further discussion of the costs and assumptions regarding DOE reimbursement is contained in Section 5.0 of the Decommissioning Cost Analysis for the St. Lucie Plant, Units 1 and 2 dated December 2025. Consistent with prior Commission practice and Rule 25-6.04365 F.A.C., the assumptions presented in this 2025 Decommissioning Study related to DOE reimbursement will be reviewed and updated as appropriate "at least once every five years".

Annual Decommissioning Accrual Requirements

FPL's current annual expense accrual requirements for St Lucie Nuclear Plant Decommissioning costs presented in this study support a zero accrual and funding requirement as of December 31, 2025. The decommissioning costs estimates, funding analysis, and supporting assumptions presented in this study were prepared in a manner consistent with prior Commission approved studies, methodologies and practices.

SECTION 3

SUPPORT SCHEDULE A

Nuclear Decommissioning Reserve Balance
December 31, 2020 through October 31, 2025

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Reserve Balances (1)
December 31, 2020 through October 31, 2025
\$000

<u>December 31, 2020</u>	<u>Beginning Balance</u>	<u>Revenues Collected</u>	<u>Earnings to Reserve</u>	<u>Ending Balance</u>
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$330,331	\$0	\$4,542	\$334,873
Turkey Point Unit No. 4	353,932	0	4,868	358,800
St. Lucie Unit No. 1	297,652	0	4,093	301,745
St. Lucie Unit No. 2	144,975	0	2,000	146,974
TOTAL	<u>\$1,126,889</u>	<u>\$0</u>	<u>\$15,502</u>	<u>\$1,142,392</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$505,214	\$0	\$25,919	\$531,133
Turkey Point Unit No. 4	578,833	0	29,682	608,514
St. Lucie Unit No. 1	654,421	0	33,554	687,975
St. Lucie Unit No. 2	598,395	0	30,660	629,056
TOTAL	<u>\$2,336,863</u>	<u>\$0</u>	<u>\$119,815</u>	<u>\$2,456,678</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$835,544	\$0	\$30,461	\$866,006
Turkey Point Unit No. 4	932,765	0	34,549	967,314
St. Lucie Unit No. 1	952,073	0	37,646	989,720
St. Lucie Unit No. 2	743,370	0	32,660	776,030
TOTAL	<u><u>\$3,463,752</u></u>	<u><u>\$0</u></u>	<u><u>\$135,317</u></u>	<u><u>\$3,599,069</u></u>
<u>December 31, 2021</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$334,873	\$0	\$8,011	\$342,884
Turkey Point Unit No. 4	358,800	0	8,585	367,385
St. Lucie Unit No. 1	301,745	0	7,218	308,963
St. Lucie Unit No. 2	146,974	0	3,527	150,501
TOTAL	<u>\$1,142,392</u>	<u>\$0</u>	<u>\$27,341</u>	<u>\$1,169,733</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$531,133	\$0	\$32,948	\$564,081
Turkey Point Unit No. 4	608,514	0	37,738	646,253
St. Lucie Unit No. 1	687,975	0	42,668	730,643
St. Lucie Unit No. 2	629,056	0	38,977	668,032
TOTAL	<u>\$2,456,678</u>	<u>\$0</u>	<u>\$152,331</u>	<u>\$2,609,009</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$866,006	\$0	\$40,959	\$906,965
Turkey Point Unit No. 4	967,314	0	46,324	1,013,638
St. Lucie Unit No. 1	989,720	0	49,886	1,039,606
St. Lucie Unit No. 2	776,030	0	42,504	818,533
TOTAL	<u><u>\$3,599,069</u></u>	<u><u>\$0</u></u>	<u><u>\$179,673</u></u>	<u><u>\$3,778,742</u></u>

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Reserve Balances (1)
December 31, 2020 through October 31, 2025
\$000

<u>December 31, 2022</u>	<u>Beginning Balance</u>	<u>Revenues Collected</u>	<u>Earnings to Reserve</u>	<u>Ending Balance</u>
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$342,884	\$0	\$11,486	\$354,370
Turkey Point Unit No. 4	367,385	0	12,310	379,695
St. Lucie Unit No. 1	308,963	0	10,350	319,312
St. Lucie Unit No. 2	150,501	0	5,057	155,559
TOTAL	<u>\$1,169,733</u>	<u>\$0</u>	<u>\$39,203</u>	<u>\$1,208,936</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$564,081	\$0	\$6,292	\$570,373
Turkey Point Unit No. 4	646,253	0	7,208	653,461
St. Lucie Unit No. 1	730,643	0	8,150	738,793
St. Lucie Unit No. 2	668,032	0	7,444	675,476
TOTAL	<u>\$2,609,009</u>	<u>\$0</u>	<u>\$29,094</u>	<u>\$2,638,103</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$906,965	\$0	\$17,779	\$924,743
Turkey Point Unit No. 4	1,013,638	0	19,517	1,033,155
St. Lucie Unit No. 1	1,039,606	0	18,500	1,058,106
St. Lucie Unit No. 2	818,533	0	12,501	831,035
TOTAL	<u><u>\$3,778,742</u></u>	<u><u>\$0</u></u>	<u><u>\$68,297</u></u>	<u><u>\$3,847,039</u></u>
<u>December 31, 2023</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$354,370	\$0	\$8,742	\$363,112
Turkey Point Unit No. 4	379,695	0	9,369	389,064
St. Lucie Unit No. 1	319,312	0	7,877	327,189
St. Lucie Unit No. 2	155,559	0	3,849	159,407
TOTAL	<u>\$1,208,936</u>	<u>\$0</u>	<u>\$29,837</u>	<u>\$1,238,772</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$570,373	\$0	\$26,233	\$596,606
Turkey Point Unit No. 4	653,461	0	30,044	683,505
St. Lucie Unit No. 1	738,793	0	33,966	772,760
St. Lucie Unit No. 2	675,476	0	31,032	706,508
TOTAL	<u>\$2,638,103</u>	<u>\$0</u>	<u>\$121,276</u>	<u>\$2,759,379</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$924,743	\$0	\$34,975	\$959,718
Turkey Point Unit No. 4	1,033,155	0	39,413	1,072,569
St. Lucie Unit No. 1	1,058,106	0	41,843	1,099,949
St. Lucie Unit No. 2	831,035	0	34,881	865,916
TOTAL	<u><u>\$3,847,039</u></u>	<u><u>\$0</u></u>	<u><u>\$151,112</u></u>	<u><u>\$3,998,151</u></u>

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Reserve Balances (1)
December 31, 2020 through October 31, 2025
\$000

<u>December 31, 2024</u>	<u>Beginning Balance</u>	<u>Revenues Collected</u>	<u>Earnings to Reserve</u>	<u>Ending Balance</u>
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$363,112	\$0	\$19,162	\$382,275
Turkey Point Unit No. 4	389,064	0	20,536	409,599
St. Lucie Unit No. 1	327,189	0	17,266	344,455
St. Lucie Unit No. 2	159,407	0	8,437	167,844
TOTAL	<u>\$1,238,772</u>	<u>\$0</u>	<u>\$65,401</u>	<u>\$1,304,173</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$596,606	\$0	\$40,807	\$637,412
Turkey Point Unit No. 4	683,505	0	46,732	730,237
St. Lucie Unit No. 1	772,760	0	52,831	825,590
St. Lucie Unit No. 2	706,508	0	48,273	754,781
TOTAL	<u>\$2,759,379</u>	<u>\$0</u>	<u>\$188,642</u>	<u>\$2,948,021</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$959,718	\$0	\$59,969	\$1,019,687
Turkey Point Unit No. 4	1,072,569	0	67,268	1,139,836
St. Lucie Unit No. 1	1,099,949	0	70,097	1,170,045
St. Lucie Unit No. 2	865,916	0	56,709	922,625
TOTAL	<u><u>\$3,998,151</u></u>	<u><u>\$0</u></u>	<u><u>\$254,043</u></u>	<u><u>\$4,252,194</u></u>
<u>October 31, 2025</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$382,275	\$0	\$16,367	\$398,642
Turkey Point Unit No. 4	409,599	0	17,541	427,140
St. Lucie Unit No. 1	344,455	0	14,747	359,202
St. Lucie Unit No. 2	167,844	0	7,206	175,050
TOTAL	<u>\$1,304,173</u>	<u>\$0</u>	<u>\$55,862</u>	<u>\$1,360,035</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$637,412	\$0	\$34,264	\$671,677
Turkey Point Unit No. 4	730,237	0	39,245	769,482
St. Lucie Unit No. 1	825,590	0	44,368	869,958
St. Lucie Unit No. 2	754,781	0	40,534	795,315
TOTAL	<u>\$2,948,021</u>	<u>\$0</u>	<u>\$158,411</u>	<u>\$3,106,431</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$1,019,687	\$0	\$50,632	\$1,070,319
Turkey Point Unit No. 4	1,139,836	0	56,785	1,196,622
St. Lucie Unit No. 1	1,170,045	0	59,115	1,229,161
St. Lucie Unit No. 2	922,625	0	47,740	970,365
TOTAL	<u><u>\$4,252,194</u></u>	<u><u>\$0</u></u>	<u><u>\$214,273</u></u>	<u><u>\$4,466,466</u></u>

Note 1: Balances exclude unrealized market gains/losses.

SECTION 4

SUPPORT SCHEDULE B Nuclear Decommissioning Fund Balance December 31, 2020 through October 31, 2025

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Fund Balances (1)
December 31, 2020 through October 31, 2025
\$000

	Beginning Balance	Contribution	Fund Earnings	Ending Balance
<u>December 31, 2020</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$205,363	\$0	\$3,429	\$208,792
Turkey Point Unit No. 4	220,037	0	3,674	223,711
St Lucie Unit No. 1	185,047	0	3,090	188,137
St Lucie Unit No. 2	90,133	0	1,505	91,638
Total	\$700,580	\$0	\$11,697	\$712,278
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$505,214	\$0	\$25,959	\$531,172
Turkey Point Unit No. 4	578,833	0	29,727	608,560
St Lucie Unit No. 1	654,421	0	33,605	688,026
St Lucie Unit No. 2	598,395	0	30,707	629,102
Total	\$2,336,863	\$0	\$119,998	\$2,456,860
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$710,577	\$0	\$29,388	\$739,965
Turkey Point Unit No. 4	798,870	0	33,401	832,271
St Lucie Unit No. 1	839,469	0	36,695	876,163
St Lucie Unit No. 2	688,528	0	32,212	720,740
Total	\$3,037,443	\$0	\$131,695	\$3,169,138
<u>December 31, 2021</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$208,792	\$0	\$6,061	\$214,853
Turkey Point Unit No. 4	223,711	0	6,494	230,205
St Lucie Unit No. 1	188,137	0	5,461	193,598
St Lucie Unit No. 2	91,638	0	2,660	94,298
Total	\$712,278	\$0	\$20,676	\$732,954
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$531,172	\$0	\$32,909	\$564,081
Turkey Point Unit No. 4	608,560	0	37,693	646,253
St Lucie Unit No. 1	688,026	0	42,617	730,643
St Lucie Unit No. 2	629,102	0	38,930	668,032
Total	\$2,456,860	\$0	\$152,148	\$2,609,009
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$739,965	\$0	\$38,969	\$778,934
Turkey Point Unit No. 4	832,271	0	44,187	876,458
St Lucie Unit No. 1	876,163	0	48,078	924,241
St Lucie Unit No. 2	720,740	0	41,590	762,330
Total	\$3,169,138	\$0	\$172,825	\$3,341,963

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Fund Balances (1)
December 31, 2020 through October 31, 2025
\$000

	Beginning Balance	Contribution	Fund Earnings	Ending Balance
<u>December 31, 2022</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$214,853	\$0	\$8,580	\$223,433
Turkey Point Unit No. 4	230,205	0	9,193	239,398
St Lucie Unit No. 1	193,598	0	7,731	201,329
St Lucie Unit No. 2	94,298	0	3,766	98,063
Total	\$732,954	\$0	\$29,270	\$762,224
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$564,081	\$0	\$6,292	\$570,373
Turkey Point Unit No. 4	646,253	0	7,208	653,461
St Lucie Unit No. 1	730,643	0	8,150	738,793
St Lucie Unit No. 2	668,032	0	7,444	675,476
Total	\$2,609,009	\$0	\$29,094	\$2,638,103
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$778,934	\$0	\$14,872	\$793,806
Turkey Point Unit No. 4	876,458	0	16,401	892,858
St Lucie Unit No. 1	924,241	0	15,881	940,123
St Lucie Unit No. 2	762,330	0	11,210	773,539
Total	\$3,341,963	\$0	\$58,364	\$3,400,327
<u>December 31, 2023</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$223,433	\$0	\$6,529	\$229,963
Turkey Point Unit No. 4	239,398	0	6,996	246,394
St Lucie Unit No. 1	201,329	0	5,883	207,213
St Lucie Unit No. 2	98,063	0	2,866	100,929
Total	\$762,224	\$0	\$22,275	\$784,498
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$570,373	\$0	\$26,233	\$596,606
Turkey Point Unit No. 4	653,461	0	30,044	683,505
St Lucie Unit No. 1	738,793	0	33,966	772,760
St Lucie Unit No. 2	675,476	0	31,032	706,508
Total	\$2,638,103	\$0	\$121,276	\$2,759,379
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$793,806	\$0	\$32,762	\$826,568
Turkey Point Unit No. 4	892,858	0	37,040	929,899
St Lucie Unit No. 1	940,123	0	39,850	979,973
St Lucie Unit No. 2	773,539	0	33,898	807,437
Total	\$3,400,327	\$0	\$143,550	\$3,543,877

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Fund Balances (1)
December 31, 2020 through October 31, 2025
\$000

	Beginning Balance	Contribution	Fund Earnings	Ending Balance
<u>December 31, 2024</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$229,963	\$0	\$14,312	\$244,275
Turkey Point Unit No. 4	246,394	0	15,335	261,728
St Lucie Unit No. 1	207,213	0	12,896	220,109
St Lucie Unit No. 2	100,929	0	6,282	107,211
Total	\$784,498	\$0	\$48,825	\$833,323
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$596,606	\$0	\$40,807	\$637,412
Turkey Point Unit No. 4	683,505	0	46,732	730,237
St Lucie Unit No. 1	772,760	0	52,831	825,590
St Lucie Unit No. 2	706,508	0	48,273	754,781
Total	\$2,759,379	\$0	\$188,642	\$2,948,021
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$826,568	\$0	\$55,119	\$881,687
Turkey Point Unit No. 4	929,899	0	62,067	991,965
St Lucie Unit No. 1	979,973	0	65,727	1,045,700
St Lucie Unit No. 2	807,437	0	54,554	861,992
Total	\$3,543,877	\$0	\$237,467	\$3,781,344
<u>October 31, 2025</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$244,275	\$0	\$12,225	\$256,499
Turkey Point Unit No. 4	261,728	0	13,098	274,827
St Lucie Unit No. 1	220,109	0	11,015	231,125
St Lucie Unit No. 2	107,211	0	5,365	112,576
Total	\$833,323	\$0	\$41,704	\$875,027
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$637,412	\$0	\$34,264	\$671,677
Turkey Point Unit No. 4	730,237	0	39,245	769,482
St Lucie Unit No. 1	825,590	0	44,368	869,958
St Lucie Unit No. 2	754,781	0	40,534	795,315
Total	\$2,948,021	\$0	\$158,411	\$3,106,431
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$881,687	\$0	\$46,489	\$928,176
Turkey Point Unit No. 4	991,965	0	52,343	1,044,309
St Lucie Unit No. 1	1,045,700	0	55,383	1,101,083
St Lucie Unit No. 2	861,992	0	45,899	907,891
Total	\$3,781,344	\$0	\$200,114	\$3,981,458

Note 1: Balances exclude unrealized market gains/losses.

SECTION 5

SUPPORT SCHEDULE C

Projected Fund and Reserve Balance at December 31, 2025

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Projected Fund and Reserve Balance at December 31, 2025 ^(a)
\$000

	TURKEY POINT UNIT 3	TURKEY POINT UNIT 4	ST. LUCIE UNIT 1	ST. LUCIE UNIT 2 (Note 1)	TOTALS
NON-QUALIFIED FUND					
Actual Fund Balance @ 10/31/2025	\$256,499	\$274,827	\$231,125	\$112,576	\$875,027
Add: Estimate Income Nov. & Dec. 2025 (after-tax)	1,222	1,310	1,102	537	4,170
Est/Actual Fund Balance @ 12/31/2025	<u>\$257,722</u>	<u>\$276,136</u>	<u>\$232,226</u>	<u>\$113,113</u>	<u>\$879,197</u>
QUALIFIED FUND					
Actual Fund Balance @ 10/31/2025	\$671,677	\$769,482	\$869,958	\$795,315	\$3,106,431
Add: Estimate Income Nov. & Dec. 2025 (after-tax)	3,426	3,924	4,437	4,053	15,841
Est/Actual Fund Balance @ 12/31/2025	<u>\$675,103</u>	<u>\$773,406</u>	<u>\$874,395</u>	<u>\$799,368</u>	<u>\$3,122,273</u>
TOTAL FUND					
Actual Fund Balance @ 10/31/2025	\$928,176	\$1,044,309	\$1,101,083	\$907,891	\$3,981,458
Add: Estimate Income Nov. & Dec. 2025 (after-tax)	4,649	5,234	5,538	4,590	20,011
Est/Actual Fund Balance @ 12/31/2025	<u><u>\$932,825</u></u>	<u><u>\$1,049,543</u></u>	<u><u>\$1,106,621</u></u>	<u><u>\$912,481</u></u>	<u><u>\$4,001,470</u></u>
NON-QUALIFIED RESERVE					
Actual Reserve Balance @ 10/31/2025	\$398,642	\$427,140	\$359,202	\$175,050	\$1,360,035
Add: Estimate Income Nov. & Dec. 2025	1,637	1,754	1,475	719	5,586
Est/Actual Reserve Balance@12/31/2025	<u>\$400,280</u>	<u>\$428,894</u>	<u>\$360,678</u>	<u>\$175,769</u>	<u>\$1,365,621</u>
QUALIFIED RESERVE					
Actual Reserve Balance @ 10/31/2025	\$671,677	\$769,482	\$869,958	\$795,315	\$3,106,431
Add: Estimate Income Nov. & Dec. 2025	3,426	3,924	4,437	4,053	15,841
Est/Actual Reserve Balance@12/31/2025	<u>\$675,103</u>	<u>\$773,406</u>	<u>\$874,395</u>	<u>\$799,368</u>	<u>\$3,122,273</u>
TOTAL RESERVE					
Actual Reserve Balance @ 10/31/2025	\$1,070,319	\$1,196,622	\$1,229,161	\$970,365	\$4,466,466
Add: Estimate Income Nov. & Dec. 2025	5,064	5,679	5,912	4,772	21,427
Est/Actual Reserve Balance@12/31/2025	<u><u>\$1,075,383</u></u>	<u><u>\$1,202,301</u></u>	<u><u>\$1,235,073</u></u>	<u><u>\$975,137</u></u>	<u><u>\$4,487,894</u></u>

^(a) Balances exclude unrealized market gains/losses.

Note 1: Amounts for St Lucie Common are included with Unit No. 2

SECTION 6

SUPPORT SCHEDULE D

Reconciliation of Projected Fund and Reserve Balance
at December 31, 2025

Florida Power & Light Company
2025 Decommissioning Study

Support Schedule: Reconciliation of Projected Fund and Reserve Balance at December 31, 2025 ^(a)
\$000

RECONCILIATION FUND/RESERVE

Projected 12/31/2025

	TURKEY POINT UNIT 3	TURKEY POINT UNIT 4	ST. LUCIE UNIT 1	ST. LUCIE UNIT 2 (Note 1)	TOTALS
NON-QUALIFIED					
Projected Fund Balance @12/31/2025	\$257,722	\$276,136	\$232,226	\$113,113	\$879,197
Remeasurement of Deferred Tax - Federal	41,402	44,359	37,305	18,166	141,232
Remeasurement of Deferred Tax - State	(272)	(290)	(243)	(118)	(923)
Deferred Tax @ 12/31/2025	101,451	108,703	91,414	44,549	346,117
Projected Reserve Balance @ 12/31/2025	<u>\$400,280</u>	<u>\$428,894</u>	<u>\$360,678</u>	<u>\$175,769</u>	<u>\$1,365,621</u>
QUALIFIED					
Projected Fund Balance @12/31/2025	\$675,103	\$773,406	\$874,395	\$799,368	\$3,122,273
Deferred Tax @ 12/31/2025	\$0	\$0	\$0	\$0	\$0
Projected Reserve Balance @ 12/31/2025	<u>\$675,103</u>	<u>\$773,406</u>	<u>\$874,395</u>	<u>\$799,368</u>	<u>\$3,122,273</u>
TOTAL					
Projected Fund Balance @12/31/2025	\$932,825	\$1,049,543	\$1,106,621	\$912,481	4,001,470
Re-measurement of Deferred Tax - Federal	41,402	44,359	37,305	18,166	141,232
Re-measurement of Deferred Tax - State	(272)	(290)	(243)	(118)	(923)
Deferred Tax @ 12/31/2025	101,451	108,703	91,414	44,549	346,117
Projected Reserve Balance @ 12/31/2025	<u>\$1,075,406</u>	<u>\$1,202,315</u>	<u>\$1,235,097</u>	<u>\$975,077</u>	<u>\$4,487,895</u>

DEFERRED TAXES

Projected balance @ 12/31/2025

NON-QUALIFIED FUND					
Balance @ 10/31/2025 (Fed & State)	\$101,036	\$108,259	\$91,040	\$44,367	\$344,701
Add: Tax on Earnings - November & December	415	445	374	182	1,416
Balance @ 12/31/2025 (Fed & State)	<u>\$101,451</u>	<u>\$108,703</u>	<u>\$91,414</u>	<u>\$44,549</u>	<u>\$346,117</u>

^(a) Balances exclude unrealized market gains/losses.

Note (1): Amounts for St Lucie Common are included with Unit No. 2

SECTION 7

SUPPORT SCHEDULE E End-of-Life Materials and Supplies Inventory Expense Accrual Calculation

Florida Power and Light Company
2025 Decommissioning Study
Support Schedule: End-of-Life Materials and Supplies Inventory

<u>Line Number</u>		<u>St. Lucie Unit 2</u>
1	Adjusted Ending Inventory Value @ End of License	\$ 55,988,014
2	Estimated Salvage	(1,913,304)
3	Inventory Subject to Write-off	<u>\$ 54,074,710</u>
4		
5	FPL's Ownership Share Net of Participants ⁽¹⁾	\$ 50,047,358
6		
7	Actual Reserve Balance Accrued as of 12/31/25	<u>13,716,628</u>
8		
9	Remaining Amount to be Recovered as of 12/31/25	<u>\$ 36,330,730</u>
10		
11		
12	Total Number of Months From:	
13	12/31/25 to End of License ⁽²⁾	447.5
14		
15	Note:	
16	⁽¹⁾ For PSL: The Participants' obligation is assumed to be treated the same as "Common Facility Cost"	
17	which is calculated at one-half their ownership percentage. $(0.5 * 14.89551\% = 7.447755\%)$	
18	Therefore, FPL's ownership share is 92.552245%.	
19	⁽²⁾ End of License for PSL unit 2 is 4/6/2063	

SECTION 8

SUPPORT SCHEDULE F End-of-Life Unamortized Nuclear Fuel Expense Accrual Calculation

Florida Power and Light Company
2025 Decommissioning Study
Support Schedule: End-of-Life Unamortized Nuclear Fuel

Support Schedule F
Page 1 of 1

<u>Line Number</u>		<u>St. Lucie Unit 1</u>	<u>St. Lucie Unit 2</u>
1	Estimated Cost of Unburned Fuel @ End of License		
2	FPL's Ownership Share Net of Participants	\$ 231,500,000	\$ 197,800,000
3			
4	Actual Reserve Balance at 12/31/2025	<u>47,437,854</u>	<u>39,144,037</u>
5			
6	Remaining Amount to be Recovered as of 12/31/2025	<u>\$ 184,062,146</u>	<u>\$ 158,655,963</u>
7			
8			
9	Total Number of Months From:		
10	12/31/25 to End of License:	362.5	447.5

SECTION 9

SUPPORT SCHEDULE G Inflation and Funding Analysis

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule : Inflation and Funding Analysis

Support Schedule G
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INFLATION FORECAST

The U.S. Economy
30 Year Outlook (November 2025)
GLOBAL INSIGHT

YEAR	PCJPGDP		PCJWSSNF		PCWPISOP2000		PCCSVTS		FPL (INTERNAL)		CPI	
	GDP	GDP	HRLY COM	HRLY COM	PPI INT M&S	INT / M&S	GDP Transport	Transport	Burial	Burial	CPI	CPI
		Compound (X)		Compound (X)		Compound (X)		Compound (X)		Compound (X)		MULTIPLIER
2025	2.5%	1.000	5.1%	1.000	3.1%	1.000	4.5%	1.000	2.0%	1.000	2.8%	1.000
2026	2.0%	1.020	6.5%	1.065	3.8%	1.038	0.4%	1.004	2.0%	1.020	2.6%	1.026
2027	1.7%	1.037	5.2%	1.120	2.8%	1.068	-1.7%	0.987	2.0%	1.041	2.5%	1.052
2028	1.9%	1.057	5.2%	1.178	1.3%	1.081	0.4%	0.991	2.0%	1.062	2.3%	1.076
2029	1.8%	1.076	4.5%	1.232	1.4%	1.096	2.1%	1.012	2.0%	1.084	2.2%	1.100
2030	1.8%	1.095	4.3%	1.285	1.7%	1.115	2.5%	1.037	2.0%	1.106	2.2%	1.124
2031	1.8%	1.115	4.3%	1.340	1.8%	1.135	2.5%	1.063	2.0%	1.129	2.3%	1.150
2032	1.8%	1.136	4.3%	1.398	2.1%	1.158	3.2%	1.096	2.0%	1.152	2.3%	1.176
2033	1.8%	1.157	4.5%	1.462	2.2%	1.183	3.9%	1.139	2.0%	1.175	2.3%	1.203
2034	1.9%	1.178	4.7%	1.530	2.2%	1.209	5.1%	1.198	2.0%	1.199	2.2%	1.230
2035	1.8%	1.199	4.8%	1.604	2.0%	1.234	5.8%	1.267	2.0%	1.224	2.3%	1.257
2036	1.7%	1.220	4.8%	1.681	2.3%	1.262	5.6%	1.338	2.0%	1.249	2.2%	1.285
2037	1.7%	1.240	4.8%	1.760	2.5%	1.293	5.2%	1.408	2.0%	1.274	2.1%	1.313
2038	1.6%	1.260	4.7%	1.844	2.6%	1.326	5.1%	1.479	2.0%	1.300	2.1%	1.341
2039	1.6%	1.281	4.7%	1.931	2.6%	1.361	5.0%	1.553	2.0%	1.327	2.1%	1.369
2040	1.7%	1.302	4.8%	2.023	2.7%	1.397	4.7%	1.625	2.0%	1.354	2.2%	1.398
2041	1.7%	1.325	4.8%	2.120	2.8%	1.436	4.6%	1.700	2.0%	1.381	2.2%	1.429
2042	1.7%	1.348	4.8%	2.222	2.7%	1.475	4.5%	1.777	2.0%	1.409	2.2%	1.460
2043	1.7%	1.371	4.7%	2.327	2.8%	1.516	4.4%	1.856	2.0%	1.438	2.2%	1.492
2044	1.8%	1.395	4.7%	2.437	2.7%	1.556	4.4%	1.937	2.0%	1.467	2.2%	1.525
2045	1.7%	1.419	4.7%	2.553	2.8%	1.600	4.2%	2.018	2.0%	1.497	2.2%	1.559
2046	1.7%	1.444	4.7%	2.674	3.0%	1.647	4.3%	2.104	2.0%	1.528	2.3%	1.595
2047	1.8%	1.469	4.7%	2.801	3.0%	1.697	4.3%	2.194	2.0%	1.559	2.3%	1.632
2048	1.8%	1.496	4.8%	2.934	3.0%	1.748	4.3%	2.289	2.0%	1.591	2.3%	1.669
2049	1.8%	1.522	4.7%	3.072	3.0%	1.800	4.4%	2.389	2.0%	1.623	2.3%	1.708
2050	1.7%	1.548	4.7%	3.216	3.1%	1.856	4.4%	2.494	2.0%	1.656	2.3%	1.748
2051	1.7%	1.574	4.7%	3.367	3.1%	1.913	4.4%	2.604	2.0%	1.690	2.3%	1.788
2052	1.7%	1.601	4.7%	3.526	3.1%	1.972	4.4%	2.718	2.0%	1.725	2.3%	1.830
2053	1.7%	1.628	4.7%	3.692	3.1%	2.033	4.4%	2.837	2.0%	1.760	2.3%	1.872
2054	1.7%	1.655	4.7%	3.865	3.1%	2.096	4.4%	2.962	2.0%	1.796	2.3%	1.915
2055	1.7%	1.683	4.7%	4.047	3.1%	2.161	4.4%	3.092	2.0%	1.832	2.3%	1.960
2056	1.7%	1.712	4.7%	4.237	3.1%	2.228	4.4%	3.228	2.0%	1.870	2.3%	2.005
2057	1.7%	1.741	4.7%	4.436	3.1%	2.296	4.4%	3.370	2.0%	1.908	2.3%	2.052
2058	1.7%	1.770	4.7%	4.645	3.1%	2.367	4.4%	3.518	2.0%	1.947	2.3%	2.099
2059	1.7%	1.800	4.7%	4.864	3.1%	2.441	4.4%	3.672	2.0%	1.986	2.3%	2.148
2060	1.7%	1.830	4.7%	5.092	3.1%	2.516	4.4%	3.834	2.0%	2.027	2.3%	2.197
2061	1.7%	1.861	4.7%	5.332	3.1%	2.594	4.4%	4.002	2.0%	2.068	2.3%	2.248
2062	1.7%	1.893	4.7%	5.582	3.1%	2.674	4.4%	4.178	2.0%	2.110	2.3%	2.300
2063	1.7%	1.925	4.7%	5.845	3.1%	2.757	4.4%	4.362	2.0%	2.153	2.3%	2.354
2064	1.7%	1.957	4.7%	6.120	3.1%	2.842	4.4%	4.553	2.0%	2.197	2.3%	2.408
2065	1.7%	1.990	4.7%	6.408	3.1%	2.929	4.4%	4.753	2.0%	2.242	2.3%	2.464
2066	1.7%	2.024	4.7%	6.709	3.1%	3.020	4.4%	4.962	2.0%	2.288	2.3%	2.521
2067	1.7%	2.058	4.7%	7.025	3.1%	3.113	4.4%	5.180	2.0%	2.335	2.3%	2.579
2068	1.7%	2.093	4.7%	7.355	3.1%	3.210	4.4%	5.408	2.0%	2.382	2.3%	2.639
2069	1.7%	2.128	4.7%	7.701	3.1%	3.309	4.4%	5.645	2.0%	2.431	2.3%	2.700
2070	1.7%	2.164	4.7%	8.063	3.1%	3.411	4.4%	5.893	2.0%	2.480	2.3%	2.763
2071	1.7%	2.201	4.7%	8.442	3.1%	3.516	4.4%	6.152	2.0%	2.531	2.3%	2.827
2072	1.7%	2.238	4.7%	8.839	3.1%	3.625	4.4%	6.422	2.0%	2.582	2.3%	2.892
2073	1.7%	2.276	4.7%	9.255	3.1%	3.737	4.4%	6.704	2.0%	2.635	2.3%	2.959
2074	1.7%	2.314	4.7%	9.690	3.1%	3.852	4.4%	6.999	2.0%	2.689	2.3%	3.027
2075	1.7%	2.353	4.7%	10.146	3.1%	3.971	4.4%	7.306	2.0%	2.744	2.3%	3.098
2076	1.7%	2.393	4.7%	10.623	3.1%	4.094	4.4%	7.627	2.0%	2.800	2.3%	3.169
2077	1.7%	2.434	4.7%	11.122	3.1%	4.221	4.4%	7.962	2.0%	2.857	2.3%	3.243
2078	1.7%	2.475	4.7%	11.646	3.1%	4.351	4.4%	8.312	2.0%	2.915	2.3%	3.318
2079	1.7%	2.517	4.7%	12.193	3.1%	4.486	4.4%	8.677	2.0%	2.974	2.3%	3.395
2080	1.7%	2.559	4.7%	12.767	3.1%	4.624	4.4%	9.058	2.0%	3.035	2.3%	3.473
2081	1.7%	2.602	4.7%	13.367	3.1%	4.767	4.4%	9.456	2.0%	3.097	2.3%	3.554
2082	1.7%	2.646	4.7%	13.996	3.1%	4.914	4.4%	9.872	2.0%	3.160	2.3%	3.636
2083	1.7%	2.691	4.7%	14.654	3.1%	5.066	4.4%	10.305	2.0%	3.225	2.3%	3.720
2084	1.7%	2.737	4.7%	15.343	3.1%	5.223	4.4%	10.758	2.0%	3.290	2.3%	3.806

2.29% = AVERAGE COMPOUND CPI INFLATION MULTILPLIER 2025-2084

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule : Inflation and Funding Analysis

Support Schedule G
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GENERAL ASSUMPTIONS

JURISDICTIONAL FACTOR = 95.8901%
FPL'S SHARE OF ST. LUCIE 2 COST (NET OF PARTICIPANTS) 86.63059%
CORPORATE TAX RATE 25.345%

	ANNUAL	MONTHLY
EARNINGS RATE QUALIFIED FUND	4.500%	0.367481%
EARNINGS RATE NON-QUALIFIED FUND	4.500%	0.367481%

Adjusted QUALIFIED FUNDING % (at 12/31/25)	TP3 60.197%	TP4 62.609%	SL1 67.886%	SL2 78.611%
FUND BALANCES (\$000's)				
A. QUALIFIED FUND BALANCE 10/31/25	671,677	769,482	869,958	795,315
B. CONTRIBUTIONS - Nov. & Dec. 2025	-	-	-	-
C. EARNINGS - Nov. & Dec. 2025	3,426	3,924	4,437	4,053
D. QUALIFIED FUND BALANCE 12/31/25	675,103	773,406	874,395	799,368
E. JURISDICTIONAL FACTOR	95.8901%	95.8901%	95.8901%	95.8901%
F. JURIS. QUAL. FUND BAL. 12/31/25	647,357	741,620	838,458	766,515
A. NON-QUALIFIED FUND BALANCE 10/31/25	256,499	274,827	231,125	112,576
B. CONTRIBUTIONS - Nov. & Dec. 2025	-	-	-	-
C. EARNINGS - Nov. & Dec. 2025	1,222	1,310	1,102	537
D. NON-QUALIFIED FUND BALANCE 12/31/25	257,721	276,137	232,227	113,113
E. JURISDICTIONAL FACTOR	95.8901%	95.8901%	95.8901%	95.8901%
F. JURIS. NON-QUAL. FUND BAL. 12/31/25	247,129	264,788	222,683	108,464

Florida Power & Light Company
2025 Decommissioning Study
St. Lucie Nuclear Units
Support Schedule : Inflation and Funding Analysis

Support Schedule G
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St. Lucie Nuclear Plant, Unit 1 Integrated DECON - Total Decommissioning Cost (thousands, 2025 dollars)							St. Lucie Nuclear Plant, Unit 1 Integrated DECON - Total Decommissioning Cost (thousands, Future dollars)							Average
Equipment &							Equipment &							Inflation Rate
Year	Labor	Materials	Transportation	LLRW Disposal	Other	Yearly Totals	Year	Labor	Materials	Transportation	Burial	Other	Yearly Totals	
2056	17,466	4,071		-	1,629	23,166	2056	74,007	9,068	-	-	2,788	85,863	4.32%
2057	31,923	46,018		-	2,145	80,086	2057	141,624	105,680	-	-	3,734	251,037	3.63%
2058	17,876	1,765		-	1,720	21,361	2058	83,035	4,178	-	-	3,045	90,258	4.46%
2059	18,038	1,386		-	5,445	24,870	2059	87,730	3,383	-	-	9,802	100,914	4.21%
2060	16,683	1,206		-	6,190	24,080	2060	84,955	3,035	-	-	11,331	99,321	4.13%
2061	16,134	1,172		-	6,190	23,496	2061	86,022	3,040	-	-	11,523	100,585	4.12%
2062	16,084	1,169		-	6,190	23,443	2062	89,789	3,126	-	-	11,717	104,632	4.13%
2063	29,584	1,752	5,088		9,863	46,287	2063	172,918	4,829	22,193	-	18,985	218,924	4.17%
2064	30,785	3,245	5,088		8,956	48,074	2064	188,403	9,220	23,168	-	17,529	238,320	4.19%
2065	43,818	34,852	2,361	8,618	10,980	100,629	2065	280,770	102,099	11,221	19,323	21,855	435,269	3.73%
2066	53,217	27,359	2,952	10,778	5,972	100,278	2066	357,034	82,624	14,649	24,659	12,088	491,055	3.95%
2067	51,310	22,026	17,197	62,783	4,069	157,385	2067	360,431	68,573	89,081	146,570	8,375	673,031	3.52%
2068	30,508	13,917	27,398	100,023	3,137	174,984	2068	224,386	44,667	148,156	238,272	6,566	662,047	3.14%
2069	18,152	4,279	8,120	29,645	2,832	63,029	2069	139,784	14,157	45,840	72,061	6,028	277,870	3.43%
2070	7,191	1,226	-	-	2,418	10,835	2070	57,980	4,181	-	-	5,233	67,395	4.15%
2071	3,470	115	-	-	792	4,377	2071	29,298	403	-	-	1,743	31,444	4.38%
2072	3,470	115	-	-	792	4,377	2072	30,676	416	-	-	1,773	32,864	4.38%
2073	3,470	115	-	-	792	4,377	2073	32,119	428	-	-	1,803	34,349	4.39%
2074	3,470	115	-	-	792	4,377	2074	33,629	442	-	-	1,833	35,904	4.39%
2075	3,470	115	-	-	792	4,377	2075	35,210	455	-	-	1,864	37,530	4.39%
2076	3,470	115	-	-	792	4,377	2076	36,866	469	-	-	1,895	39,231	4.39%
2077	3,470	115	-	-	792	4,377	2077	38,600	484	-	-	1,927	41,011	4.40%
2078	3,470	115	-	-	792	4,377	2078	40,415	499	-	-	1,960	42,874	4.40%
2079	3,470	115		-	792	4,377	2079	42,316	514	-	-	1,993	44,823	4.40%
2080	3,470	115		-	792	4,377	2080	44,306	530	-	-	2,027	46,863	4.40%
2081	645	-	2,709	20,993	161	24,509	2081	8,624	-	12,914	100,075	769	116,833	2.83%
2082	1,828	-		-	202	2,029	2082	25,582	-	-	-	991	9,974	2.83%
2083	5,006	1,681		-	59	6,747	2083	73,362	8,518	-	-	299	34,180	2.84%
Total	440,953	168,270	70,914	232,841	86,079	999,057	Total	2,899,873	475,021	367,221	600,961	171,476	4,444,405	3.99%

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

Florida Power & Light Company
2025 Decommissioning Study
St. Lucie Nuclear Units
Support Schedule : Inflation and Funding Analysis

Support Schedule G
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St. Lucie Nuclear Plant, Unit 2 DECON - Total Decommissioning Cost (thousands, 2025 dollars)							St. Lucie Nuclear Plant, Unit 2 DECON - Total Decommissioning Cost (thousands, Future dollars)							Average
Equipment & Year Labor Materials Transportation LLRW Disposal Other Yearly Totals							Equipment & Year Labor Materials Transportation Burial Other Yearly Totals							Inflation Rate
2063	51,609	1,841	5,088		5,427	63,966	2063	301,655	5,076	22,193	-	10,446	339,370	4.49%
2064	74,972	37,462	5,088		9,401	126,924	2064	458,824	106,456	23,168	-	18,401	606,849	4.09%
2065	75,851	34,037	2,281	8,326	11,771	132,266	2065	486,032	99,711	10,840	18,669	23,429	638,681	4.01%
2066	57,774	27,020	2,888	10,542	6,671	104,895	2066	387,611	81,599	14,329	24,120	13,502	521,161	3.99%
2067	52,339	22,073	16,768	61,215	4,200	156,595	2067	367,658	68,721	86,856	142,910	8,645	674,790	3.54%
2068	29,470	14,078	26,671	97,368	3,043	170,630	2068	216,750	45,184	144,222	231,946	6,369	644,472	3.14%
2069	17,433	4,681	7,903	28,850	2,721	61,588	2069	134,246	15,490	44,610	70,127	5,791	270,265	3.42%
2070	6,166	458	-	-	2,276	8,900	2070	49,713	1,563	-	-	4,926	56,202	4.18%
2071	3,193	66	-	-	775	4,034	2071	26,958	232	-	-	1,706	28,897	4.37%
2072	3,193	66	-	-	775	4,034	2072	28,226	239	-	-	1,735	30,200	4.38%
2073	3,193	66	-	-	775	4,034	2073	29,554	247	-	-	1,764	31,564	4.38%
2074	3,193	66	-	-	775	4,034	2074	30,943	254	-	-	1,794	32,992	4.38%
2075	3,193	66	-	-	775	4,034	2075	32,399	262	-	-	1,824	34,485	4.38%
2076	3,193	66	-	-	775	4,034	2076	33,922	270	-	-	1,855	36,048	4.39%
2077	3,193	66	-	-	775	4,034	2077	35,518	279	-	-	1,886	37,683	4.39%
2078	3,193	66	-	-	775	4,034	2078	37,188	287	-	-	1,918	39,393	4.39%
2079	3,193	66			775	4,034	2079	38,937	296	-	-	1,951	41,184	4.40%
2080	3,193	66			775	4,034	2080	40,768	305	-	-	1,984	43,057	4.40%
2081	3,193	66			775	4,034	2081	42,685	882	-	-	10,361	53,929	4.74%
2082	5,635	66	2,709	20,993	1,091	30,493	2082	78,861	924	37,913	293,812	15,262	426,773	4.74%
2083	3,915	1,121		-	59	5,095	2083	57,373	16,425	-	-	864	74,663	4.74%
Total	410,291	143,565	69,395	227,294	55,185	905,730	Total	2,915,822	444,704	384,132	781,584	136,414	4,662,656	4.24%

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

St. Lucie Nuclear Plant, Unit 1 Integrated DECON Costs Recovered for Spent Fuel Management (thousands, 2025 dollars)							St. Lucie Nuclear Plant, Unit 1 Integrated DECON Costs Recovered for Spent Fuel Management (thousands, Future dollars)						
Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals	Year	Labor	Equipment & Materials	Transport	Burial	Other	Yearly Totals
2056	-	-	-	-	-	-	2056	-	-	-	-	-	-
2057	9,139	3,416	-	-	426	12,981	2057	40,545	7,845	-	-	742	49,132
2058	21,325	45,530	-	-	702	67,556	2058	99,058	107,788	-	-	1,242	208,088
2059	7,441	1,399	-	-	277	9,116	2059	36,187	3,415	-	-	498	40,100
2060	9,315	1,089	-	-	2,155	12,559	2060	47,432	2,741	-	-	3,946	54,118
2061	9,219	948	-	-	2,531	12,698	2061	49,151	2,460	-	-	4,712	56,323
2062	9,061	923	-	-	2,531	12,515	2062	50,580	2,468	-	-	4,791	57,839
2063	9,046	921	-	-	2,531	12,498	2063	52,875	2,537	-	-	4,872	60,285
2064	11,649	1,007	-	-	3,125	15,781	2064	71,291	2,860	-	-	6,117	80,268
2065	5,288	408	-	-	1,069	6,764	2065	33,885	1,194	-	-	2,127	37,206
2066	5,022	365	-	-	1,069	6,456	2066	33,695	1,102	-	-	2,163	36,960
2067	3,470	115	-	-	792	4,377	2067	24,378	357	-	-	1,630	26,366
2068	3,470	115	-	-	792	4,377	2068	25,525	368	-	-	1,658	27,551
2069	3,470	115	-	-	792	4,377	2069	26,725	379	-	-	1,686	28,790
2070	3,470	115	-	-	792	4,377	2070	27,982	391	-	-	1,714	30,087
2071	-	-	-	-	-	-	2071	-	-	-	-	-	-
2072	-	-	-	-	-	-	2072	-	-	-	-	-	-
2073	-	-	-	-	-	-	2073	-	-	-	-	-	-
2074	-	-	-	-	-	-	2074	-	-	-	-	-	-
2075	-	-	-	-	-	-	2075	-	-	-	-	-	-
2076	-	-	-	-	-	-	2076	-	-	-	-	-	-
2077	-	-	-	-	-	-	2077	-	-	-	-	-	-
2078	-	-	-	-	-	-	2078	-	-	-	-	-	-
2079	-	-	-	-	-	-	2079	-	-	-	-	-	-
2080	-	-	-	-	-	-	2080	-	-	-	-	-	-
2081	-	-	-	-	-	-	2081	-	-	-	-	-	-
2082	-	-	-	-	-	-	2082	-	-	-	-	-	-
2083	-	-	-	-	-	-	2083	-	-	-	-	-	-
Total	110,386	56,464	-	-	19,584	186,433	Total	619,310	135,906	-	-	37,897	793,113

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

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St. Lucie Nuclear Plant, Unit 2 DECON Costs Recovered for Spent Fuel Management (thousands, 2025 dollars)							St. Lucie Nuclear Plant, Unit 2 DECON Costs Recovered for Spent Fuel Management (thousands, Future dollars)						
Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals	Year	Labor	Equipment & Materials	Transport	Burial	Other	Yearly Totals
2056	-	-	-	-	-	-	2056	-	-	-	-	-	-
2057	-	-	-	-	-	-	2057	-	-	-	-	-	-
2058	-	-	-	-	-	-	2058	-	-	-	-	-	-
2059	-	-	-	-	-	-	2059	-	-	-	-	-	-
2060	-	-	-	-	-	-	2060	-	-	-	-	-	-
2061	-	-	-	-	-	-	2061	-	-	-	-	-	-
2062	-	-	-	-	-	-	2062	-	-	-	-	-	-
2063	-	-	-	-	-	-	2063	-	-	-	-	-	-
2064	21,675	1,274	-	-	376	23,324	2064	132,647	3,619	-	-	735	137,001
2065	32,685	34,348	-	-	934	67,967	2065	209,434	100,623	-	-	1,859	311,915
2066	20,224	672	-	-	1,256	22,152	2066	135,685	2,028	-	-	2,542	140,256
2067	3,193	66	-	-	775	4,034	2067	22,432	205	-	-	1,595	24,233
2068	3,193	66	-	-	775	4,034	2068	23,487	212	-	-	1,622	25,321
2069	3,193	66	-	-	775	4,034	2069	24,591	218	-	-	1,650	26,459
2070	3,193	66	-	-	775	4,034	2070	25,748	225	-	-	1,678	27,650
2071	-	-	-	-	-	-	2071	-	-	-	-	-	-
2072	-	-	-	-	-	-	2072	-	-	-	-	-	-
2073	-	-	-	-	-	-	2073	-	-	-	-	-	-
2074	-	-	-	-	-	-	2074	-	-	-	-	-	-
2075	-	-	-	-	-	-	2075	-	-	-	-	-	-
2076	-	-	-	-	-	-	2076	-	-	-	-	-	-
2077	-	-	-	-	-	-	2077	-	-	-	-	-	-
87,357 36,557 - - 5,666 129,580							Total	574,023	107,131	-	-	11,681	692,834

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

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ST. LUCIE UNIT 1

	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNINGS RATE QUALIFIED FUND	4.500%	0.367481%
EARNINGS RATE NON-QUALIFIED FUND	4.500%	0.367481%

CORPORATE TAX RATE 25.345%

FPL'S SHARE OF COST (NET OF PARTICIPANTS) 100.000%
JURISDICTIONAL FACTOR 95.8901%

Adjusted QUALIFIED % 67.886%

LICENSE ENDS 3/1/2056

YEAR	SPENDING CURVE	ESTIMATED COST IN (\$2025)	ESTIMATED COST IN NOMINAL \$	ESTIMATED DOE RECOVERY NOMINAL \$	NET NOMINAL \$	JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @ 4.5% QUALIFIED AMOUNT	PV @ 4.5% NON-QUAL AMOUNT
2056	2.3187%	\$ 23,165,531	\$ 85,863,350	\$ -	\$ 85,863,350	\$ 82,334,452	\$ 55,893,586	\$ 19,739,429	\$ 6,701,438	\$ 14,280,946	\$ 5,043,472
2057	8.0161%	\$ 80,085,616	\$ 251,037,165	\$ 49,131,824	\$ 201,905,340	\$ 193,607,233	\$ 131,432,252	\$ 46,416,732	\$ 15,758,249	\$ 32,135,174	\$ 11,348,887
2058	2.1381%	\$ 21,360,690	\$ 90,258,090	\$ 208,088,418	\$ (117,830,328)	\$ (112,987,619)	\$ (76,702,802)	\$ (27,088,431)	\$ (9,196,387)	\$ (17,946,247)	\$ (6,337,913)
2059	2.4893%	\$ 24,869,503	\$ 100,914,472	\$ 40,100,036	\$ 60,814,436	\$ 58,315,024	\$ 39,587,751	\$ 13,980,846	\$ 4,746,427	\$ 8,863,535	\$ 3,130,254
2060	2.4102%	\$ 24,079,598	\$ 99,321,140	\$ 54,118,188	\$ 45,202,952	\$ 43,345,156	\$ 29,425,303	\$ 10,391,866	\$ 3,527,987	\$ 6,304,502	\$ 2,226,504
2061	2.3519%	\$ 23,496,360	\$ 100,585,068	\$ 56,322,568	\$ 44,262,500	\$ 42,443,355	\$ 28,813,106	\$ 10,175,662	\$ 3,454,587	\$ 5,907,499	\$ 2,086,298
2062	2.3465%	\$ 23,443,338	\$ 104,632,123	\$ 57,839,153	\$ 46,792,970	\$ 44,869,826	\$ 30,460,341	\$ 10,757,401	\$ 3,652,084	\$ 5,976,295	\$ 2,110,594
2063	4.6330%	\$ 46,286,742	\$ 218,924,044	\$ 60,284,653	\$ 158,639,390	\$ 152,119,470	\$ 103,267,859	\$ 36,470,170	\$ 12,381,441	\$ 19,388,586	\$ 6,847,290
2064	4.8119%	\$ 48,073,806	\$ 238,320,169	\$ 80,268,153	\$ 158,052,016	\$ 151,556,236	\$ 102,885,502	\$ 36,335,136	\$ 12,335,598	\$ 18,484,974	\$ 6,528,170
2065	10.0724%	\$ 100,628,785	\$ 435,268,922	\$ 37,206,127	\$ 398,062,795	\$ 381,702,812	\$ 259,122,861	\$ 91,512,063	\$ 31,067,889	\$ 44,550,657	\$ 15,733,550
2066	10.0373%	\$ 100,278,454	\$ 491,055,153	\$ 36,959,639	\$ 454,095,513	\$ 435,432,642	\$ 295,597,906	\$ 104,393,622	\$ 35,441,114	\$ 48,633,267	\$ 17,175,368
2067	15.7534%	\$ 157,385,006	\$ 673,031,434	\$ 26,365,548	\$ 646,665,886	\$ 620,088,565	\$ 420,953,469	\$ 148,664,306	\$ 50,470,790	\$ 66,275,024	\$ 23,405,747
2068	17.5149%	\$ 174,983,990	\$ 662,047,317	\$ 27,550,584	\$ 634,496,733	\$ 608,419,552	\$ 413,031,840	\$ 145,866,696	\$ 49,521,016	\$ 62,227,599	\$ 21,976,355
2069	6.3088%	\$ 63,028,889	\$ 277,870,419	\$ 28,790,341	\$ 249,080,077	\$ 238,843,135	\$ 162,141,107	\$ 57,261,899	\$ 19,440,129	\$ 23,376,331	\$ 8,255,606
2070	1.0845%	\$ 10,834,696	\$ 67,394,686	\$ 30,087,375	\$ 37,307,312	\$ 35,774,018	\$ 24,285,559	\$ 8,576,710	\$ 2,911,750	\$ 3,350,542	\$ 1,183,280
2071	0.4381%	\$ 4,377,106	\$ 31,444,357	\$ -	\$ 31,444,357	\$ 30,152,025	\$ 20,469,011	\$ 7,228,854	\$ 2,454,160	\$ 2,702,387	\$ 954,377
2072	0.4381%	\$ 4,377,106	\$ 32,864,088	\$ -	\$ 32,864,088	\$ 31,513,407	\$ 21,393,199	\$ 7,555,241	\$ 2,564,967	\$ 2,702,776	\$ 954,515
2073	0.4381%	\$ 4,377,106	\$ 34,349,497	\$ -	\$ 34,349,497	\$ 32,937,767	\$ 22,360,140	\$ 7,896,727	\$ 2,680,899	\$ 2,703,290	\$ 954,696
2074	0.4381%	\$ 4,377,106	\$ 35,903,652	\$ -	\$ 35,903,652	\$ 34,428,047	\$ 23,371,832	\$ 8,254,017	\$ 2,802,198	\$ 2,703,924	\$ 954,920
2075	0.4381%	\$ 4,377,106	\$ 37,529,764	\$ -	\$ 37,529,764	\$ 35,987,328	\$ 24,430,366	\$ 8,627,850	\$ 2,929,112	\$ 2,704,677	\$ 955,186
2076	0.4381%	\$ 4,377,106	\$ 39,231,195	\$ -	\$ 39,231,195	\$ 37,618,832	\$ 25,537,929	\$ 9,018,998	\$ 3,061,905	\$ 2,705,546	\$ 955,493
2077	0.4381%	\$ 4,377,106	\$ 41,011,464	\$ -	\$ 41,011,464	\$ 39,325,934	\$ 26,696,813	\$ 9,428,270	\$ 3,200,851	\$ 2,706,527	\$ 955,839
2078	0.4381%	\$ 4,377,106	\$ 42,874,257	\$ -	\$ 42,874,257	\$ 41,112,168	\$ 27,909,416	\$ 9,856,514	\$ 3,346,237	\$ 2,707,618	\$ 956,225
2079	0.4381%	\$ 4,377,106	\$ 44,823,430	\$ -	\$ 44,823,430	\$ 42,981,232	\$ 29,178,249	\$ 10,304,617	\$ 3,498,366	\$ 2,708,816	\$ 956,648
2080	0.4381%	\$ 4,377,106	\$ 46,863,022	\$ -	\$ 46,863,022	\$ 44,936,998	\$ 30,505,941	\$ 10,773,506	\$ 3,657,551	\$ 2,710,120	\$ 957,108
2081	2.4532%	\$ 24,508,548	\$ 116,833,053	\$ -	\$ 116,833,053	\$ 112,031,331	\$ 76,053,616	\$ 26,859,163	\$ 9,118,552	\$ 6,465,582	\$ 2,283,391
2082	0.2031%	\$ 2,029,494	\$ 9,973,601	\$ -	\$ 9,973,601	\$ 9,563,696	\$ 6,492,413	\$ 2,292,866	\$ 778,417	\$ 528,175	\$ 186,531
2083	0.6753%	\$ 6,746,710	\$ 34,180,014	\$ -	\$ 34,180,014	\$ 32,775,249	\$ 22,249,814	\$ 7,857,764	\$ 2,667,672	\$ 1,732,134	\$ 611,722
100.0000%	\$	\$ 999,056,817	\$ 4,444,404,942	\$ 793,112,607	\$ 3,651,292,335	\$ 3,501,227,871	\$ 2,376,844,376	\$ 839,408,498	\$ 284,974,997	\$ 377,590,253	\$ 133,350,113

	QUALIFIED	NON-QUAL	TOTAL
NPV @ 12/31/25	\$ 377,590,253	\$ 133,350,113	\$ 510,940,366
LESS BALANCE @ 12/31/25	838,458,240	222,682,703	1,061,140,942
PV OF FUNDING REQUIREMENTS	\$ (460,867,987)	\$ (89,332,589)	\$ (550,200,576)

MONTHLY FUNDING REQUIREMENT	-	-	-
ANNUAL FUNDING REQUIREMENT	-	-	-
MONTHLY ACCRUAL	-	-	-
ANNUAL ACCRUAL	-	-	-

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ST. LUCIE UNIT 2

	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNINGS RATE QUALIFIED FUND	4.500%	0.367481%
EARNINGS RATE NON-QUALIFIED FUND	4.500%	0.367481%

CORPORATE TAX RATE 25.345%

FPL'S SHARE OF COST (NET OF PARTICIPANTS) 86.631%
JURISDICTIONAL FACTOR 95.8901%

Adjusted QUALIFIED % 78.611%

LICENSE ENDS 4/6/2063

YEAR	SPENDING CURVE	ESTIMATED COST IN (\$2025)	ESTIMATED COST IN NOMINAL \$	ESTIMATED DOE RECOVERY NOMINAL \$	NET NOMINAL \$	JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @ 4.5% QUALIFIED AMOUNT	PV @ 4.5% NON-QUAL AMOUNT
2063	7.0623%	\$ 63,965,632	\$ 339,370,210	\$ -	\$ 339,370,210	\$ 281,915,375	\$ 221,615,626	\$ 45,016,777	\$ 15,282,971	\$ 41,608,431	\$ 8,451,920
2064	14.0134%	\$ 126,923,975	\$ 606,848,756	\$ 137,000,875	\$ 469,847,881	\$ 390,303,384	\$ 306,820,190	\$ 62,324,378	\$ 21,158,815	\$ 55,125,001	\$ 11,197,540
2065	14.6032%	\$ 132,265,871	\$ 638,681,221	\$ 311,914,820	\$ 326,766,401	\$ 271,445,370	\$ 213,385,083	\$ 43,344,907	\$ 14,715,380	\$ 36,687,020	\$ 7,452,234
2066	11.5812%	\$ 104,894,561	\$ 521,160,761	\$ 140,255,550	\$ 380,905,211	\$ 316,418,566	\$ 248,738,824	\$ 50,526,312	\$ 17,153,431	\$ 40,923,773	\$ 8,312,845
2067	17.2894%	\$ 156,594,797	\$ 674,789,779	\$ 24,232,592	\$ 650,557,186	\$ 540,418,892	\$ 424,827,029	\$ 86,295,105	\$ 29,296,758	\$ 66,884,878	\$ 13,586,324
2068	18.8389%	\$ 170,629,841	\$ 644,472,427	\$ 25,320,808	\$ 619,151,619	\$ 514,330,236	\$ 404,318,557	\$ 82,129,220	\$ 27,882,460	\$ 60,914,851	\$ 12,373,632
2069	6.7998%	\$ 61,587,814	\$ 270,264,738	\$ 26,459,286	\$ 243,805,452	\$ 202,529,577	\$ 159,209,902	\$ 32,340,304	\$ 10,979,372	\$ 22,953,731	\$ 4,662,591
2070	0.9826%	\$ 8,899,748	\$ 56,201,906	\$ 27,650,373	\$ 28,551,534	\$ 23,717,805	\$ 18,644,730	\$ 3,787,304	\$ 1,285,771	\$ 2,572,308	\$ 522,513
2071	0.4454%	\$ 4,034,457	\$ 28,896,524	\$ -	\$ 28,896,524	\$ 24,004,389	\$ 18,870,016	\$ 3,833,066	\$ 1,301,307	\$ 2,491,282	\$ 506,054
2072	0.4454%	\$ 4,034,457	\$ 30,200,313	\$ -	\$ 30,200,313	\$ 25,087,448	\$ 19,721,416	\$ 4,006,011	\$ 1,360,021	\$ 2,491,566	\$ 506,112
2073	0.4454%	\$ 4,034,457	\$ 31,564,432	\$ -	\$ 31,564,432	\$ 26,220,624	\$ 20,612,214	\$ 4,186,959	\$ 1,421,452	\$ 2,491,969	\$ 506,194
2074	0.4454%	\$ 4,034,457	\$ 32,991,700	\$ -	\$ 32,991,700	\$ 27,406,258	\$ 21,544,249	\$ 4,376,283	\$ 1,485,726	\$ 2,492,488	\$ 506,299
2075	0.4454%	\$ 4,034,457	\$ 34,485,069	\$ -	\$ 34,485,069	\$ 28,646,801	\$ 22,519,449	\$ 4,574,375	\$ 1,552,978	\$ 2,493,120	\$ 506,427
2076	0.4454%	\$ 4,034,457	\$ 36,047,625	\$ -	\$ 36,047,625	\$ 29,944,820	\$ 23,539,830	\$ 4,781,645	\$ 1,623,345	\$ 2,493,863	\$ 506,578
2077	0.4454%	\$ 4,034,457	\$ 37,682,608	\$ -	\$ 37,682,608	\$ 31,303,003	\$ 24,607,507	\$ 4,998,522	\$ 1,696,973	\$ 2,494,713	\$ 506,751
2078	0.4454%	\$ 4,034,457	\$ 39,393,401	\$ -	\$ 39,393,401	\$ 32,724,161	\$ 25,724,689	\$ 5,225,456	\$ 1,774,016	\$ 2,495,668	\$ 506,945
2079	0.4454%	\$ 4,034,457	\$ 41,183,548	\$ -	\$ 41,183,548	\$ 34,211,239	\$ 26,893,692	\$ 5,462,915	\$ 1,854,632	\$ 2,496,725	\$ 507,160
2080	0.4454%	\$ 4,034,457	\$ 43,056,763	\$ -	\$ 43,056,763	\$ 35,767,321	\$ 28,116,939	\$ 5,711,393	\$ 1,938,989	\$ 2,497,883	\$ 507,395
2081	0.4454%	\$ 4,034,457	\$ 53,928,528	\$ -	\$ 53,928,528	\$ 44,798,515	\$ 35,216,422	\$ 7,153,511	\$ 2,428,581	\$ 2,993,870	\$ 608,145
2082	3.3667%	\$ 30,493,344	\$ 426,772,752	\$ -	\$ 426,772,752	\$ 354,520,805	\$ 278,691,257	\$ 56,610,549	\$ 19,218,999	\$ 22,672,259	\$ 4,605,415
2083	0.5625%	\$ 5,095,148	\$ 74,663,210	\$ -	\$ 74,663,210	\$ 62,022,847	\$ 48,756,589	\$ 9,903,925	\$ 3,362,333	\$ 3,795,670	\$ 771,014
100.0000%	\$	\$ 905,729,759	\$ 4,662,656,272	\$ 692,834,304	\$ 3,969,821,968	\$ 3,297,737,436	\$ 2,592,374,210	\$ 526,588,917	\$ 178,774,310	\$ 382,071,070	\$ 77,610,088

	QUALIFIED	NON-QUAL	TOTAL
NPV @ 12/31/25	\$ 382,071,070	\$ 77,610,088	\$ 459,681,158
LESS BALANCE @ 12/31/25	766,514,775	108,464,169	874,978,943
PV OF FUNDING REQUIREMENTS	\$ (384,443,704)	\$ (30,854,081)	\$ (415,297,785)

MONTHLY FUNDING REQUIREMENT	-	-	-
ANNUAL FUNDING REQUIREMENT	-	-	-
MONTHLY ACCRUAL	-	-	-
ANNUAL ACCRUAL	-	-	-

SECTION 10

SUPPORT SCHEDULE H St Lucie Unit No 2 - FPL Ownership Percentage Cost Allocation Analysis

Florida Power & Light Company
2025 Decommissioning Study
St. Lucie Unit No. 2 - FPL Ownership Percentage
Support Schedule : Cost Allocation Analysis
(thousands 2025 Dollars)

			<u>2025</u>
			<u>Base Case</u>
1	St. Lucie Unit No. 2		\$905,730
2	St. Lucie Unit No. 2 Common Facilities (Note 1)		<u>185,591</u>
3	St. Lucie Unit No. 2 Excluding Costs of Common Facilities	(L.1 - L.2)	\$720,139
4	St. Lucie Unit No. 2 Share of Costs of Common Facilities (Note 2)		<u>92,796</u>
5	Total costs Upon Which Allocation to Participants is Computed	(L. 3 + L. 4)	\$812,935
6	Participants Share of Total Costs (Note 3)		14.89551%
7	Total Costs Allocated to Participants	(L. 5 x L. 6)	\$121,091
8	Total Costs (line 1 above)		\$905,730
9	Percent of Total Applicable to Participants	(L. 7 / L. 8)	13.36941%
10	Percent of Total Applicable to FPL Ownership	100% - L. 9	86.63059%

Note:

- 1 Common (shared) facilities that are expected to be decommissioned at the same time as St. Lucie Unit No. 2 and are included with the decommissioning costs of Unit No. 2.
- 2 The Participants share of the common facilities has been calculated in compliance with the Participation Agreement which provides that the Participants pay for only their ownership share times one-half of the common facility costs.
- 3 Allocation is based on ownership share of 8.80600% for Florida Municipal Power Agency and 6.08951% for Orlando Utilities Commission. (Total = 14.89551%)

SL Summary of Costs Shared Structures
(thousands, 2025 dollars)

	Unit 1	Unit 2	Total
Structures			
Contaminated Soil	86,339	79,685	166,024
Site Paving	1,611	1,611	3,222
Clean Concrete Processing	2,492	3,608	6,100
Security Improvements	1,372	1,372	2,744
Shared Miscellaneous Site Structures		6,543	6,543
Steam Generator Blowdown Facility	-	958	958
	91,814	93,777	185,591

SECTION 11

**DECOMMISSIONING COST ANALYSIS:
ST LUCIE NUCLEAR PLANT UNITS 1 AND 2**
Prepared by EnergySolutions, LLC

2025 Decommissioning Cost Estimate of the St. Lucie Nuclear Plant, Units 1 and 2

Project No. 164193-01

Rev. 1

Prepared for:
Florida Power & Light Company

Prepared by:
EnergySolutions, LLC
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	Kevin Kirkley, Estimating Manager	Date

- ☐ New Report
- ☐ Title Change
- ☒ Report Revision
- ☐ Report Rewrite

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Acronyms and Abbreviations

AIF	Atomic Industrial Forum
ALARA	As Low As Reasonably Achievable
BWR	Boiling Water Reactor
CFR	Code of Federal Regulations
CWS	Circulating Water System
DAW	Dry Active Waste
DCE	Decommissioning Cost Estimate
DGC	Decommissioning General Contractor
DOE	U.S. Department of Energy
DSC	Dry Storage Canister
ES	EnergySolutions
EPRI	Electric Power Research Institute
FPL	Florida Power & Light
FEMA	Federal Emergency Management Agency
FSS	Final Status Survey
GSA	U.S. General Services Administration
GTCC	Greater Than Class C
HP	Health Physics
HSM	Horizontal Storage Module
INPO	Institute of Nuclear Power Operations
ISFSI	Independent Spent Fuel Storage Installation
LLRW	Low-Level Radioactive Waste
LOP	Life-of-Plant
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MWt	Megawatt thermal
NRC	Nuclear Regulatory Commission
ORISE	Oak Ridge Institute for Science and Education
PCB	Polychlorinated Biphenyl
PSDAR	Post-Shutdown Decommissioning Activities Report
PWR	Pressurized Water Reactor
St. Lucie	St. Lucie Nuclear Plant
SLR	Subsequent License Renewal
WBS	Work Breakdown Structure
WCS	Waste Control Specialists LLC
UCF	Unit Cost Factor

1.0 EXECUTIVE SUMMARY

This report presents the 2025 Decommissioning Cost Estimate (DCE) Study of the St. Lucie Nuclear Plant, Units 1 and 2, hereinafter referred to as the 2025 Cost Study. The St. Lucie Nuclear Plant (St. Lucie) is owned and operated by Florida Power & Light Company (FPL). Unit 2 is jointly owned with Florida Municipal Power Agency and Orlando Utilities Commission.

This DCE has been performed to furnish an estimate, for financial planning purposes, of the costs for decommissioning St. Lucie Units 1 and 2 to the extent required to terminate the plant's operating license pursuant to 10 CFR 50.75(c), post-shutdown management of spent fuel until acceptance by the U.S. Department of Energy (DOE) pursuant to 10 CFR 50.54(bb), clean demolition of structures and restoration of the site, and Independent Spent Fuel Storage Installation (ISFSI) decommissioning pursuant to 10 CFR 72.30.

The study methodology follows the basic approach originally presented in the Atomic Industrial Forum/National Environmental Studies Project Report AIF/NESP-036, "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," (Ref. No. 1). The report was prepared in accordance with Nuclear Regulatory Commission (NRC) Regulatory Guide 1.202, "Standard Format and Content of Decommissioning Cost Estimates for Nuclear Power Reactors," (Ref. No. 2). The estimate is based on compliance with current regulatory requirements and proven decommissioning technologies.

NRC requirements, set forth in Title 10 of the Code of Federal Regulations (CFR), differentiate between the post-shutdown costs associated with storage of spent fuel on site and those associated with the decommissioning of the facility. 10 CFR 50.75(c) establishes minimum funding requirements for decommissioning, which is limited to removing the facility from service and reducing the residual radioactivity to a level that permits release of the property and termination of the license. Decommissioning, as defined by 10 CFR 50.2, does not include the cost of removal and disposal of spent fuel, the cost of removing clean structures, or the cost of site restoration activities that do not involve the removal of residual radioactivity necessary to terminate the NRC license, which restore the site to either "Brownfield" or "Greenfield" conditions depending on the desired end state. 10 CFR 50.54 (bb) requires funding by the licensee "for the management of all irradiated fuel at the reactor upon expiration of the reactor operating license until title to the irradiated fuel and possession of the fuel is transferred to the Secretary of Energy for its ultimate disposal in a repository."

Accordingly, the costs and schedules for all activities are segregated for regulatory purposes as follows: costs for "License Termination" (10 CFR 50.75(c)), costs for "Spent Fuel Management" (10 CFR 50.54(bb)), and costs for "Site Restoration".

This study analyzes two DCE scenarios, defined by FPL, as follows:

Scenario 1 – Unit 1 SAFSTOR, DECON both units following Unit 2 Shutdown

- SAFSTOR Unit 1 when it is permanently shut down in 2056
- DOE starts accepting fuel from the site in 2037
- Unit 1 transfers spent fuel from pool to DOE prior to shutdown beginning in 2037
- Unit 1 Fuel pool empty by 2057
- DECON methodology for Units 1 and 2 after Unit 2 is permanently shut down in 2063

- Unit 2 transfers spent fuel from pool to DOE prior to shutdown beginning in 2038
- Unit 2 Fuel pool empty by 2064
- All Dry Fuel transferred from ISFSI to DOE by 2082
- Decommissioning will be performed by FPL and a Decommissioning General Contractor (DGC)
- Class A LLRW will be disposed of at the ES Clive UT burial site
- Class B and Class C LLRW will be shipped and buried at the WCS Andrews County, TX burial site

Scenario 2 – SAFSTOR

- SAFSTOR Unit 1 when it is permanently shut down in 2056
- DOE starts accepting fuel from the site in 2037
- Unit 1 transfers spent fuel from pool to DOE prior to shutdown beginning in 2037
- Unit 1 Fuel pool empty by 2057
- SAFSTOR Unit 2 after shutdown in 2063
- Unit 2 transfers spent fuel from pool to DOE prior to shutdown beginning in 2038
- Unit 2 Fuel pool empty by 2064
- All Dry Fuel transferred from ISFSI to DOE by 2082
- Decommissioning will be performed by FPL and a Decommissioning General Contractor (DGC)
- SAFSTOR period to end in 2109
- Decommissioning activities to complete by 2116. ISFSI decommissioning and demolition to complete by 2117.
- Class A LLRW will be disposed of at the ES Clive UT burial site
- Class B and Class C LLRW will be shipped and buried at the WCS Andrews, TX burial site

The cost estimate results are provided for each scenario in 2025 dollars and summarized in Table 1-1 below. This table provides License Termination costs (corresponding to 10 CFR 50.75(c) requirements), Spent Fuel Management costs (corresponding to 10 CFR 50.54(bb) requirements), and Site Restoration costs including activities such as clean building demolition and site grading etc.

Table 1-1

FPL - St. Lucie Units 1 and 2 Decommissioning Cost Summary (thousands of 2025 dollars)				
Scenario	License Termination	Spent Fuel	Site Restoration	Total
1	1,400,996	432,431	71,360	1,904,787
2	1,546,809	454,839	73,934	2,075,582

Table 1-2 below provides the cost estimate results for Scenario 1 separated into Unit 1, Unit 2 and Total.

Table 1-2

FPL - St. Lucie Units 1 and 2 Scenario 1 Cost Summary by Unit (thousands of 2025 dollars)			
	Unit 1	Unit 2	Total
License Termination	723,590	677,406	1,400,996
Spent Fuel	243,358	189,073	432,431
Site Restoration	32,109	39,251	71,360
Total	999,057	905,730	1,904,787

Table 1-3 below provides the cost estimate results for Scenario 2 separated into Unit 1, Unit 2 and Total.

Table 1-3

FPL St. Lucie Units 1 and 2 Scenario 2 Cost Summary by Unit (thousands of 2025 dollars)			
	Unit 1	Unit 2	Total
License Termination	801,373	745,437	1,546,809
Spent Fuel	254,382	200,457	454,839
Site Restoration	33,739	40,195	73,934
Total	1,089,494	986,088	2,075,582

The estimate is based on site-specific plant systems and buildings inventories. These inventories, EnergySolutions' (ES) proprietary Unit Cost Factors (UCFs), historical data and execution strategy were used to generate required man-hours, waste volumes and classification, and estimated costs. Detailed project estimates are included in [Appendix C](#).

The schedule reflects EnergySolutions' historical execution strategy and experience to sequence activity-dependent or distributed decommissioning elements such as planning and preparations, major component removal, building decontamination, building demolition, etc. A schedule for each scenario is summarized in Tables 1-4 and 1-5 below. Detailed project schedules are included in [Appendix B](#).

Table 1-4 below provides a schedule summary for Scenario 1 based on a DECON scenario with Unit 1 Shutdown March 1, 2056 and Unit 2 Shutdown April 6, 2063.

Table 1-4

FPL DCE-01 St. Lucie Units 1 and 2 Scenario 1 Schedule Summary	
Year	Item
2037	DOE starts accepting fuel from spent fuel pool
2056	Unit 1 Shutdown
2059	Unit 1 SAFSTOR period begins
2063	Unit 2 Shutdown
2057	Unit 1 Fuel Pool Empty
2064	Unit 2 Fuel Pool Empty
2063	Unit 1 SAFSTOR period ends
2065	Start Demolition
2070	Decommissioning and Site Restoration Complete
2082	ISFSI Empty
2084	ISFSI Decommissioning and Site Restoration Complete

Table 1-5 below provides a schedule summary for Scenario 2 based on a SAFSTOR scenario with Unit 1 Shutdown March 1, 2056 and Unit 2 Shutdown April 6, 2063.

Table 1-5

FPL DCE-01 St. Lucie Units 1 and 2 Scenario 2 Schedule Summary	
Year	Item
2037	DOE starts accepting fuel from spent fuel pool
2056	Unit 1 Shutdown
2059	Unit 1 SAFSTOR period begins
2063	Unit 2 Shutdown
2057	Unit 1 Fuel Pool Empty
2064	Unit 2 Fuel Pool Empty
2066	Unit 2 SAFSTOR period begins
2082	ISFSI Empty
2109	SAFSTOR Period ends
2110	Start Demolition
2116	Decommissioning and Site Restoration Complete
2117	ISFSI Decommissioning and Site Restoration Complete

2.0 INTRODUCTION

2.1 Study Objective

This report presents the 2025 Decommissioning Cost Estimate (DCE) Study of the St. Lucie Nuclear Plant, Units 1 and 2, hereinafter referred to as the 2025 Cost Study. The St. Lucie Nuclear Plant (St. Lucie) is owned and operated by FPL.

This DCE has been performed to furnish an estimate, for financial planning purposes, of the costs for decommissioning St. Lucie Units 1 and 2 to the extent required to terminate the plant's operating license pursuant to 10 CFR 50.75(c), post-shutdown management of spent fuel until acceptance by the U.S. Department of Energy (DOE) pursuant to 10 CFR 50.54(bb), clean demolition of structures and restoration of the site.

The study methodology follows the basic approach originally presented in the Atomic Industrial Forum/National Environmental Studies Project Report AIF/NESP-036, "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," (Ref. No. 1). The report was prepared in accordance with Nuclear Regulatory Commission (NRC) Regulatory Guide 1.202, "Standard Format and Content of Decommissioning Cost Estimates for Nuclear Power Reactors," (Ref. No. 2). The estimate is based on compliance with current regulatory requirements and proven decommissioning technologies.

2.2 Regulatory Framework

Provisions of current laws and regulations affecting decommissioning, waste management and spent fuel management are as follows:

1. NRC regulations require a license for on-site storage of spent fuel. Wet storage in a spent fuel pool is authorized by a facility's 10 CFR Part 50 license (Ref. No. 3). On-site dry storage of spent fuel at an Independent Spent Fuel Storage Installation (ISFSI) is licensed by either: (a) the general license set forth in 10 CFR 72.210, which requires that a Part 50 license be in place; or (b) a site-specific ISFSI license issued pursuant to 10 CFR Part 72.
2. 10 CFR 50.75(c) requires funding by the licensee of the facility for the decommissioning program, but specifically excludes the cost of removal and disposal of spent fuel and the removal of clean structures.
3. 10 CFR 50.54 (bb) requires the licensee, within two years following permanent cessation of operation of the reactor or five years before expiration of the operating license, whichever occurs first, to submit written notification to the NRC for its review and preliminary approval of the program by which the licensee intends to manage and provide funding "for the management of all irradiated fuel at the reactor upon expiration of the reactor operating license until title to the irradiated fuel and possession of the fuel is transferred to the Secretary of Energy for its ultimate disposal in a repository." However, the NRC does not currently consider post-shutdown spent fuel management costs to be decommissioning costs.

4. 10 CFR 72.30(b) requires that a licensee under Part 72 must submit a decommissioning funding plan that contains information that provides assurance that funds will be available to decommission the ISFSI.
5. 10 CFR Part 961, Appendix E (Ref. No. 4), requires spent fuel to be cooled for at least five years before it can be accepted by DOE.

Decommissioning Alternatives

The three basic methods for decommissioning are DECON, SAFSTOR, and ENTOMB, which are summarized as follows:

1. DECON: The equipment, structures, and portions of the facility and site that contain radioactive contaminants are promptly removed or decontaminated to a level that permits termination of the license after cessation of operations.
2. SAFSTOR: The facility is placed in a safe, stable condition and maintained in that state (safe storage). The facility is decontaminated and dismantled at the end of the storage period to levels that permit license termination. NRC regulations require decommissioning to be completed within 60 years of cessation of operation. Durations less than the regulatory-allowed maximum may be referred to as Modified SAFSTOR.
3. ENTOMB: Radioactive structures, systems, and components are encased in a structurally long-lived substance, such as concrete. The entombed structure is appropriately maintained and monitored until radioactivity decays to a level that permits termination of the license. Since entombment will exceed the requirement for decommissioning to be completed within 60 years of cessation of operation, NRC handles entombment requests on a case-by-case basis.

The selection of a preferred decommissioning alternative is influenced by a number of factors pertinent at the time of final plant shutdown. These factors include the cost of each decommissioning alternative, minimization of occupational radiation exposure, availability of a low-level waste disposal facility, availability of a high-level waste (spent fuel) repository, regulatory requirements, and public concerns.

Post-Shutdown Spent Fuel Management Alternatives

Selection of a decommissioning strategy and the associated schedule for completion is in part contingent upon an assumed start date for DOE acceptance of spent fuel and an assumed end date for completion of the transfer of all spent fuel assemblies projected to be generated during a power reactor's operating life. The basic options for long-term post-shutdown spent fuel management currently available to power plant operators are (1) wet storage consisting of continued maintenance and operation of the spent fuel pool, and (2) dry storage consisting of transfer of spent fuel from the fuel pool to on-site dry storage modules after a cooling period. Maintaining the spent fuel pool for an extended duration following cessation of operations prevents termination of the Part 50 license and typically has a higher annual maintenance and operating cost than the dry storage alternative. Transfer of spent fuel to an ISFSI requires additional capital expenditures for purchase and construction of the ISFSI and dismantlement and disposal of the ISFSI following completion of spent fuel transfer to DOE. In both cases the decommissioning and spent fuel management costs are significantly affected by the assumed start and end dates for DOE acceptance of spent fuel.

In January 2013, DOE released its "Strategy for Management and Disposal of Used Nuclear Fuel and High-Level Radioactive Waste" (Ref. No. 5). The DOE strategy contemplates building the capability to begin executing DOE's commitment to address waste disposal within the next ten years. Under this strategy, by 2021, operation would begin of a "pilot storage facility" with an "initial focus on accepting spent fuel from shutdown reactor sites." By 2025, a "larger interim storage facility" would be available and by 2048 a geologic repository would commence operations.

For purposes of this estimate, FPL has assumed the DOE pickup of commercial fuel to begin in 2034. The DOE starts accepting spent fuel from the St. Lucie facility in 2037 and the acceptance rate is consistent with the 2004 "Acceptance Priority Ranking & Annual Capacity Report" (Ref. No. 6), which is the most current information regarding the acceptance of spent fuel.

Note that nothing in this update, or in the assumptions and information provided by FPL, should be construed as any sort of admission or concession regarding the legal obligations of DOE. For example, and without limitation, the assumptions for DOE performance utilized in this update do not include consolidation or acceleration via exchanges of acceptance allocations with other utilities, and DOE is also assumed to accept loaded and canistered fuel, although the government's stated positions with respect to such acceptance, including assertions in legal proceedings, have been inconsistent.

3.0 STUDY METHODOLOGY

3.1 General Description

EnergySolutions maintains a proprietary decommissioning cost model based upon the fundamental technical approach established in AIF/NESP-036, "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," dated May 1986 (Ref. No. 1). The cost model has been continuously updated in accordance with regulatory requirements, EnergySolutions' actual project experience, and the latest industry technologies. The cost model includes elements for estimating distributed (direct costs) and undistributed costs. Distributed costs are activity specific and include planning and preparation costs as well as the decontamination, packaging, disposal, and removal of major components and systems. For example, the segmentation, packaging, and disposal of the reactor internals is a distributed cost. Undistributed costs, sometimes referred to as collateral costs, are typically time dependent costs such as utility and decommissioning general contractor staff, property taxes, insurance, regulatory fees and permits, energy costs, and security staff.

The methodology for preparing cost estimates for a selected decommissioning alternative requires development of a site-specific detailed work-activity sequence based upon the plant inventory. The activity sequence is used to define the labor, material, equipment, energy resources, and duration required for each activity. In the case of major components, individual work-activity sequence analyses are performed based on the physical and radiological characteristics of the component and the packaging, transportation, and disposal options available.

In addition to actual costs and UCF models the study also relies on information obtained for earlier decommissioning estimates from across the industry and from cost information derived for submitted proposals and bid results.

3.2 Schedule Analysis

EnergySolutions has established a Work Breakdown Structure (WBS) that typically defines decommissioning costs and the schedule into six primary periods to define the scope of work. Those periods are:

- Period 1 – Shutdown and Transition
- Period 2 – SAFSTOR
- Period 3 – Decommissioning and License Termination
- Period 4 – Site Restoration
- Period 5 – Dry Fuel / GTCC Storage and Transfer
- Period 6 – ISFSI Decommissioning

The work is broken down further into sub-periods as defined in Section 4.2 below.

Once the work activity durations are established, a time-phased schedule and cash-flow analysis are performed using EnergySolutions' integrated HardDollar estimating and scheduling tools to generate annual spending.

The schedule accounts for constraints such as spent fuel cooling periods and regulatory reviews. The schedule is typically delineated into periods that differentiate manpower requirements and undistributed costs.

3.3 Decommissioning Staff

EnergySolutions' philosophy towards decommissioning is to assume that the project will be performed in an efficiently planned and executed manner using project personnel experienced in decommissioning. These DCE scenarios assume that the decommissioning will be performed by a highly experienced and qualified DGC, with oversight and management of the decommissioning operations performed by the utility staff. It is also assumed that the utility staff will be supplemented by professional consulting engineering, particularly in the planning and preparation phase.

Staffing levels for each project period are based on the Atomic Industrial Forum (AIF) guidelines, EnergySolutions' project experience and industry practice. The sizes of the staffs are varied in each period in accordance with the requirements of the work activities. Staffing has been organized into the following departments or functional groups:

- Administration
- Engineering
- Health Physics / Radiation Protection
- Management
- Maintenance and Operations
- Quality Assurance
- Security Administration
- Security Guard Force
- Waste Operations
- DGC Staff

3.4 Waste Disposal

Waste management costs comprise a significant portion of the decommissioning cost estimate. Additionally, limited future access to disposal sites licensed for receipt of Class B and C wastes introduces a significant level of uncertainty with respect to the appropriateness of using existing rate structures to estimate disposal costs of these wastes. EnergySolutions' approach to estimating waste disposal costs is discussed in the following paragraphs.

Waste Classification

Regulations governing disposal of radioactive waste are stringent in order to ensure control of the waste and preclude adverse impact on public health and safety. At present, low-level radioactive waste (LLRW) disposal is controlled by NRC Regulation 10 CFR 61, which went into effect in December 1983. This regulation stipulates the criteria for the establishment and operation of shallow-land LLRW burial facilities. Embodied within this regulation are criteria and classifications for packaging LLRW such that it is acceptable for burial at licensed LLRW disposal sites.

For each waste classification, 10 CFR 61 stipulates specific criteria for physical and chemical properties that the LLRW must meet in order to be accepted at a licensed disposal site. The LLRW disposal criteria of 10 CFR 61 require that LLRW generators determine the proportional amount of a number of specific radioactive

isotopes present in each container of disposable LLRW. This requirement for isotopic analysis of each waste stream of disposable LLRW is met by employing a combination of analytical techniques such as computerized analyses based upon scaling factors, sample laboratory analyses, and direct assay methods. Having performed an isotopic analysis of each container of disposable LLRW, the waste must then be classified according to one of the classifications (Class A, B, C or Greater Than Class C (GTCC)) as defined in 10 CFR 61.

EnergySolutions' classification of LLRW resulting from decommissioning activities is based on AIF/NESP-036 (Ref. No. 1), NUREG/CR-0130 (Ref. No. 7), NUREG/CR-0672 (Ref. No. 8), and recent industry experience. The estimated curie content of the reactor vessel and internals at shutdown is derived from NUREG/CR-0130 for Pressurized Water Reactors (PWRs) and NUREG/CR-0672 for Boiling Water Reactors (BWRs) and adjusted for the different mass of components and period of decay.

Packaging

Selection of the type and quantity of containers required for Class B and C wastes is based on the most restrictive of either curie content, dose rate, container weight limit, or container volume limit. GTCC wastes from segmentation of the reactor vessel internals is packaged in fuel canisters. The selection of container type for Class A waste is based on the transportation mode (rail, truck, barge, etc.) and waste form. The quantity of Class A waste containers is determined by the most restrictive of either container weight limit or container volume limit. Large components, such as pressurizers, and reactor recirculation pumps, are shipped as their own container with shielding as required.

Custom container costs are obtained from manufacturers. Shielded transport cask and liner costs are obtained from EnergySolutions or other cask owners and operators.

Transportation

Transportation routes to processing and disposal facilities are determined based on available transportation modes (truck, rail, barge or combinations). Transportation costs for the selected routes and modes are obtained from vendor quotes or published tariffs whenever possible.

Class A Disposal Options and Rates

In accordance with the existing Life-of-Plant (LOP) Disposal Agreement (Ref. No. 9), all Class A waste that meets the Clive facility waste acceptance criteria may be disposed of at Clive. All reported waste disposal costs include packaging, transportation, and any applicable surcharges.

Class B and C Disposal Options and Rates

Currently, within the United States, there are only three operational commercial disposal facilities licensed to accept Class B and C LLRW: the Barnwell facility, operated by EnergySolutions in Barnwell, South Carolina, the U.S. Ecology facility in Richland, Washington, and the licensed facility in Andrews County, Texas operated by Waste Control Specialists (WCS). Barnwell only accepts waste from states within the Atlantic Compact, U.S. Ecology only accepts waste from states within the Northwest and Rocky Mountain Compacts. However, the WCS facility will accept waste from the Texas Compact (comprised of Texas and Vermont) and non-Compact generators. The Texas Compact Commission on March 23, 2012, approved amendments to rules allowing the import of non-compact generator LLRW for disposal at the Andrews County facility.

In accordance with the existing Life-of-Plant (LOP) Disposal Agreement, all Class B and C waste that meets the WCS facility waste acceptance criteria is to be disposed of at WCS, Andrews County, TX facility. All reported waste disposal costs include packaging, transportation, and any applicable surcharges.

Greater Than Class C (GTCC)

Wastes identified as 10 CFR 61 Class A, B, and C may be disposed of at a near-surface disposal facility. Certain components are highly activated and may exceed the radionuclide concentration limitations for 10 CFR 61 Class C waste. In accordance with 10 CFR 61, these components cannot be disposed of in a near-surface LLRW disposal facility and must be transferred to a geologic repository or a similar site approved by the NRC.

Highly activated sections of the reactor vessel internals will result in GTCC waste. Presently, a facility does not exist for the disposal of wastes exceeding 10 CFR 61 Class C limitations. *EnergySolutions* assumes that the DOE will accept this waste along with spent fuel. Although courts have held that DOE is obligated to accept and dispose of GTCC, issues regarding potential costs remain unsettled. Therefore, *EnergySolutions* conservatively estimates a GTCC waste disposal cost. *EnergySolutions* assumes that the GTCC waste will be packaged in dry storage containers, and be shipped to a storage or disposal facility by DOE along with the spent fuel.

Additionally, *EnergySolutions* assumes shipping costs for GTCC waste to be equivalent to the commercial cost of shipping a Type B licensed, shielded cask such as the CNS 8-120B cask, which is owned and operated by *EnergySolutions*.

LLRW Volume Reduction

Based on current Class A LLRW disposal rates, *EnergySolutions* does not assume on-site volume reduction techniques such as waste compaction or an aggressive decontamination, survey and release effort. These activities are not currently considered to be cost effective over disposal.

Non-Radioactive Non-Hazardous Waste Disposal

EnergySolutions assumes that recyclable, non-radioactive scrap metal resulting from the decommissioning program will be transported to a scrap metal dealer. Concrete debris is assumed to be processed by size reduction, with removal of structural reinforcing steel, and used on site as engineered fill for voids. Asphalt from parking lots and roadways is assumed to be stockpiled on site and removed, at no cost to the project, by a recycler. All other demolition debris is removed from the site and disposed of at a local construction debris landfill.

Hazardous and Industrial Waste Disposal

Uncontaminated lead shielding remaining after shutdown is assumed to be removed from its installed locations and shipped off site by entities having a need for the material. The entities receive the lead at no charge in return for providing the removal and shipping services. Non-radioactive contaminated surfaces coated with lead-based paint will be removed as non-hazardous building demolition debris. All other chemicals and hazardous materials present at shutdown will be removed and properly disposed of during decommissioning.

3.5 Final Status Survey

The cost of performing a final status survey (FSS) is based on NUREG-1575, "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)" (Ref. No. 10). Estimates of MARSSIM Class I, II, and III survey designations are based on information furnished by FPL, radiological assumptions regarding contamination resulting from historic plant operations and from small and large component removal activities. The FSS activity cost calculation includes the in-place remote survey of underground metal and concrete pipe, soil, and groundwater sampling and analysis. Estimated costs for NRC and Oak Ridge Institute for Science and Education (ORISE) verification are also included, and the NRC review period is incorporated into the project schedule.

3.6 Contingency

Contingencies are applied to cost estimates primarily to allow for unknown or unplanned occurrences during the actual program, e.g., increased radioactive contamination over that expected, equipment breakdowns, weather delays, and labor strikes. This is consistent with the definition provided in the DOE Cost Estimating Guide, DOE G 430.1-1, 3-28-97 (DOE G) (Ref. No. 11). Contingency "covers costs that may result from incomplete design, unforeseen and unpredictable conditions, or uncertainties within the defined project scope. The amount of contingency will depend on the status of design, procurement, and construction; and the complexity and uncertainties of the component parts of the project. Contingency is not to be used to avoid making an accurate assessment of expected costs." EnergySolutions determines site-specific contingency factors to be applied to each estimate based on industry practices and actual project experience.

The DOE has established a recommended range of contingencies as a function of completeness of program design, DOE G. The ranges are:

<u>Type of Estimate</u>	<u>Contingency Range as a % of Total Estimate</u>
Planning Phase Estimate	20-30
Budget Estimate	15-25
Title I (Preliminary Design Estimate)	10-20
Title II (Definitive Design Estimate)	5-15

The approach in this estimate to assigning appropriate contingency rates is based upon adaptations of published values for the specific decommissioning activities as well as project experience and current industry practices. One source for such published information is AIF/NESP-036 "Guidelines for Producing Nuclear Plant Decommissioning Cost Estimates" (Ref. No. 1). The AIF guideline identifies contingencies for activities specific to a nuclear power plant decommissioning, such as reactor internals removal. The contingencies presented in the AIF guideline are based on the assumption that the estimated costs are not well known; therefore, the recommended contingencies are greater than they would be if the estimated costs were well known. With the exception of the system decontamination, reactor vessel and reactor internals removal, and disposal, the contingencies presented in the AIF guideline are consistent with the values for a Budget/Title I estimate. The system decontamination, reactor vessel and reactor internals removal, and disposal contingencies recommended in the AIF guideline are significantly higher than the ranges identified by the DOE, even for a planning phase document. This is due to the unique nature of these activities and the relatively small amount of historical data available at the time the AIF document was written.

The application of contingency rates in this estimate are consistent with information presented in AIF guideline and DOE G. The decommissioning costs generated in the estimate are considered well known and, as such, the contingencies presented in AIF guideline were reduced for each category of costs. There have also been a number of large-scale decommissioning projects since AIF was published, including by *EnergySolutions*, providing substantial historical information that has been used in preparing this estimate, allowing for additional reduction in contingency costs.

The following table provides a summary of contingency values included in the Decommissioning Cost Estimate:

- 10% contingency on SAFSTOR staff and undistributed costs
- 15% contingency on non-rad build demolition and site restoration activities
- 15% contingency on dry fuel storage & ISFSI operations activities
- 15% contingency on dry fuel transfer to DOE
- 15% contingency on staff and undistributed costs
- 15% contingency on GTCC transportation and disposal
- 20% contingency on reactor vessel segmentation
- 20% contingency on large component and system removal
- 20% contingency on rad building interior and exterior demolition
- 20% contingency on final status surveys
- 20% contingency on wet fuel transfer to the DOE
- 20% contingency on remediation and disposal of contaminated soils
- 25% contingency on asbestos abatement

A reactor decommissioning program will be conducted under an NRC-approved Quality Assurance Program which meets the requirements of 10 CFR 50, Appendix B. However, the development of the Quality Assurance Program, the performance of work under that program, and the effort required to ensure compliance with the program, is already included in the detailed cost estimate. Therefore, *EnergySolutions* does not include quality assurance as an element of the contingency allowance. The same is true where radioactive contamination or activated materials are dealt with. The cost factors and associated calculations fully reflect the cost impact of that material, and a separate contingency is not required specifically due to working with contamination.

3.7 Cost Reporting

Total project costs are aggregated from the distributed activities (direct costs) and undistributed costs into the following categories:

- Labor
- Materials and Equipment
- Waste Transportation and Disposal
- Other Direct Costs

Other costs include property taxes, insurance, license fees, permits, and energy. Waste disposal costs are the summation of packaging, transportation, base disposal rate, and any applicable surcharges. Health physics (HP) supplies and small tool costs are calculated as a component of each distributed activity cost and included in the category of Material and Equipment, except for HP supplies for utility HP staff are calculated and reported as an undistributed line item. A contingency is then applied to each activity.

4.0 SITE-SPECIFIC TECHNICAL APPROACH

4.1 Facility Description

The St. Lucie Nuclear Plant is a nuclear-powered electrical generating facility consisting of two PWRs. St. Lucie is located on Hutchinson Island, midway between the Florida cities of Fort Pierce and Stuart. The plant site comprises approximately 1,132 acres, and approximately one quarter of the site is used for generating electricity.

Both Unit 1 and Unit 2 are two-loop Combustion Engineering PWRs with a current thermal output of 3,020 MWt and a design electrical rating of 1,062 MWe and 1,074 MWe, respectively. The current license expiration dates for Units 1 and 2 are in 2056 and 2063, respectively. FPL has applied for a subsequent license renewal that will extend the license expiration dates for Units 1 and 2 to 2056 and 2063, respectively. FPL expects to receive the subsequent license renewals in 2026. Therefore, FPL incorporated the subsequent license renewals in the current study.

St. Lucie has an existing ISFSI supporting Units 1 and 2. The ISFSI is operated under the 10 CFR Part 72 general license using the manufacturer's Certificate of Compliance.

A list of the St. Lucie Unit 1 and 2 systems and structures included in the material inventory for this study is provided in [Appendix A](#).

4.2 Decommissioning Periods

EnergySolutions has established a Work Breakdown Structure (WBS) that typically defines decommissioning cost estimates with six primary periods to define the scope of work. Those periods are:

- Period 1 – Shutdown and Transition
- Period 2 – SAFSTOR
- Period 3 – Decommissioning and License Termination
- Period 4 – Site Restoration
- Period 5 – Dry Fuel / GTCC Storage and Transfer
- Period 6 – ISFSI Decommissioning

The work is broken down further into sub-periods.

The project periods defined for this site-specific study and a summary of activities performed during each period are listed below.

SCENARIO 1 – Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown

Period 1 – Shutdown and Transition:

Period 1a – Planning Prior to Shutdown (by Plant Operations)

Period 1b – Unit 1 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for SAFSTOR
- Prepare PSDAR and License Documents

- Engineering Activities in Preparation for SAFSTOR

Period 1c – Unit 1 Post-Shutdown Deactivation and Modifications:

- Defuel Reactor Unit 1 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications
- Implement Cold and Dark
- Flush and Drain Non-Essential Systems
- Perform Pre-SAFSTOR Baseline Radiation Survey

Period 1d – Unit 1 Wet Fuel Transfer to DOE prior to SAFSTOR:

- Provide Transfer Casks (supplied by DOE)
- Procure Spent Fuel Loading and Transfer Equipment
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load DOE Casks
- Dry, Close and Inspect DOE-supplied Casks
- Load Out Casks to DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 1e – Unit 2 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for Decommissioning
- Preparation of PSDAR and Licensing Documents
- Engineering Activities in Preparation for Decommissioning

Period 1f – Unit 2 Post-Shutdown Preparations and Deactivation:

- Defuel Reactor Unit 2 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications

Period 1g – Unit 2 Wet Fuel Transfer to DOE prior to DECON (not applicable):

Period 1h – Unit 2 Wet Fuel Transfer to ISFSI prior to DECON:

- Provide Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1i – Unit 1 Wet Fuel Transfer to ISFSI prior to SAFSTOR:

- Provide Transfer Casks
- Procure Spent Fuel Loading and Transfer Equipment (In Period 1)
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1j – Undistributed Costs for Shutdown and Transition:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Energy
- County Fees
- FEMA Fees
- ISFSI Operating Costs
- Spent Fuel Maintenance

Period 2 – SAFSTOR (Unit 1):

Period 2a – Unit 1 Dry Fuel Transfer to DOE during SAFSTOR:

- Provide Transfer Casks (supplied by DOE)
- Procedures & Dry Runs (Pd 1)
- Remove Fuel Assemblies from Pool & Load Casks
- Dry, Close & Inspect
- Load Out Casks to Transport

Period 2c – Dormancy during U1 Dry Fuel Transfer

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- County Fees
- FEMA Fees
- Emergency Planning Fees
- ISFSI Operating Costs
- Energy

Period 3 – Decommissioning and License Termination:

Period 3a – Decommissioning Planning:

- Decommissioning Planning and Design
- Prepare Integrated Work Sequence and Schedule

- Site Characterization
- Prepare Decommissioning Activity Specifications
- Prepare Detailed Work Procedures
- Prepare License Termination Plan
- Design Containment and Miscellaneous System Modifications
- Purchase Dry Storage Modules for GTCC Waste

Period 3b – Decommissioning Transition and Preparations:

- Mobilize Decommissioning General Contractor
- Flush and Drain Non-Essential Systems – Unit 2
- Perform Asbestos Abatement of Pipe Insulation
- Implement Temporary Power Upgrades – Unit 1
- Implement Cold and Dark and Install Temporary Power – Unit 2
- Construct Miscellaneous Building Modifications, In-Plant Laydown Areas
- Modify Containment Access
- Transportation Infrastructure Modifications
- Procure Waste Handling and Processing Tents

Period 3c – Reactor Vessel Removal:

- Design and Procure Special Equipment
- Test Special Cutting and Handling Equipment and Train Operators
- Finalize Internals and Vessel Segmentation Details
- Segment, Package and Ship Reactor Internals
- Package and Ship Reactor Pressure Vessels

Period 3d – Large Component Removal:

- Heavy Lift / Transfer Equipment
- Remove and Dispose of Steam Generators
- Remove and Dispose of Pressurizer
- Remove and Dispose of Reactor Coolant Pipe
- Remove and Dispose of Reactor Coolant Pumps
- Large Component Disposal

Period 3e – Plant Decontamination and Interior Rad Demolition:

- Remove and Dispose of Spent Fuel Storage Racks
- Segment, Package and Dispose of Spent Fuel Pool Island Equipment
- Decon/Surgical Removal Containment Buildings
- Decon/Surgical Removal Fuel Buildings
- Decon/Surgical Removal Auxiliary Buildings
- Oversize Debris/Containerized/Processed Debris Disposal

Period 3f – Rad Building Demolition:

- Demolish Fuel Buildings
- Demolish Auxiliary Buildings

- Demolish Containment Buildings
- Contaminated Soil
- Debris Disposal

Period 3g – License Termination Activities:

- Final Status Survey for Structures
- Final Status Survey for Land Areas (included with Structures)

Period 3h – Undistributed Costs for Decommissioning and License Termination:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Florida LLRW Inspection Fee
- Materials and Services
- Energy
- DGC HP Supplies

Period 4 – Site Restoration:

Period 4a – Clean Building and Site Demolition:

- Demolish Turbine Pedestal and Turbine Deck
- Demolish Intake and Circulating Water System (CWS)
- Demolish Tank Foundations
- Demolish Miscellaneous Site Structures
- Demolish Security Improvements
- Demolish Steam Generator Blowdown Treatment
- Clean Concrete Processing
- Demolish Site Paving
- Clean Debris Disposal / Recycle

Period 4b – Site Restoration:

- Procure Site Restoration Equipment
- Finish Grading and Re-Vegetate Site

Period 4c – Undistributed Costs for Site Restoration:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes

- Insurance
- Corporate Support
- Energy
- Materials and Services

Period 5 – Dry Fuel / GTCC Storage and Transfer:

Period 5a – Dry Fuel Transfer to DOE during and after DECON:

- Procure Loading and Transfer Equipment (included in Period 1)
- Procedures and Dry Runs (included in Period 1)
- Remove Fuel Casks from ISFSI and Load DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 5b – GTCC Waste Disposition:

- Remove GTCC Casks from ISFSI and Load Out
- GTCC Transportation and Disposal

Period 5c – Undistributed Costs for Dry Fuel / GTCC Storage and Transfer:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- NRC Inspection Fees
- Licensing Fees
- ISFSI Operating Costs

Period 6 –ISFSI Decommissioning:

Period 6a – ISFSI D&D Planning and Preparations:

- Preparation and NRC Review of License Termination Plan

Period 6b – ISFSI and Support Structure Clean Demolition:

- Clean Demolition of ISFSI
- Demolition of ISFSI Support Structures

Period 6c – ISFSI Final Status Surveys:

- Verification Surveys
- Preparation of Final Report on Decommissioning and NRC Review

Period 6d – Undistributed Costs for ISFSI Decommissioning:

- Utility Staff
- Security Guard Force
- General Contractor Staff

- Property Taxes
- Insurance
- Energy
- County Fees
- FEMA Fees (Emergency Preparedness)

SCENARIO 2 – SAFSTOR

Period 1 – Shutdown and Transition:

Period 1a – Planning Prior to Shutdown (by Plant Operations)

Period 1b – Unit 1 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for SAFSTOR
- Prepare PSDAR and License Documents
- Engineering Activities in Preparation for SAFSTOR

Period 1c – Unit 1 Post-Shutdown Deactivation and Modifications:

- Defuel Reactor Unit 1 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications
- Implement Cold and Dark
- Flush and Drain Non-Essential Systems
- Perform Pre-SAFSTOR Baseline Radiation Survey

Period 1d – Unit 1 Wet Fuel Transfer to DOE prior to SAFSTOR:

- Provide Transfer Casks (supplied by DOE)
- Procure Spent Fuel Loading and Transfer Equipment
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load DOE Casks
- Dry, Close and Inspect DOE-supplied Casks
- Load Out Casks to DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 1e – Unit 2 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for Decommissioning
- Preparation of PSDAR and Licensing Documents
- Engineering Activities in Preparation for Decommissioning

Period 1f – Unit 2 Post-Shutdown Preparations and Deactivation:

- Defuel Reactor Unit 2 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications
- Implement Cold and Dark

- Perform Pre-SAFSTOR Baseline Radiation Survey

Period 1h – Unit 2 Wet Fuel Transfer to ISFSI prior to SAFSTOR:

- Provide Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1i – Unit 1 Wet Fuel Transfer to ISFSI prior to SAFSTOR:

- Provide Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1j – Undistributed Costs for Shutdown and Transition:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Energy
- County Fees
- FEMA Fees
- ISFSI Operating Costs
- Spent Fuel Maintenance

Period 2 – SAFSTOR:

Period 2a – Unit 1 Dry Fuel Transfer to DOE during SAFSTOR:

- Provide Transfer Casks (supplied by DOE)
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 2c – Unit 1 Dormancy during Wet Fuel Transfer to DOE & ISFSI:

- Utility Staff
- Security Guard Force
- Property Taxes

- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- County Fees
- FEMA Fees
- Materials and Services
- Roof Replacement
- Energy

Period 2d – Unit 2 Dormancy during Dry Fuel Storage:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Energy

Period 2e – Dormancy Only:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Roof Replacement
- Energy

Period 3 – Decommissioning and License Termination:

Period 3a – Decommissioning Planning:

- Decommissioning Planning and Design
- Prepare Integrated Work Sequence and Schedule
- Planning and Design of Site Characterization
- Prepare Decommissioning Activity Specifications
- Prepare Detailed Work Procedures
- Prepare License Termination Plan

- Design Containment and Miscellaneous System Modifications
- Purchase Dry Storage Modules for GTCC Waste

Period 3b – Decommissioning Transition and Preparations:

- Mobilize Decommissioning General Contractor
- Perform Asbestos Abatement of Pipe Insulation
- Implement Temporary Power Upgrades – Unit 1
- Construct Misc. Building Modifications, In-Plant Laydown Areas
- Modify Containment Access
- Transportation Infrastructure Modifications
- Procure Waste Handling and Processing Tents

Period 3c – Reactor Vessel Removal:

- Design and Procure Special Equipment
- Test Special Cutting and Handling Equipment and Train Operators
- Finalize Internals and Vessel Segmentation Details
- Segment, Package and Ship Reactor Internals
- Segment, Package and Ship Reactor Pressure Vessels

Period 3d – Large Component Removal:

- Heavy Lift / Transfer Equipment
- Remove and Dispose of Steam Generators
- Remove and Dispose of Pressurizer
- Remove and Dispose of Reactor Coolant Pipe
- Remove and Dispose of Reactor Coolant Pumps
- Large Component Disposal

Period 3e – Plant Decontamination and Interior Rad Demolition:

- Remove and Dispose of Spent Fuel Storage Racks
- Segment, Package and Dispose of Spent Fuel Pool Island Equipment
- Decon/Surgical Removal Containment Buildings
- Decon/Surgical Removal Fuel Buildings
- Decon/Surgical Removal Auxiliary Buildings
- Oversize Debris/Containerized/Processed Debris Disposal

Period 3f – Rad Building Demolition:

- Demolish Fuel Buildings
- Demolish Auxiliary Buildings
- Demolish Containment Buildings
- Contaminated Soil
- Debris Disposal

Period 3g – License Termination Activities:

- Final Status Survey for Structures
- Final Status Survey for Land Areas (included with Structures)

Period 3h – Undistributed Costs for Decommissioning and License Termination:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Energy
- DGC HP Supplies

Period 4 – Site Restoration:

Period 4a – Clean Building and Site Demolition:

- Demolish Turbine Pedestal and Turbine Deck
- Demolish Intake and CWS
- Demolish Tank Foundations
- Demolish Miscellaneous Site Structures
- Demolish Security Improvements
- Demolish Steam Generator Blowdown Treatment
- Clean Concrete Processing
- Demolish Site Paving
- Clean Debris Disposal / Recycle

Period 4b – Site Restoration:

- Procure Site Restoration Equipment
- Finish Grading and Re-Vegetate Site

Period 4c – Undistributed Costs for Site Restoration:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Energy
- Materials and Services

Period 5 – Dry Fuel / GTCC Storage and Transfer:

Period 5a – Dry Fuel Transfer to DOE during SAFSTOR:

- Remove Fuel Casks from ISFSI and Load DOE Transport

Period 5b – GTCC Waste Disposition:

- Remove GTCC Casks from ISFSI and Load Out
- GTCC Transportation and Disposal

Period 5c – Undistributed Costs for Dry Fuel / GTCC Storage and Transfer:

- Utility Staff
- Security Guard Force
- ISFSI Operating Costs

Period 6 –ISFSI Decommissioning:

Period 6a – ISFSI D&D Planning and Preparations:

- Preparation and NRC Review of License Termination Plan

Period 6b – ISFSI and Support Structure Clean Demolition:

- Clean Demolition of ISFSI
- Demolition of ISFSI Support Structures

Period 6c – ISFSI Final Status Surveys:

- Verification Surveys
- Preparation of Final Report on Decommissioning and NRC Review

Period 6d – Undistributed Costs for ISFSI Decommissioning:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Energy

4.3 Decommissioning Staff

EnergySolutions developed staffing based on the assumption that decommissioning will be performed by an experienced and qualified Decommissioning General Contractor (DGC), with oversight, management and security of the decommissioning operations performed by the utility staff. It is also assumed that the utility staff will be supplemented by professional consulting engineering, particularly in the planning and preparation period.

The sizes of the staffs are varied in each period in accordance with the requirements of the work activities. Details on the staff levels, by functional group, during each period are provided in detail in [Appendix D](#).

4.4 Spent Fuel Management Staff

The largest spent fuel staff and security is in place while the spent fuel pool is operational during the minimum cooling period and the fuel assemblies are being transferred to either a DOE facility or dry storage. Once all spent fuel has been removed from the spent fuel pool, the staff and security levels are reduced. Details on the staff levels, by functional group, during each period are provided in [Appendix D](#).

4.5 Spent Fuel Shipments

The spent fuel shipment schedules for this estimate are based on information from FPL regarding existing fuel inventory, planned transfers to dry storage and a projected date of 2037 for DOE's acceptance of St. Lucie's spent fuel.

5.0 BASIS OF ESTIMATE AND KEY ASSUMPTIONS

The basis of, and key assumptions for, this site-specific decommissioning estimate are presented below:

1. All cost data used in this study is 2025 dollars.
2. Total and subtotal amounts are rounded.
3. The decommissioning will be performed under the current regulations. These regulations require a Post-Shutdown Decommissioning Activities Report (PSDAR) to be submitted prior to, or within, two years after permanent shutdown. Other revisions will be required for other licensing basis documents (e.g., Security, Emergency Planning, Fire Protection, Nuclear Safety, Quality Assurance Program, Fuel Debris issues, Spent Fuel Storage options).
4. The decommissioning will be performed using currently available technologies.
5. Fuel transfer operations are based on the DOE beginning to accept St. Lucie's spent fuel starting in 2037.
6. All transformers on site following shutdown are assumed to be PCB-free; therefore, this study does not include costs for disposition of PCB contaminated transformers.
7. Cost for transportation of clean scrap metal to a recycler is included in the estimate; however, no credit is taken for the value of the scrap metal. Clean concrete debris is assumed to be processed by size reduction, with removal of structural reinforcing steel, and used on site as engineered fill for voids.
8. DGC staff salaries, including overhead and profit, were determined by using *EnergySolutions'* project experience and standard assumptions for these rates.
9. Certain professional personnel used for the planning and preparation activities, and DGC personnel, that are not based in the local economy, are assumed to be paid per diem based on area per diem rates from U.S. General Services Administration (GSA).
10. This study follows the occupational exposure principles of As Low As Reasonably Achievable (ALARA) through the use of productivity loss factors that incorporate such items as the use of respiratory protection and personnel protective clothing. These factors increase the work duration and cost.
11. The costs of all required safety analyses and safety measures for the protection of the general public, the environment, and decommissioning workers are included in the cost estimates. This reflects the requirements of:

10 CFR 20	Standards for Protection Against Radiation
10 CFR 50	Domestic Licensing of Production and Utilization Facilities
10 CFR 61	Licensing Requirements for Land Disposal of Radioactive Waste

10 CFR 71	Packaging of Radioactive Material for Transport
10 CFR 72	Licensing Requirements for the Independent Storage of Spent Nuclear Fuel and High-Level Radioactive Waste
29 CFR 1910	Occupational Safety and Health Standards
49 CFR 170-189	Department of Transportation Regulations Governing the Transport of Hazardous Materials
Reg. Guide 1.159	Assuring the Availability of Funds for Decommissioning Nuclear Reactors

12. EnergySolutions developed project schedules based on Unit 1 and Unit 2 shutdown dates of March 1, 2056, and April 6, 2063, respectively, and fuel shipping schedules provided by FPL.
13. Spent fuel in the fuel pools at the time of shutdown will be transferred directly to the DOE-provided transfer/shipping casks from 2038 through 2061. Remaining spent fuel in 2057 for Unit 1 and 2064 for Unit 2 will be transferred from the spent fuel pool to the on-site ISFSI. The estimate includes purchase of transfer/shipping casks of the remaining spent fuel to be moved to the ISFSI.
14. Spent fuel canisters in the ISFSI at the time of shutdown will remain in dry storage until transfer to the DOE.
15. Costs for ISFSI security, operations and demolition for Units 1 and 2 are included in the estimate.
16. The estimate includes procurement of on-site fuel transfer equipment. It is assumed that equipment purchased for transfer equipment utilized during shipment from the spent fuel pool to the DOE will be utilized for the transfer of spent fuel to the ISFSI and is included in Period 1. It is assumed that this equipment will also be utilized for transfer/loading casks from the ISFSI to the DOE.
17. Based on FPL experience, the purchase of dry storage DSCs and HSMs required following shutdown are assumed to be 25% lower than for normal campaign costs due to volume discounts associated with the larger quantity of DSCs and HSMs required to transfer all fuel assemblies from the SFP to the pad.
18. As per FPL's settlement agreement, the DOE is expected to make payments to FPL to cover spent fuel management costs incurred by FPL prior to 2070 for St. Lucie.
19. The DOE is responsible for providing all transfer/shipping casks, containers, transportation and disposition of spent fuel shipped from the fuel pool and the ISFSI to a DOE designated off-site facility.
20. The estimate is based on site-specific plant systems and building inventories previously included in the 2020 Cost Study, and includes any updates provided by FPL.

21. All structures/systems shared between Unit 1 and Unit 2 are included in Unit 2 cost estimate.
22. License Termination costs include the complete demolition of the following buildings to a nominal depth of three feet below grade: Reactor Building, Auxiliary Building, and Fuel Handling Building.
23. The estimate is based on final site restoration, in which all remaining structures, with the exception of the switchyard and discharge diffuser, will be removed.
24. Foundations and building exterior walls are removed to a nominal depth of three feet below grade, surveyed and backfilled with appropriate fill material.
25. Intake piping will be left in place and sealed with a flowable concrete fill.
26. Clean concrete will be processed and utilized as backfill where needed to re-establish grade. The disturbed area of the site is to be graded and seeded.
27. Uncontaminated lead shielding remaining after shutdown was assumed to be removed from its installed locations and shipped off site by entities having a need for the material. The entities receive the lead at no charge in return for providing the removal and shipping services.
28. Any chemicals and hazardous materials present at shutdown are assumed to be removed and disposed of by the plant staff prior to decommissioning, as a normal part of plant operations.
29. Site-specific information regarding waste quantities of contaminated soil was provided by FPL and used as a basis for calculation of current costs for remediation and disposal.
30. All Class A waste is assumed to be disposed of at EnergySolutions' facility in Clive, Utah, in accordance with the existing LOP Disposal Agreement (Ref. No. 9) between EnergySolutions as allowed by the existing LOP and FPL dated January 1, 2007. A LOP agreement letter stating the 2025 price increase was also utilized to develop the waste disposal costs.
31. Class A waste includes Dry Active Waste (DAW) arising from the disposal of contaminated protective clothing and health physics supplies.
32. Class B and C waste disposal costs are based on disposal rates provided by FPL for the WCS Andrews, TX facility. All resins and filter waste is assumed to be Class B.
33. GTCC waste generated from the segmentation of the reactor internals will be stored in on-site canisters placed in the ISFSI until final disposition at a DOE facility. It is assumed that 12 GTCC canisters will be required for the St. Lucie units (6 canisters for Unit 1 and 6 canisters for Unit 2).
34. Vessel and internals curie estimates were derived from the values for the Reference PWR vessel and internals in NUREG/CR-0130. These values were adjusted for mass and decay period.

35. It is assumed that all Class A LLRW currently being accumulated on site will be removed to a low-level waste processing and/or disposal facility prior to the end of the operating life of the plant. The disposition of such materials is assumed not to be a decommissioning cost.
36. The spent fuel shipping schedules and transfer to dry storage costs for each scenario were developed by FPL and furnished to EnergySolutions.
37. St. Lucie currently has an existing ISFSI on site. Construction costs for any expansion of the ISFSI that may be required has not been included, but demolition has been included in the estimate and has been split between both units.
38. EnergySolutions has assumed that the 10 CFR Part 50 license for Units 1 and 2 will be terminated after DOE has taken possession of the spent fuel.
39. Emergency Preparedness fees were supplied by FPL. Per direction of FPL emergency preparedness fees are assumed to cease once all spent fuel is removed from the spent fuel pool.
40. NEIL and ANI insurance premiums are included based on the rate schedule provided by FPL. Insurance premiums have been reduced when major milestones have been completed.
41. Units 1 and 2 property taxes are included based on the rate schedule provided by FPL.
42. Energy costs have been estimated based on previous experience of similar projects utilizing energy rates provided by FPL.
43. EnergySolutions has included NRC inspection fees during each decommissioning period based on the type and level of activities being performed.
44. EnergySolutions has assumed that licensing fees will be reduced after shutdown.
45. Site operating expenses expected to be incurred during Unit 1 SAFSTOR and decommissioning are included in the estimate. These costs include materials and services, supplies, utilities, telecommunications equipment, non-process computers, and tools and equipment.
46. Utility staff and security positions, and average direct-burdened salary data were supplied by FPL.
47. Severance costs for Reductions-in-Force immediately following Unit 1 and Unit 2 permanently ceasing operations are excluded from the estimate.
48. Craft labor rates used a combination of the labor rates provided by FPL and 2019 RS Means rates escalated to 2025 costs.
49. The most recent NRC requirements for Security, Emergency Response, Fukushima, Cyber Security and any other regulatory changes have been included.

- 50. Undistributed staffing costs, taxes, and fees in Periods 3 and 4 is split 93% for License Termination and 7% Site Restoration with exception licensing and NRC fees (100% License Termination).
- 51. Estimate assumes that security staff for Unit 1 prior to Unit 2 shutdown is for spent fuel transfer only. Overall site security to be covered by Unit 2 security. Period 1 Unit 2 security post-shutdown is assumed to cover site security as well as spent fuel transfer.
- 52. Institute of Nuclear Power Operations (INPO) and Electric Power Research Institute (EPRI) dues are not included in this estimate.

6.0 STUDY RESULTS

The study results for each of the DCE scenarios are presented in this section.

The cost estimate results are provided in Table 6-1 below. This table provides License Termination costs (corresponding to 10 CFR 50.75(c) requirements); Spent Fuel Management costs (corresponding to 10 CFR 50.54(bb) requirements), and Site Restoration costs, including activities such as clean building demolition and site grading etc.

Table 6-1

FPL - St. Lucie Units 1 and 2 Decommissioning Cost Summary (thousands of 2025 dollars)				
Scenario	License Termination	Spent Fuel	Site Restoration	Total
1	1,400,996	432,431	71,360	1,904,787
2	1,546,809	454,839	73,934	2,075,582

Summary schedule tables are shown for each scenario below. Detailed schedules for each scenario are provided in [Appendix B](#).

Summary cost tables are shown for each scenario below. Detailed estimates for each scenario are provided in [Appendix C](#).

Detailed staffing tables for each scenario are provided in [Appendix D](#).

Summary waste quantities are shown for each scenario below. Waste estimates for each scenario are provided in [Appendix E](#).

Detailed annual spending tables for each scenario are provided in [Appendix F](#).

The following sections provide study results by scenario.

6.1 Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown

Cost Summary

Table 6-2 below provides the cost estimate results for Scenario 1 organized by period and separated into Unit 1, Unit 2 and Total.

Table 6-2

FPL - St. Lucie Units 1 and 2 Scenario 1 - Cost Summary by Period & Unit (thousands of 2025 dollars)				
Period	Item Description	Unit 1	Unit 2	Total Cost
Period 1	SHUTDOWN & TRANSITION	186,558	184,488	371,047
Period 2	SAFSTOR	73,259	-	73,259
Period 3	DECOMMISSIONING & LICENSE TERMINATION	596,152	576,808	1,172,959
Period 4	SITE RESTORATION	32,109	39,251	71,360
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	102,202	98,137	200,340
Period 6	ISFSI DECOMMISSIONING	8,776	7,045	15,822
	GRAND TOTAL	999,057	905,730	1,904,787

Table 6-3 below provides the cost estimate results for Scenario 1 organized by period and separated by cost type.

Table 6-3

FPL - St. Lucie Units 1 and 2 Scenario 1 - Cost Summary by Period & Cost Type (thousands of 2025 dollars)							
Period	Item Description	Labor Cost	Materials & Equipment	Waste Transport & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost
Period 1	SHUTDOWN & TRANSITION	219,218	79,119	-	23,241	49,469	371,047
Period 2	SAFSTOR	42,582	3,561	-	19,642	7,475	73,259
Period 3	DECOMMISSIONING & LICENSE TERMINATION	319,783	162,285	461,271	49,002	180,619	1,172,959
Period 4	SITE RESTORATION	39,711	15,438	348	6,555	9,308	71,360
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	105,318	2,817	41,221	24,794	26,190	200,340
Period 6	ISFSI DECOMMISSIONING	10,909	2,437	-	412	2,064	15,822
	GRAND TOTAL	737,521	265,656	502,840	123,647	275,123	1,904,787

A detailed estimate is provided in [Appendix C](#).

Schedule Summary

Table 6-4 below provides a schedule summary for Scenario 1 based on a DECON scenario with Unit 1 Shutdown March 1, 2056 and Unit 2 Shutdown April 6, 2063.

Table 6-4

FPL DCE-01 St. Lucie Units 1 and 2 Scenario 1 Schedule Summary	
Year	Item
2037	DOE starts accepting fuel from spent fuel pool
2056	Unit 1 Shutdown
2059	Unit 1 SAFSTOR period begins
2063	Unit 2 Shutdown
2057	Unit 1 Fuel Pool Empty
2064	Unit 2 Fuel Pool Empty
2063	Unit 1 SAFSTOR period ends
2065	Start Demolition
2070	Decommissioning and Site Restoration Complete
2082	ISFSI Empty
2084	ISFSI Decommissioning and Site Restoration Complete

A detailed schedule is provided in [Appendix B](#).

Project Staffing

Table 6-5 below provides project staffing for Scenario 1 organized by period and staff group.

Table 6-5

Period 1 - Shutdown & Transition	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065
Administration	8	12	4					8	12	4
Engineering	40	30	8					40	30	8
Health Physics/Rad Protection	30	25	20					30	25	20
Management	5	5	3					5	5	3
Maintenance & Operations	70	50	20					70	50	20
Quality Assurance	3	3	1					3	3	1
Utility Staff	156	125	56	-	-	-	-	156	125	56

Period 2 - SAFSTOR			2056	2057	2058	2059	2060	2061	2062	2063
Administration						2	2	2	2	2
Engineering						6	6	6	6	6
Health Physics/Rad Protection						6	6	6	6	6
Management						2	2	2	2	2
Maintenance & Operations						6	6	6	6	6
Quality Assurance						2	2	2	2	2
Utility Staff	-	-	-	-	-	24	24	24	24	24

Period 3 & 4 - License Term & Site Restoration	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070
Administration			4	4	10	12	12	12	7	2
Engineering			4	6	16	20	20	20	7	2
Health Physics/Rad Protection				4	8	24	24	24	16	4
Management			1	1	4	5	4	4	4	2
Maintenance & Operations					10	24	20	20	8	2
Quality Assurance			1	1	2	3	2	2	2	1
Utility Staff	-	-	10	16	50	88	82	82	44	13
Project Management			2	4	6	10	10	10	8	4
Engineering			4	6	6	12	10	10	7	2
Health Physics/Rad Protection				4	8	16	16	16	12	6
Administration			2	3	6	12	12	12	8	4
Maintenance & Operations						-	-	-	-	-
Quality Assurance			1	1	2	4	4	4	3	2
Waste Management				1	2	12	12	12	12	4
General Contractor Staff	-	-	9	19	30	66	64	64	50	22

Period 5 - Dry Fuel / GTFCC Storage & Transfer	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082
Administration			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Engineering			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Health Physics/Rad Protection			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Management																						
Maintenance & Operations			2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Quality Assurance			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Utility Staff	-	-	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Period 6 - ISFSI Decommissioning	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084
Administration															
Engineering															1
Health Physics/Rad Protection															1
Management															1
Maintenance & Operations															
Quality Assurance															1
Utility Staff	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Project Management														1	1
Engineering														1	1
Health Physics/Rad Protection															1
Administration															1
Maintenance & Operations															
Quality Assurance														1	1
Waste Management														1	1
General Contractor Staff	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6

Detailed staffing tables for each scenario are provided in [Appendix D](#).

Waste Disposal Volumes

Waste disposal is a significant element of the decommissioning project. The estimated waste disposal quantities for Scenario 1 are shown in cubic feet of waste as follows:

Class A	4,651,030
Class B/C	3,740
GTCC	5,772

Waste disposal volumes and costs, itemized by packaging, transportation, surcharges and disposal costs by waste class and facility, are provided in [Appendix E](#).

6.2 Scenario 2 - SAFSTOR

Cost Summary

Table 6-6 below provides the cost estimate results for Scenario 2 organized by period and separated into Unit 1, Unit 2 and Total.

Table 6-6

FPL St. Lucie Units 1 and 2 Scenario 2 - Cost Summary by Period & Unit (thousands of 2025 dollars)				
Period	Item Description	Unit 1	Unit 2	Total Cost
Period 1	SHUTDOWN & TRANSITION	187,449	188,771	376,220
Period 2	SAFSTOR	189,803	109,248	299,051
Period 3	DECOMMISSIONING & LICENSE TERMINATION	582,628	558,415	1,141,043
Period 4	SITE RESTORATION	33,739	40,195	73,934
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	86,770	82,092	168,862
Period 6	ISFSI DECOMMISSIONING	9,104	7,368	16,472
	GRAND TOTAL	1,089,494	986,088	2,075,582

Table 6-7 below provides the cost estimate results for Scenario 2 organized by period and separated by cost type.

Table 6-7

FPL St. Lucie Units 1 and 2 Scenario 2 - Cost Summary by Period & Cost Type (thousands of 2025 dollars)							
Period	Item Description	Labor Cost	Materials & Equipment	Waste Transport & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost
Period 1	SHUTDOWN & TRANSITION	223,182	79,656	-	23,239	50,144	376,220
Period 2	SAFSTOR	130,605	26,883	-	113,562	28,001	299,051
Period 3	DECOMMISSIONING & LICENSE TERMINATION	358,000	160,763	403,270	45,059	173,951	1,141,043
Period 4	SITE RESTORATION	42,228	15,564	325	6,173	9,644	73,934
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	98,969	2,817	41,221	3,769	22,086	168,862
Period 6	ISFSI DECOMMISSIONING	10,879	2,437	-	1,007	2,148	16,472
	GRAND TOTAL	863,862	288,121	444,816	192,810	285,973	2,075,582

A detailed estimate is provided in [Appendix C](#).

Schedule Summary

Table 6-8 below provides a schedule summary for Scenario 2 based on a SAFSTOR scenario with Unit 1 Shutdown March 1, 2056 and Unit 2 Shutdown April 6, 2063.

Table 6-8

FPL DCE-01 St. Lucie Units 1 and 2 Scenario 2 Schedule Summary	
Year	Item
2037	DOE starts accepting fuel from spent fuel pool
2056	Unit 1 Shutdown
2059	Unit 1 SAFSTOR period begins
2063	Unit 2 Shutdown
2063	Unit 1 Fuel Pool Empty
2066	Unit 2 Fuel Pool Empty
2067	Unit 2 SAFSTOR period begins
2082	ISFSI Empty
2109	SAFSTOR Period ends
2110	Start Demolition
2116	Decommissioning and Site Restoration Complete
2117	ISFSI Decommissioning and Site Restoration Complete

A detailed schedule is provided in Appendix B.

Project Staffing

Table 6-9 below provides project staffing for Scenario 2 organized by period and staff group.

Table 6-9

Period 1 - Shutdown & Transition	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065
Administration	8	12	4					8	12	4
Engineering	40	30	8					40	30	8
Health Physics/Rad Protection	30	25	20					30	25	20
Management	5	5	3					5	5	3
Maintenance & Operations	70	50	20					70	50	20
Quality Assurance	3	3	1					3	3	1
Utility Staff	156	125	56	-	-	-	-	156	125	56

Period 2 - SAFSTOR	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080-2104	2105	2106	2107	2108	2109
Administration	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Engineering	6	6	6	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Health Physics/Rad Protection	6	6	6	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Management	2	2	2	2	2																						
Maintenance & Operations	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Quality Assurance	2	2	2	2	2																						
Utility Staff	24	24	24	24	24	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Period 3 & 4 - License Term & Site Restoration	2108	2109	2110	2111	2112	2113	2114	2115	2116
Administration	4	4	10	12	12	12	12	7	2
Engineering	4	6	16	20	20	20	20	7	2
Health Physics/Rad Protection		4	8	24	24	24	24	16	4
Management	1	1	4	5	5	4	4	4	2
Maintenance & Operations			10	24	24	20	20	8	2
Quality Assurance	1	1	2	3	3	2	2	2	1
Utility Staff	10	16	50	88	88	82	82	44	13
Project Management	2	4	6	10	10	10	10	8	4
Engineering	4	6	6	12	12	10	10	7	2
Health Physics/Rad Protection		4	8	16	16	16	16	12	6
Administration	2	3	6	12	12	12	12	8	4
Maintenance & Operations				-	-	-	-	-	-
Quality Assurance	1	1	2	4	4	4	4	3	2
Waste Management		1	2	12	12	12	12	12	4
General Contractor Staff	9	19	30	66	66	64	64	50	22

Period 5 - Dry Fuel / GTCC Storage	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082
Administration				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Engineering				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Health Physics/Rad Protection				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Management																						
Maintenance & Operations				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
Quality Assurance				1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Utility Staff	-	-	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4

Period 6 - ISFSI Decommissioning	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117
Administration											
Engineering											1
Health Physics/Rad Protection											1
Management											1
Maintenance & Operations											
Quality Assurance											1
Utility Staff	-	-	-	-	-	-	-	-	-	-	4
Project Management										1	1
Engineering										1	1
Health Physics/Rad Protection											1
Administration											1
Maintenance & Operations											
Quality Assurance										1	1
Waste Management										1	1
General Contractor Staff	-	-	-	-	-	-	-	-	-	4	6

Detailed staffing tables for each scenario are provided in [Appendix D](#).

Waste Disposal Volumes

Waste disposal is a significant element of the decommissioning project. The estimated waste disposal quantities for Scenario 2 are shown in cubic feet of waste as follows:

Class A	4,133,459
Class B/C	2,288
GTCC	5,772

Waste disposal volumes and costs, itemized by packaging, transportation, surcharges and disposal costs by waste class and facility, are provided in [Appendix E](#).

7.0 REFERENCES

1. Atomic Industrial Forum, Inc., "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," AIF/NESP-036, May 1986.
2. U.S. Nuclear Regulatory Commission, "Standard Format and Content of Decommissioning Cost Estimates for Nuclear Power Reactors," Regulatory Guide 1.202, February 2005.
3. U.S. Nuclear Regulatory Commission, "Domestic Licensing of Production and Utilization Facilities," 10 CFR Part 50, 2008.
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9. Life-of-Plant Disposal Agreement, between EnergySolutions, LLC and FPL, dated February 4, 2025.
10. U.S. Nuclear Regulatory Commission, "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)," NUREG-1575, Rev. 1, August 2000.
11. U.S. Department of Energy, "Cost Estimating Guide," DOE G 430.1-1, March 1997.

APPENDIX A
FPL - ST. LUCIE - UNITS 1 & 2
Plant Structures and Systems

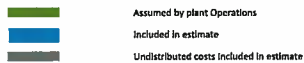
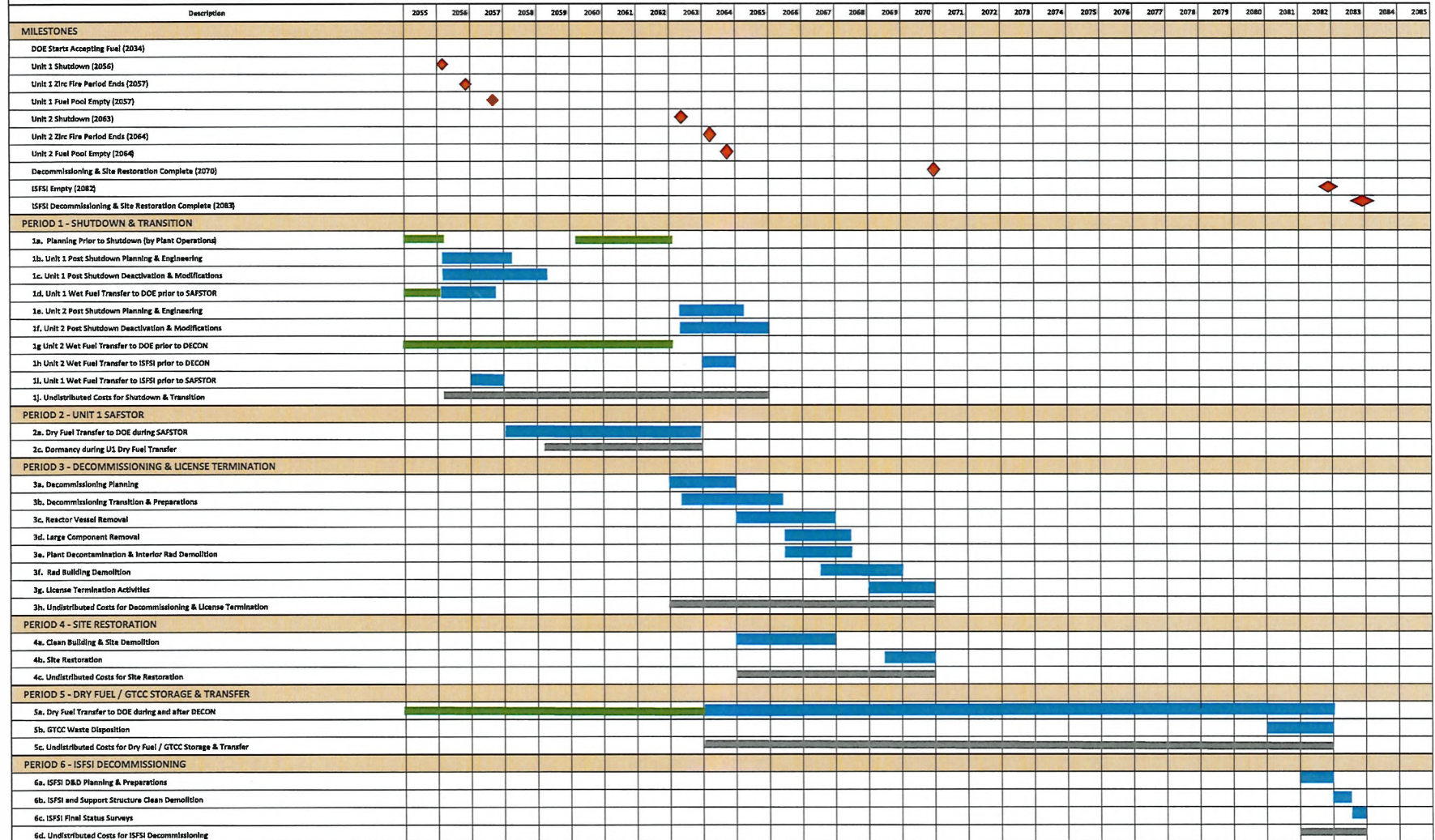
St. Lucie - Primary Plant Structures	
Unit 1	Unit 2
Reactor	Reactor
Intake & CWS	Intake & CWS
Primary Water Tank & Pump	Primary Water Tank & Pump
Auxiliary Building	Auxiliary Building
Refueling Water Storage Tank	Steam Generator Blowdown
Turbine & Turbine Pedestal	Turbine & Turbine Pedestal
Fuel Handling Building	Fuel Handling Building
Misc Structures	Misc. Structures

St. Lucie - Primary Plant Systems	
Unit 1	Unit 2
Air Evacuation	Air Evacuation
Auxiliary Steam	Auxiliary Steam
Bulk Gas Supply	Bulk Gas Supply
Chemical & Volume Control	Chemical & Volume Control
Chemical Feed	Chemical Feed
Circulating & Intake Cooling Water	Circulating & Intake Cooling Water
Component Cooling	Component Cooling
Condensate	Condensate
Condensate Polishing	
Condensate Recovery	Condensate Recovery
Condenser Tube Cleaning	Condenser Tube Cleaning
Containment Spray & Refueling Water	Containment Spray & Refueling Water
Demin Makeup Water	Demin Makeup Water
Domestic - Makeup - Service Water	Domestic - Makeup - Service Water
Emergency Diesel Generator	Emergency Diesel Generator
Extraction Steam	Extraction Steam
Feedwater	Feedwater
Fire Protection	Fire Protection
Fuel Pool	Fuel Pool
HVAC	HVAC
Heater Drain & Vent	Heater Drain & Vent
Main Steam	Main Steam
Neutralization Basin Recirc	
Primary Water	Primary Water
RCP Oil	RCP Oil
Radiation Monitoring	Radiation Monitoring
Reactor Coolant	Reactor Coolant
Safety Injection	Safety Injection
Sampling	Sampling
Secondary Side Wet Layup	Secondary Side Wet Layup
Service & Instrument Air	Service & Instrument Air
SG Blowdown Cooling	SG Blowdown Cooling
	SG Blowdown Treatment Facility
	Sodium Hypochlorite
Turbine Cooling Water	Turbine Cooling Water
Turbine Lube Oil & Diesel Oil	Turbine Lube Oil & Diesel Oil
Waste Management	Waste Management
Water Treatment	Water Treatment

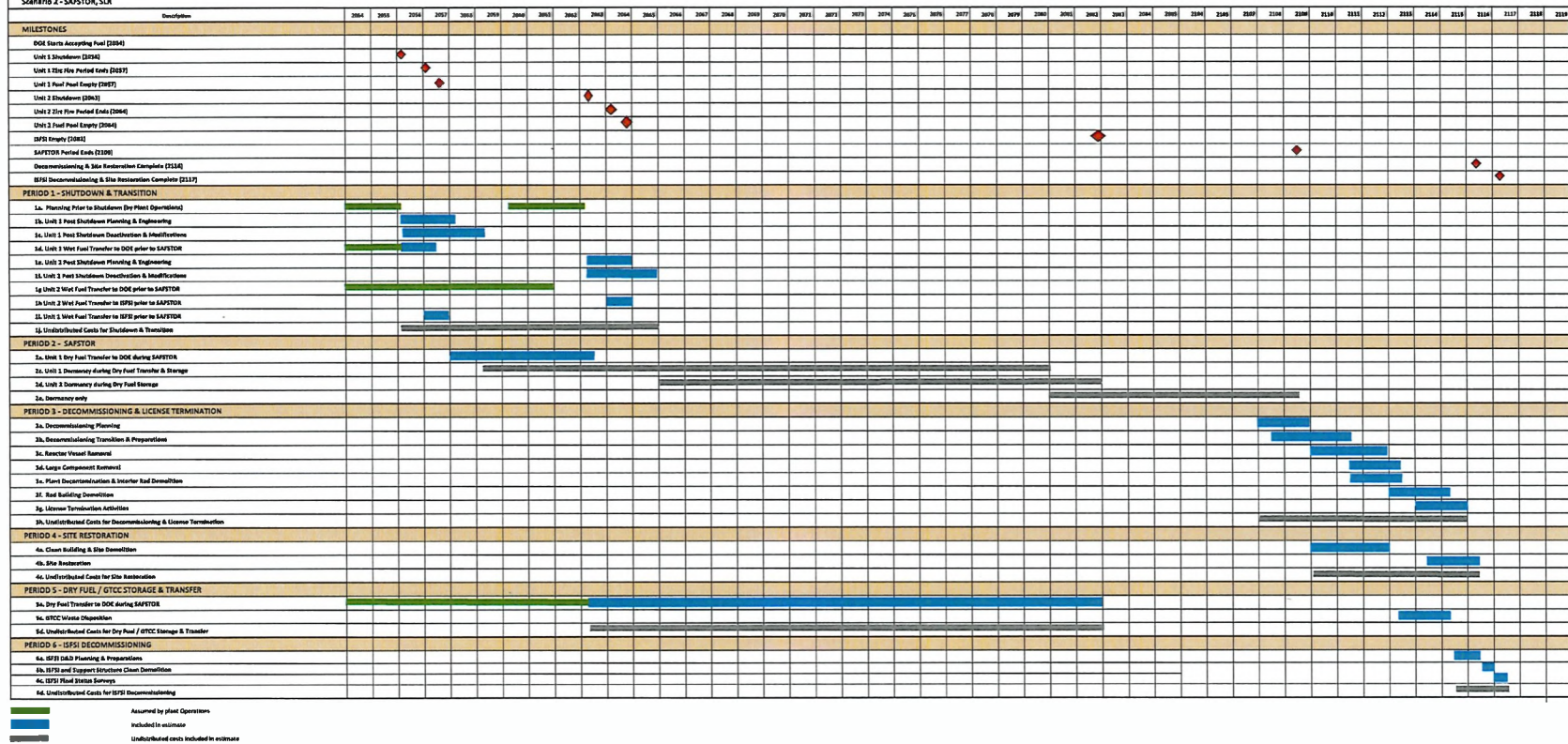
APPENDIX B-1

Florida Power and Light
St. Lucie Units 1 & 2

Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR



Florida Power and Light
St. Lucie Units 1 & 2
Scenario 2 - SAFSTON, SLN



Appendix C-1
Florida Power and Light
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
1a Total	Planning Prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-	-
	1b.1	Admin Activities in Preparation for SAFSTOR - Unit 1	2,940	96	-	-	455	3,491	3,491	-	-	-
	1b.2	Prepare PSDAR and License Documents - Unit 1	469	12	-	-	72	553	553	-	-	-
	1b.3	Engineering Activities in Preparation for SAFSTOR - Unit 1	1,236	40	-	-	191	1,468	1,468	-	-	-
1b Total	Unit 1 Post Shutdown Planning & Engineering		4,645	148	-	-	719	5,511	5,511	-	-	-
	1c.1	Defuel Reactor Unit 1 (by Plant Operations)	-	-	-	-	-	-	-	-	-	-
	1c.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-	-
	1c.3	Spent Fuel Pool System Modifications - Unit 1	11,540	2,349	-	-	2,083	15,972	-	15,972	-	-
	1c.4	Implement Cold & Dark - Unit 1	3,929	815	-	-	712	5,455	5,455	-	-	-
	1c.5	Flush and Drain Non-Essential Systems - Unit 1	577	7	-	-	88	671	671	-	-	-
	1c.6	Perform Pre-SAFSTOR Baseline Radiation Survey - Unit 1	1,416	51	-	-	220	1,686	759	927	-	-
1c Total	Unit 1 Post Shutdown Deactivation & Modifications		17,461	3,222	-	-	3,102	23,785	6,885	16,900	-	-
	1d.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-	-
	1d.2	Procure Spent Fuel Loading & Transfer Equipment	-	2,822	-	-	423	3,246	-	3,246	-	-
	1d.3	Procedures & Dry Runs	613	-	-	323	140	1,077	-	1,077	-	-
	1d.4	Remove (111) Fuel Assemblies from Pool & Load DOE Casks	538	134	-	-	134	806	-	806	-	-
	1d.5	Dry, Close & Inspect (3) DOE supplied Casks	269	67	-	-	67	403	-	403	-	-
	1d.6	Load Out (3) Casks to DOE Transport	269	67	-	-	67	403	-	403	-	-
	1d.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-	-
1d Total	Unit 1 Wet Fuel Transfer to DOE prior to SAFSTOR		1,689	3,091	-	323	833	5,935	-	5,935	-	-
1e Total	Unit 2 Post Shutdown Planning & Engineering		-	-	-	-	-	-	-	-	-	-
1f Total	Unit 2 Shutdown Preparations & Deactivation		-	-	-	-	-	-	-	-	-	-
1g Total	Unit 2 Wet Fuel Transfer to DOE prior to DECON		-	-	-	-	-	-	-	-	-	-
1h Total	Unit 2 Wet Fuel Transfer to ISFSI prior to DECON		-	-	-	-	-	-	-	-	-	-
	1i.1	Provide Transfer Casks (30)	-	34,222	-	-	5,133	39,355	-	39,355	-	-
	1i.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-	-
	1i.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-	-
	1i.4	Remove (1110) Fuel Assemblies from Pool & Load Casks	5,376	1,344	-	-	1,344	8,065	-	8,065	-	-
	1i.5	Dry, Close & Inspect (30)	2,688	672	-	-	672	4,032	-	4,032	-	-
	1i.6	Load Out (30) Casks to Transport	2,688	672	-	-	672	4,032	-	4,032	-	-
1i Total	Unit 1 Wet Fuel Transfer to ISFSI prior to SAFSTOR		11,164	36,910	-	216	7,916	56,206	-	56,206	-	-
	1j.1	Utility Staff	53,584	-	-	-	8,038	61,622	49,298	12,324	-	-
	1j.2	Security Guard Force	7,516	-	-	-	1,127	8,644	2,593	6,051	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	105	16	120	96	24	-	-
	1j.5	Insurance	-	-	-	7,754	1,163	8,918	7,134	1,784	-	-
	1j.6	Corporate Support	1,625	-	-	-	244	1,869	561	1,308	-	-
	1j.7	Utility Staff HP Supplies	-	1,036	-	-	155	1,192	357	834	-	-
	1j.8	NRC Inspection Fee	-	-	-	1,902	285	2,187	2,187	-	-	-
	1j.9	Licensing Fees	-	-	-	978	147	1,125	1,125	-	-	-
	1j.10	Materials and Services	-	2,281	-	-	342	2,624	787	1,837	-	-
	1j.11	Energy	-	-	-	1,166	175	1,341	1,073	268	-	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-	-
	1j.14	County Fees	-	-	-	1,835	275	2,111	1,688	422	-	-
	1j.15	FEMA Fees	-	-	-	966	145	1,111	889	222	-	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Operating Costs	-	495	-	-	74	569	-	569	-	-
	1j.18	Spent Fuel Maintenance	1,314	154	-	-	220	1,688	-	1,688	-	-
1j Total	Undistributed Costs for Shutdown & Transition		64,040	3,966	-	14,707	12,407	95,120	67,789	27,331	-	-
Period 1 Total			98,998	47,337	-	15,246	24,976	186,558	80,186	106,373	-	-
	2a.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-	-
	2a.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-	-
	2a.3	Procedures & Dry Runs	-	-	-	-	-	-	-	-	-	-
	2a.4	Remove (518) Fuel Assemblies from Pool & Load Casks	3,584	896	-	-	896	5,376	-	5,376	-	-
	2a.5	Dry, Close & Inspect (14)	1,792	448	-	-	448	2,688	-	2,688	-	-
	2a.6	Load Out (14) Casks to Transport	1,792	448	-	-	448	2,688	-	2,688	-	-
2a Total	Dry Fuel Transfer to DOE during SAFSTOR		7,169	1,792	-	-	1,792	10,753	-	10,753	-	-
	2c.1	Utility Staff	19,666	-	-	-	1,967	21,632	9,735	11,898	-	-
	2c.2	Security Guard Force	12,527	-	-	-	1,253	13,780	-	13,780	-	-
	2c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-	-
	2c.4	Property Taxes	-	-	-	175	17	192	86	106	-	-
	2c.5	Insurance	-	-	-	11,987	1,199	13,186	5,933	7,252	-	-
	2c.6	Corporate Support	3,221	-	-	-	322	3,543	1,594	1,949	-	-
	2c.7	Utility Staff HP Supplies	-	159	-	-	16	175	79	96	-	-
	2c.8	NRC Inspection Fee	-	-	-	1,014	101	1,116	502	614	-	-
	2c.9	Licensing Fees	-	-	-	1,630	163	1,793	1,793	-	-	-
	2c.10	County Fees	-	-	-	3,059	306	3,365	1,514	1,851	-	-
	2c.11	FEMA Fees	-	-	-	1,610	161	1,771	797	974	-	-
	2c.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-	-
	2c.13	NEI Fees	-	-	-	-	-	-	-	-	-	-
	2c.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	2c.15	Materials and Services	-	1,268	-	-	127	1,395	628	767	-	-
	2c.16	ISFSI Operating Costs	-	342	-	-	34	376	-	376	-	-
	2c.17	Energy	-	-	-	167	17	184	83	101	-	-
2c Total	Dormancy during U1 Dry Fuel Transfer		35,414	1,768	-	19,642	5,682	62,507	22,744	39,762	-	-
Period 2 Total			42,582	3,561	-	19,642	7,475	73,259	22,744	50,515	-	-
	3a.1	Decommissioning Planning and Design - Unit 1	1,832	55	-	-	283	2,170	2,170	-	-	-
	3a.2	Prepare Integrated Work Sequence and Schedule - Unit 1	198	6	-	-	31	234	234	-	-	-
	3a.3	Site Characterization - Unit 1	2,304	69	-	136	376	2,886	2,886	-	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 1	5,881	192	-	-	911	6,984	6,984	-	-	-
	3a.5	Prepare Detailed Work Procedures - Unit 1	5,168	168	-	-	801	6,137	6,137	-	-	-
	3a.6	Prepare License Termination Plan - Unit 1	1,184	-	-	862	307	2,352	2,352	-	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 1	224	-	-	-	34	258	258	-	-	-
	3a.8	Purchase Dry Storage Modules for Unit 1 GTCC Waste	-	-	8,849	-	1,327	10,176	10,176	-	-	-
3a Total	Decommissioning Planning		16,791	490	8,849	998	4,069	31,197	31,197	-	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	1,680	252	1,932	1,932	-	-	-
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 1	3,776	135	-	-	978	4,888	4,888	-	-	-
	3b.3	Implement Temporary Power Upgrades - Unit 1	1,116	1,211	-	-	349	2,676	2,676	-	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,227	657	-	-	583	4,466	4,466	-	-	-
	3b.5	Modify Containment Access - Unit 1	2,394	487	-	-	432	3,313	3,313	-	-	-
	3b.6	Transportation Infrastructure Modifications	100	577	-	2,699	507	3,883	3,883	-	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	2,247	337	2,584	2,584	-	-	-
3b Total	Decommissioning Transition and Preparations		10,613	3,068	-	6,626	3,437	23,743	23,743	-	-	-
	3c.1	Design and Procure Special Equipment	-	37,475	-	-	7,495	44,970	44,970	-	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,535	-	-	90	525	3,150	3,150	-	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 1	588	-	-	-	118	706	706	-	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 1	6,353	2,714	15,946	-	5,002	30,014	30,014	-	-	-
	3c.5	Package and Ship Reactor Pressure Vessel - Unit 1	1,506	1,331	-	-	567	3,404	3,404	-	-	-
3c Total	Reactor Vessel Removal		10,982	41,520	15,946	90	13,708	82,246	82,246	-	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-	-
	3d.2	Remove Steam Generators - Unit 1	1,532	210	-	-	348	2,091	2,091	-	-	-
	3d.3	Remove Pressurizer - Unit 1	211	28	-	-	48	286	286	-	-	-
	3d.4	Remove Reactor Coolant Pipe - Unit 1	567	45	-	-	122	734	734	-	-	-
	3d.5	Remove Reactor Coolant Pumps - Unit 1	581	77	-	-	132	789	789	-	-	-
	3d.6	Large Component Disposal	-	-	15,558	-	3,112	18,669	18,669	-	-	-
3d Total	Large Component Removal		2,890	4,552	15,558	-	4,600	27,600	27,600	-	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	74	25	-	-	20	119	119	-	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	231	25	-	-	51	308	308	-	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 1	1,107	168	-	-	255	1,530	1,530	-	-	-
	3e.4	Decon/Surgical Removal Fuel Building	571	27	-	-	120	717	717	-	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building Unit 1	3,379	371	-	-	750	4,501	4,501	-	-	-
	3e.6	Oversize Debris / Containerized Debris Disposal	-	-	4,398	-	880	5,278	5,278	-	-	-
3e Total	Plant Decontamination & Interior Rad Demolition		5,362	616	4,398	-	2,075	12,453	12,453	-	-	-
	3f.1	Demolish Fuel Building	277	695	-	-	194	1,166	1,166	-	-	-
	3f.2	Demolish Auxiliary Building	1,739	5,339	-	-	1,416	8,493	8,493	-	-	-
	3f.3	Demolish Unit 1 Containment Building	2,173	7,909	-	-	2,016	12,099	12,099	-	-	-
	3f.4	Contaminated Soil	741	1,282	69,927	-	14,390	86,339	86,339	-	-	-
	3f.5	Debris Disposal	-	-	118,903	-	23,781	142,683	142,683	-	-	-
3f Total	Rad Building Demolition		4,930	15,224	188,830	-	41,797	250,780	250,780	-	-	-
	3g.1	Final Status Survey for Structures	7,057	69	-	293	1,484	8,903	8,903	-	-	-
	3g.2	Final Status Survey for Land Areas (Included with Structures)	-	-	-	-	-	-	-	-	-	-
3g Total	License Termination Activities		7,057	69	-	293	1,484	8,903	8,903	-	-	-
	3h.1	Utility Staff	28,628	-	-	-	4,294	32,923	32,923	-	-	-
	3h.2	Security Guard Force	2,579	-	-	-	387	2,966	2,966	-	-	-
	3h.3	General Contractor Staff	67,973	-	-	-	10,196	78,169	78,169	-	-	-
	3h.4	Property Taxes	-	-	-	227	34	261	261	-	-	-
	3h.5	Insurance	-	-	-	4,174	626	4,800	4,800	-	-	-
	3h.6	Corporate Support	5,904	-	-	-	886	6,790	6,790	-	-	-
	3h.7	Utility Staff HP Supplies	-	6,694	-	-	1,004	7,698	7,698	-	-	-
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-	-
	3h.10	County Fees	-	-	-	-	-	-	-	-	-	-
	3h.11	FEMA Fees	-	-	-	-	-	-	-	-	-	-
	3h.12	Materials and Services	-	2,640	-	-	396	3,035	3,035	-	-	-
	3h.13	Energy	-	-	-	3,886	583	4,469	4,469	-	-	-
	3h.14	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-	-
	3h.15	Florida LLRW Inspection Fee	-	-	-	5,954	893	6,847	6,847	-	-	-
	3h.16	EPR Membership Fees	-	-	-	-	-	-	-	-	-	-
	3h.17	NEI Membership Fees	-	-	-	-	-	-	-	-	-	-
	3h.18	INPO Membership Fees	-	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		105,085	15,965	-	17,411	20,769	159,229	159,229	-	-	-
Period 3 Total			163,710	81,504	233,580	25,418	91,939	596,152	596,152	-	-	-
	4a.1	Demo Turbine Pedastal and Turbine Deck	3,882	1,779	-	-	849	6,510	-	-	6,510	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	4a.2	Demo Intake & CWS	1,990	1,530	-	-	528	4,048	-	-	4,048	-
	4a.3	Demo Tank Foundations	12	297	-	-	46	355	-	-	355	-
	4a.4	Demo Misc Site Structures	1,560	1,483	-	-	456	3,499	-	-	3,499	-
	4a.5	Security Improvements	600	593	-	-	179	1,372	-	-	1,372	-
	4a.6	Clean Concrete Processing	-	-	-	2,167	325	2,492	-	-	2,492	-
	4a.7	Demo Site Paving	379	1,022	-	-	210	1,611	-	-	1,611	-
	4a.8	Clean Debris Disposal / Recycle	-	-	173	-	26	199	-	-	199	-
4a Total	Clean Building & Site Demolition		8,423	6,703	173	2,167	2,620	20,086	-	-	20,086	-
	4b.1	Procure Site Restoration Equipment	-	950	-	-	143	1,093	-	-	1,093	-
	4b.2	Finish Grading and Re-Vegetate Site	773	-	-	-	116	889	-	-	889	-
4b Total	Site Restoration		773	950	-	-	258	1,981	-	-	1,981	-
	4c.1	Utility Staff	2,155	-	-	-	323	2,478	-	-	2,478	-
	4c.2	Security Guard Force	194	-	-	-	29	223	-	-	223	-
	4c.3	General Contractor Staff	5,116	-	-	-	767	5,884	-	-	5,884	-
	4c.4	Property Taxes	-	-	-	17	3	20	-	-	20	-
	4c.5	Insurance	-	-	-	314	47	361	-	-	361	-
	4c.6	Corporate Support	444	-	-	-	67	511	-	-	511	-
	4c.7	Energy	-	-	-	292	44	336	-	-	336	-
	4c.8	Materials and Services	-	199	-	-	30	228	-	-	228	-
	4c.9	County Fees	-	-	-	-	-	-	-	-	-	-
	4c.10	FEMA Fees	-	-	-	-	-	-	-	-	-	-
4c Total	Undistributed Costs for Site Restoration		7,910	199	-	624	1,310	10,042	-	-	10,042	-
Period 4 Total			17,105	7,852	173	2,791	4,188	32,109	-	-	32,109	-
	5a.1	Procure Loading & Transfer Equipment (included in Period 1)	-	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (included in Period 1)	-	-	-	-	-	-	-	-	-	-
	5a.3	Remove (79) Fuel Casks from ISFSI & Load DOE Transport	7,079	1,770	-	-	1,327	10,176	-	10,176	-	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-	-
5a Total	Dry Fuel Transfer to DOE during and after DECON		7,079	1,770	-	-	1,327	10,176	-	10,176	-	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	538	-	-	134	134	806	806	-	-	-
	5b.2	GTCC Transportation & Disposal	-	-	20,611	-	3,092	23,702	23,702	-	-	-
5b Total	GTCC Waste Disposition		538	-	20,611	134	3,226	24,509	24,509	-	-	-
	5c.1	Utility Staff	7,651	-	-	-	1,148	8,799	-	8,799	-	-
	5c.2	Security Guard Force	38,836	-	-	-	5,825	44,661	-	44,661	-	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	419	63	482	-	482	-	-
	5c.5	Insurance	-	-	-	4,914	737	5,651	-	5,651	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	5c.6	NRC Inspection Fee	-	-	-	1,522	228	1,750	-	1,750	-	-
	5c.7	Licensing Fees	-	-	-	3,912	587	4,499	-	4,499	-	-
	5c.8	County Fees	-	-	-	21	3	25	-	25	-	-
	5c.9	FEMA Fees	-	-	-	11	2	13	-	13	-	-
	5c.10	ISFSI Operating Costs	-	-	-	1,425	214	1,638	-	1,638	-	-
5c Total	Undistributed Costs for Dry Fuel / GTCC Storage & Transfer		46,487	-	-	12,224	8,807	67,518	-	67,518	-	-
Period 5 Total			54,103	1,770	20,611	12,359	13,360	102,202	24,509	77,694	-	-
	6a.1	Preparation and NRC Review of License Termination Plan	82	-	-	124	31	237	-	237	-	-
6a Total	ISFSI D&D Planning & Preparations		82	-	-	124	31	237	-	237	-	-
	6b.1	Clean Demolition of ISFSI	2,212	1,237	-	-	517	3,967	-	3,967	-	-
	6b.2	Demolition of ISFSI Support Structures	403	182	-	-	88	672	-	672	-	-
	6b.3		-	-	-	-	-	-	-	-	-	-
6b Total	ISFSI and Support Structure Clean Demolition		2,614	1,420	-	-	605	4,639	-	4,639	-	-
	6c.1	Verification Surveys	150	42	-	-	29	221	-	221	-	-
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	82	-	-	-	12	95	-	95	-	-
6c Total	ISFSI Final Status Surveys		232	42	-	-	41	316	-	316	-	-
	6d.1	Utility Staff	370	-	-	-	55	425	-	425	-	-
	6d.2	Security Guard Force	232	-	-	-	35	267	-	267	-	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-	-
	6d.4	Property Taxes	-	-	-	35	5	40	-	40	-	-
	6d.5	Insurance	-	-	-	25	4	29	-	29	-	-
	6d.6	Energy	-	-	-	43	6	49	-	49	-	-
	6d.7	County Fees	-	-	-	-	-	-	-	-	-	-
	6d.8	FEMA Fees	-	-	-	-	-	-	-	-	-	-
6d Total	Undistributed Costs for ISFSI Decommissioning		3,014	-	-	103	467	3,584	-	3,584	-	-
Period 6 Total			5,943	1,462	-	227	1,145	8,776	-	8,776	-	-
GRAND TOTAL			382,442	143,486	254,364	75,682	143,083	999,057	723,590	243,358	32,109	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 2
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
1a Total	Planning Prior to Shutdown (by Plant Operations)											
1b Total	Unit 1 Post Shutdown Planning & Engineering											
1c Total	Unit 1 Post Shutdown Deactivation & Modifications											
1d Total	Unit 1 Wet Fuel Transfer to DOE prior to SAFSTOR		-	-	-	-	-	-	-	-	-	-
	1e.1	Admin Activities in Preparation for Decommissioning - Unit 2	964	30	-	-	149	1,143	1,143	-	-	-
	1e.2	Preparation of PSDAR and Licensing Documents - Unit 2	219	7	-	-	34	260	260	-	-	-
	1e.3	Engineering Activities in Preparation for Decommissioning - Unit 2	715	23	-	-	111	850	850	-	-	-
1e Total	Unit 2 Post Shutdown Planning & Engineering		1,898	61	-	-	294	2,252	2,252	-	-	-
	1f.1	Defuel Reactor Unit 2 (by Plant Operations)	-	-	-	-	-	-	-	-	-	-
	1f.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-	-
	1f.3	Spent Fuel Pool System Modifications - Unit 2	7,693	1,566	-	-	1,389	10,648	-	10,648	-	-
1f Total	Unit 2 Shutdown Preparations & Deactivation		7,693	1,566	-	-	1,389	10,648	-	10,648	-	-
1g Total	Unit 2 Wet Fuel Transfer to DOE prior to DECON		-	-	-	-	-	-	-	-	-	-
	1h.1	Provide Transfer Casks (22)	-	25,096	-	-	3,764	28,861	-	28,861	-	-
	1h.2	Procure Spent Fuel Loading & Transfer Equipment	-	1,891	-	-	284	2,175	-	2,175	-	-
	1h.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-	-
	1h.4	Remove (805) Fuel Assemblies from Pool & Load Casks	3,943	986	-	-	986	5,914	-	5,914	-	-
	1h.5	Dry, Close & Inspect (22)	1,971	493	-	-	493	2,957	-	2,957	-	-
	1h.6	Load Out (22) Casks to Transport	1,971	493	-	-	493	2,957	-	2,957	-	-
	1h.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-	-
1h Total	Unit 2 Wet Fuel Transfer to ISFSI prior to DECON		8,296	28,958	-	216	6,114	43,585	-	43,585	-	-
	1j.1	Utility Staff	53,584	-	-	-	8,038	61,622	49,298	12,324	-	-
	1j.2	Security Guard Force	47,252	-	-	-	7,088	54,340	16,302	38,038	-	-
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	70	10	80	64	16	-	-
	1j.5	Insurance	-	-	-	3,295	494	3,789	3,032	758	-	-
	1j.6	Corporate Support	792	-	-	-	119	911	273	637	-	-
	1j.7	Utility Staff HP Supplies	-	382	-	-	57	439	132	307	-	-
	1j.8	NRC Inspection Fee	-	-	-	1,268	190	1,458	1,458	-	-	-
	1j.9	Licensing Fees	-	-	-	652	98	750	750	-	-	-
	1j.10	Materials and Services	-	681	-	-	102	783	235	548	-	-
	1j.11	Energy	-	-	-	626	94	720	576	144	-	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 2
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	1j.14	County Fees	-	-	-	1,223	184	1,407	1,126	281	-	-
	1j.15	FEMA Fees	-	-	-	644	97	741	593	148	-	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Operating Costs	-	51	-	-	8	58	-	58	-	-
	1j.18	Spent Fuel Maintenance	705	82	-	-	118	905	-	905	-	-
1j Total	Undistributed Costs for Shutdown & Transition		102,333	1,196	-	7,778	16,696	128,003	73,837	54,166	-	-
Period 1 Total	SHUTDOWN & TRANSITION		120,220	31,781	-	7,995	24,492	184,488	76,089	108,399	-	-
Period 2 Total	SAFSTOR		-	-	-	-	-	-	-	-	-	-
	3a.1	Decommissioning Planning and Design - Unit 2	1,832	55	-	-	283	2,170	2,170	-	-	-
	3a.2	Site Characterization - Unit 2	1,728	69	-	136	290	2,223	2,223	-	-	-
	3a.3	Prepare Integrated Work Sequence and Schedule - Unit 2	198	6	-	-	31	234	234	-	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 2	2,645	86	-	-	410	3,141	3,141	-	-	-
	3a.5	Prepare License Termination Plan - Unit 2	1,184	-	-	862	307	2,352	2,352	-	-	-
	3a.6	Prepare Detailed Work Procedures for Decommissioning - Unit 2	2,144	70	-	-	332	2,546	2,546	-	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 2	97	-	-	-	14	111	111	-	-	-
	3a.8	Purchase Dry Storage Modules for Unit 2 GTCC Waste	-	-	8,849	-	1,327	10,176	10,176	-	-	-
3a Total	Decommissioning Planning		9,826	286	8,849	998	2,994	22,953	22,953	-	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	1,680	252	1,932	1,932	-	-	-
	3b.2	Flush and Drain Non-Essential Systems - Unit 2	577	7	-	-	88	671	671	-	-	-
	3b.3	Perform Asbestos Abatement of Pipe Insulation - Unit 2	-	-	-	-	-	-	-	-	-	-
	3b.4	Implement Cold and Dark & Install Temporary Power - Unit 2	5,045	2,026	-	-	1,061	8,132	8,132	-	-	-
	3b.5	Construct Misc Building Modifications, In-Plant Laydown Areas	3,227	657	-	-	583	4,466	4,466	-	-	-
	3b.6	Modify Containment Access - Unit 2	2,394	487	-	-	432	3,313	3,313	-	-	-
	3b.7	Transportation Infrastructure Modifications	67	385	-	1,800	338	2,589	2,589	-	-	-
	3b.8	Procure Waste Handling & Processing Tents	-	-	-	1,907	286	2,193	2,193	-	-	-
3b Total	Decommissioning Transition and Preparations		11,309	3,562	-	5,386	3,039	23,296	23,296	-	-	-
	3c.1	Design and Procure Special Equipment	-	34,955	-	-	6,991	41,947	41,947	-	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,154	-	-	90	449	2,694	2,694	-	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 2	500	-	-	-	100	600	600	-	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 2	6,353	2,714	15,404	-	4,894	29,364	29,364	-	-	-
	3c.5	Package and Ship Reactor Pressure Vessel - Unit 2	1,506	1,331	-	-	567	3,404	3,404	-	-	-
3c Total	Reactor Vessel Removal		10,513	39,000	15,404	90	13,001	78,009	78,009	-	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 2	1,391	210	-	-	320	1,922	1,922	-	-	-
	3d.3	Remove and Dispose of Pressurizer - Unit 2	192	28	-	-	44	264	264	-	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 2	529	45	-	-	115	689	689	-	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 2	530	77	-	-	121	728	728	-	-	-
	3d.6	Large Component Disposal	-	-	15,223	-	3,045	18,268	18,268	-	-	-
3d Total	Large Component Removal		2,642	4,552	15,223	-	4,484	26,901	26,901	-	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 2
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	74	22	-	-	19	115	115	-	-	-
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	231	69	-	-	60	361	361	-	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 2	1,194	168	-	-	272	1,634	1,634	-	-	-
	3e.4	Decon/Surgical Removal Fuel Building - Unit 2	607	27	-	-	127	760	760	-	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building Unit 2	3,379	371	-	-	750	4,501	4,501	-	-	-
	3e.6	Oversize Debris / Containerized / Processed Debris Disposal	-	-	4,451	-	890	5,341	5,341	-	-	-
3e Total	Plant Decontamination & Interior Rad Demolition		5,485	657	4,451	-	2,119	12,711	12,711	-	-	-
	3f.1	Demolish Fuel Building	277	695	-	-	194	1,166	1,166	-	-	-
	3f.2	Demolish Auxiliary Building	1,739	5,339	-	-	1,416	8,493	8,493	-	-	-
	3f.3	Demolish Unit 2 Containment Building	2,173	7,909	-	-	2,016	12,099	12,099	-	-	-
	3f.4	Contaminated Soil	688	1,191	64,525	-	13,281	79,685	79,685	-	-	-
	3f.5	Debris Disposal	-	-	119,239	-	23,848	143,087	143,087	-	-	-
3f Total	Rad Building Demolition		4,878	15,133	183,764	-	40,755	244,530	244,530	-	-	-
	3g.1	Final Status Survey for Structures	7,057	69	-	293	1,484	8,903	8,903	-	-	-
	3g.2	Final Status Survey for Land Areas (included with Structures)	-	-	-	-	-	-	-	-	-	-
3g Total	License Termination Activities		7,057	69	-	293	1,484	8,903	8,903	-	-	-
	3h.1	Utility Staff	28,628	-	-	-	4,294	32,923	32,923	-	-	-
	3h.2	Security Guard Force	2,579	-	-	-	387	2,966	2,966	-	-	-
	3h.3	General Contractor Staff	67,973	-	-	-	10,196	78,169	78,169	-	-	-
	3h.4	Property Taxes	-	-	-	195	29	224	224	-	-	-
	3h.5	Insurance	-	-	-	4,174	626	4,800	4,800	-	-	-
	3h.6	Corporate Support	5,181	-	-	-	777	5,958	5,958	-	-	-
	3h.7	Utility Staff HP Supplies	-	8,629	-	-	1,294	9,923	9,923	-	-	-
	3h.8	NRC Inspection Fee	-	-	-	761	114	875	875	-	-	-
	3h.9	Licensing Fees	-	-	-	1,956	293	2,249	2,249	-	-	-
	3h.10	County Fees	-	-	-	-	-	-	-	-	-	-
	3h.11	FEMA Fees	-	-	-	-	-	-	-	-	-	-
	3h.12	Materials and Services	-	2,260	-	-	339	2,599	2,599	-	-	-
	3h.13	Energy	-	-	-	3,966	595	4,561	4,561	-	-	-
	3h.14	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-	-
	3h.15	Florida LLRW Inspection Fee	-	-	-	5,765	865	6,630	6,630	-	-	-
	3h.16	EPRI Membership Fees	-	-	-	-	-	-	-	-	-	-
	3h.17	NEI Membership Fees	-	-	-	-	-	-	-	-	-	-
	3h.18	INPO Membership Fees	-	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		104,361	17,521	-	16,817	20,805	159,504	159,504	-	-	-
Period 3 Total	DECOMMISSIONING & LICENSE TERMINATION		156,072	80,781	227,690	23,584	88,680	576,808	576,808	-	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	4,048	1,779	-	-	874	6,701	-	-	6,701	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 2
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	4a.2	Demo Intake & CWS	2,049	1,576	-	-	544	4,169	-	-	4,169	-
	4a.3	Demo Primary Water Tank Foundation	12	119	-	-	20	150	-	-	150	-
	4a.4	Demo Misc Site Structures	6,491	1,483	-	-	1,196	9,170	-	-	9,170	-
	4a.5	Demo Security Improvements	600	593	-	-	179	1,372	-	-	1,372	-
	4a.6	Demo Steam Generator Blowdown Treatment	655	178	-	-	125	958	-	-	958	-
	4a.7	Clean Concrete Processing	-	-	-	3,137	471	3,608	-	-	3,608	-
	4a.8	Demo Site Paving	379	1,022	-	-	210	1,611	-	-	1,611	-
	4a.9	Clean Debris Disposal / Recycle	-	-	175	-	26	201	-	-	201	-
4a Total	Clean Building & Site Demolition		14,236	6,749	175	3,137	3,644	27,941	-	-	27,941	-
	4b.1	Procure Site Restoration Equipment	-	634	-	-	95	729	-	-	729	-
	4b.2	Finish Grading and Re-Vegetate Site	515	33	-	-	82	631	-	-	631	-
4b Total	Site Restoration		515	667	-	-	177	1,359	-	-	1,359	-
	4c.1	Utility Staff	2,155	-	-	-	323	2,478	-	-	2,478	-
	4c.2	Security Guard Force	194	-	-	-	29	223	-	-	223	-
	4c.3	General Contractor Staff	5,116	-	-	-	767	5,884	-	-	5,884	-
	4c.4	Property Taxes	-	-	-	15	2	17	-	-	17	-
	4c.5	Insurance	-	-	-	314	47	361	-	-	361	-
	4c.6	Corporate Support	390	-	-	-	58	448	-	-	448	-
	4c.7	Energy	-	-	-	299	45	343	-	-	343	-
	4c.8	Materials and Services	-	170	-	-	26	196	-	-	196	-
	4c.9	County Fees	-	-	-	-	-	-	-	-	-	-
	4c.10	FEMA Fees	-	-	-	-	-	-	-	-	-	-
4c Total	Undistributed Costs for Site Restoration		7,855	170	-	627	1,298	9,951	-	-	9,951	-
Period 4 Total	SITE RESTORATION		22,606	7,586	175	3,765	5,120	39,251	-	-	39,251	-
	5a.1	Procure Loading & Transfer Equipment (included in Period 1)	-	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (included in Period 1)	-	-	-	-	-	-	-	-	-	-
	5a.3	Remove (47) Fuel Casks from ISFSI & Load DOE Transport	4,190	1,047	-	-	786	6,023	-	6,023	-	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-	-
	5a.5	-	-	-	-	-	-	-	-	-	-	-
5a Total	Dry Fuel Transfer to DOE during and after DECON		4,190	1,047	-	-	786	6,023	-	6,023	-	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	538	-	-	134	134	806	806	-	-	-
	5b.2	GTCC Transportation & Disposal	-	-	20,611	-	3,092	23,702	23,702	-	-	-
	5b.3	-	-	-	-	-	-	-	-	-	-	-
5b Total	GTCC Waste Disposition		538	-	20,611	134	3,226	24,509	24,509	-	-	-
	5c.1	Utility Staff	7,651	-	-	-	1,148	8,799	-	8,799	-	-
	5c.2	Security Guard Force	38,836	-	-	-	5,825	44,661	-	44,661	-	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	419	63	482	-	482	-	-
	5c.5	Insurance	-	-	-	4,914	737	5,651	-	5,651	-	-
	5c.6	NRC Inspection Fee	-	-	-	1,522	228	1,750	-	1,750	-	-

Appendix C-1
Florida Power and Light
St. Lucie Unit 2
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration	ISFSI D&D 72.30
	5c.7	Licensing Fees	-	-	-	3,912	587	4,499	-	4,499	-	-
	5c.8	County Fees	-	-	-	21	3	25	-	25	-	-
	5c.9	FEMA Fees	-	-	-	11	2	13	-	13	-	-
	5c.10	ISFSI Maintenance	-	-	-	1,501	225	1,727	-	1,727	-	-
5c Total	Undistributed Costs for Dry Fuel / GTCC Storage & Transfer		46,487	-	-	12,301	8,818	67,606	-	67,606	-	-
Period 5 Total	DRY FUEL / GTCC STORAGE & TRANSFER		51,214	1,047	20,611	12,435	12,830	98,137	24,509	73,629	-	-
	6a.1	Preparation and NRC Review of License Termination Plan	55	-	-	83	21	158	-	158	-	-
6a Total	ISFSI D&D Planning & Preparations		55	-	-	83	21	158	-	158	-	-
	6b.1	Clean Demolition of ISFSI	1,474	825	-	-	345	2,644	-	2,644	-	-
	6b.2	Demolition of ISFSI Support Structures	268	121	-	-	58	448	-	448	-	-
6b Total	ISFSI and Support Structure Clean Demolition		1,743	946	-	-	403	3,093	-	3,093	-	-
	6c.1	Verification Surveys	100	28	-	-	19	147	-	147	-	-
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	55	-	-	-	8	63	-	63	-	-
6c Total	ISFSI Final Status Surveys		155	28	-	-	27	210	-	210	-	-
	6d.1	Utility Staff	370	-	-	-	55	425	-	425	-	-
	6d.2	Security Guard Force	232	-	-	-	35	267	-	267	-	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-	-
	6d.4	Property Taxes	-	-	-	35	5	40	-	40	-	-
	6d.5	Insurance	-	-	-	25	4	29	-	29	-	-
	6d.6	Energy	-	-	-	43	6	49	-	49	-	-
	6d.7	County Fees	-	-	-	-	-	-	-	-	-	-
	6d.8	FEMA Fees	-	-	-	-	-	-	-	-	-	-
6d Total	Undistributed Costs for ISFSI Decommissioning		3,014	-	-	103	467	3,584	-	3,584	-	-
Period 6 Total	ISFSI DECOMMISSIONING		4,967	975	-	185	919	7,045	-	7,045	-	-
GRAND TOTAL			355,079	122,170	248,476	47,964	132,040	905,730	677,406	189,073	39,251	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
1a Total	Planning Prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-
	1b.1	Admin Activities in Preparation for SAFSTOR - Unit 1	2,940	96	-	-	455	3,491	3,491	-	-
	1b.2	Prepare PSDAR and License Documents - Unit 1	513	17	-	-	79	609	609	-	-
	1b.3	Engineering Activities in Preparation for SAFSTOR - Unit 1	2,891	94	-	-	448	3,432	3,432	-	-
1b Total	Unit 1 Post Shutdown Planning & Engineering		6,343	207	-	-	982	7,532	7,532	-	-
	1c.1	Defuel Reactor Unit 1 (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1c.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1c.3	Spent Fuel Pool System Modifications - Unit 1	11,540	2,349	-	-	2,083	15,972	-	15,972	-
	1c.4	Implement Cold & Dark - Unit 1	3,929	815	-	-	712	5,455	5,455	-	-
	1c.5	Flush and Drain Non-Essential Systems - Unit 1	577	17	-	-	89	683	683	-	-
	1c.6	Perform Pre-SAFSTOR Baseline Radiation Survey - Unit 1	1,484	48	-	-	230	1,763	793	969	-
1c Total	Unit 1 Post Shutdown Deactivation & Modifications		17,530	3,229	-	-	3,114	23,873	6,931	16,942	-
	1d.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-
	1d.2	Procure Spent Fuel Loading & Transfer Equipment	-	2,822	-	-	423	3,246	-	3,246	-
	1d.3	Procedures & Dry Runs	613	-	-	323	140	1,077	-	1,077	-
	1d.4	Remove (111) Fuel Assemblies from Pool & Load DOE Casks	538	134	-	-	134	806	-	806	-
	1d.5	Dry, Close & Inspect (3) DOE supplied Casks	269	67	-	-	67	403	-	403	-
	1d.6	Load Out (3) Casks to DOE Transport	269	67	-	-	67	403	-	403	-
	1d.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1d Total	Unit 1 Wet Fuel Transfer to DOE prior to SAFSTOR		1,689	3,091	-	323	833	5,935	-	5,935	-
1e Total	Unit 2 Post Shutdown Planning & Engineering		-	-	-	-	-	-	-	-	-
1f Total	Unit 2 Shutdown Preparations & Deactivation		-	-	-	-	-	-	-	-	-
1g Total	Unit 2 Wet Fuel Transfer to DOE prior to SAFSTOR		-	-	-	-	-	-	-	-	-
1h Total	Unit 2 Wet Fuel Transfer to ISFSI prior to SAFSTOR		-	-	-	-	-	-	-	-	-
	1i.1	Provide Transfer Casks (30)	-	34,222	-	-	5,133	39,355	-	39,355	-
	1i.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-
	1i.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-
	1i.4	Remove (1110) Fuel Assemblies from Pool & Load Casks	5,376	1,344	-	-	1,344	8,065	-	8,065	-
	1i.5	Dry, Close & Inspect (30)	2,688	672	-	-	672	4,032	-	4,032	-
	1i.6	Load Out (30) Casks to Transport	2,688	672	-	-	672	4,032	-	4,032	-
	1i.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1i Total	Unit Wet Fuel Transfer to ISFSI prior to SAFSTOR		11,164	36,910	-	216	7,916	56,206	-	56,206	-
	1j.1	Utility Staff	53,584	-	-	-	8,038	61,622	49,298	12,324	-
	1j.2	Security Guard Force	7,024	-	-	-	1,054	8,078	2,423	5,655	-
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	105	16	120	96	24	-
	1j.5	Insurance	-	-	-	7,754	1,163	8,918	7,134	1,784	-
	1j.6	Corporate Support	1,476	-	-	-	221	1,697	509	1,188	-
	1j.7	Utility Staff HP Supplies	-	1,036	-	-	155	1,192	357	834	-
	1j.8	NRC Inspection Fee	-	-	-	1,902	285	2,187	2,187	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	1j.9	Licensing Fees	-	-	-	978	147	1,125	1,125	-	-
	1j.10	Materials and Services	-	2,281	-	-	342	2,624	787	1,837	-
	1j.11	Energy	-	-	-	1,166	175	1,341	1,073	268	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.14	County Fees	-	-	-	1,835	275	2,111	1,688	422	-
	1j.15	FEMA Fees	-	-	-	966	145	1,111	889	222	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Operating Costs	-	78	-	-	12	90	-	90	-
	1j.18	Spent Fuel Maintenance	1,314	154	-	-	220	1,688	-	1,688	-
1j Total	Undistributed Costs for Shutdown & Transition		63,398	3,550	-	14,707	12,248	93,903	67,567	26,335	-
Period 1 Total	SHUTDOWN & TRANSITION		100,123	46,987	-	15,246	25,093	187,449	82,031	105,419	-
	2a.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-
	2a.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-
	2a.3	Procedures & Dry Runs	-	-	-	-	-	-	-	-	-
	2a.4	Remove (518) Fuel Assemblies from Pool & Load Casks	3,584	896	-	-	896	5,376	-	5,376	-
	2a.5	Dry, Close & Inspect (14)	1,792	448	-	-	448	2,688	-	2,688	-
	2a.6	Load Out (14) Casks to Transport	1,792	448	-	-	448	2,688	-	2,688	-
	2a.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
2a Total	Unit 1 Dry Fuel Transfer to DOE during SAFSTOR		7,169	1,792	-	-	1,792	10,753	-	10,753	-
2b Total	Unit 1 Wet Fuel Transfer to DOE during SAFSTOR		-	-	-	-	-	-	-	-	-
	2c.1	Utility Staff	28,475	-	-	-	2,847	31,322	14,095	17,227	-
	2c.2	Security Guard Force	17,106	-	-	-	1,711	18,817	-	18,817	-
	2c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2c.4	Property Taxes	-	-	-	733	73	807	363	444	-
	2c.5	Insurance	-	-	-	22,663	2,266	24,929	11,218	13,711	-
	2c.6	Corporate Support	7,602	-	-	-	760	8,362	3,763	4,599	-
	2c.7	Utility Staff HP Supplies	-	2,427	-	-	243	2,670	1,201	1,468	-
	2c.8	NRC Inspection Fee	-	-	-	2,790	279	3,069	1,381	1,688	-
	2c.9	Licensing Fees	-	-	-	1,956	196	2,152	968	1,183	-
	2c.10	County Fees	-	-	-	3,670	367	4,037	1,817	2,221	-
	2c.11	FEMA Fees	-	-	-	1,932	193	2,126	957	1,169	-
	2c.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2c.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2c.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2c.15	Materials and Services	-	4,828	-	-	483	5,310	2,390	2,921	-
	2c.16	Roof Replacement	-	36	-	-	4	40	18	22	-
	2c.17	Energy	-	-	-	2,316	232	2,547	1,146	1,401	-
2c Total	Unit 1 Dormancy during Dry Fuel Transfer & Storage		53,183	7,291	-	36,060	9,653	106,187	39,317	66,870	-
2d Total	Unit 2 Dormancy during Dry Fuel Storage		-	-	-	-	-	-	-	-	-
	2e.1	Utility Staff	13,445	-	-	-	1,345	14,790	14,790	-	-
	2e.2	Security Guard Force	8,240	-	-	-	824	9,064	9,064	-	-
	2e.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2e.4	Property Taxes	-	-	-	1,013	101	1,114	1,114	-	-
	2e.5	Insurance	-	-	-	10,835	1,084	11,919	11,919	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	2e.6	Corporate Support	5,313	-	-	-	531	5,845	5,845	-	-
	2e.7	Utility Staff HP Supplies	-	2,050	-	-	205	2,255	2,255	-	-
	2e.8	NRC Inspection Fee	-	-	-	3,677	368	4,045	4,045	-	-
	2e.9	Licensing Fees	-	-	-	14,670	1,467	16,137	16,137	-	-
	2e.10	County Fees	-	-	-	-	-	-	-	-	-
	2e.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	2e.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2e.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2e.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2e.15	Materials and Services	-	4,859	-	-	486	5,344	5,344	-	-
	2e.16	Roof Replacement	-	37	-	-	4	40	40	-	-
	2e.17	Energy	-	-	-	2,100	210	2,310	2,310	-	-
2e Total	Dormancy only		26,999	6,945	-	32,296	6,624	72,864	72,864	-	-
Period 2 Total	SAFSTOR		87,350	16,028	-	68,356	18,069	189,803	112,180	77,623	-
	3a.1	Decommissioning Planning and Design - Unit 1	1,832	58	-	-	283	2,173	2,173	-	-
	3a.2	Prepare Integrated Work Sequence and Schedule - Unit 1	198	6	-	-	31	234	234	-	-
	3a.3	Planning and Design of Site Characterization - Unit 1	2,304	69	-	136	376	2,886	2,886	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 1	6,184	201	-	-	958	7,344	7,344	-	-
	3a.5	Prepare Detailed Work Procedures - Unit 1	5,014	163	-	-	777	5,954	5,954	-	-
	3a.6	Prepare License Termination Plan - Unit 1	1,184	20	-	862	310	2,375	2,375	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 1	224	-	-	-	34	258	258	-	-
	3a.8	Purchase Dry Storage Modules for Unit 1 GTCC Waste	-	-	8,849	-	1,327	10,176	10,176	-	-
3a Total	Decommissioning Planning		16,939	518	8,849	998	4,096	31,400	31,400	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	1,680	252	1,932	1,932	-	-
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 1	3,776	135	-	-	978	4,888	4,888	-	-
	3b.3	Implement Temporary Power Upgrades - Unit 1	1,116	1,211	-	-	349	2,676	2,676	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,227	657	-	-	583	4,466	4,466	-	-
	3b.5	Modify Containment Access - Unit 1	2,394	487	-	-	432	3,313	3,313	-	-
	3b.6	Transportation Infrastructure Modifications	100	577	-	2,699	507	3,883	3,883	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	2,247	337	2,584	2,584	-	-
3b Total	Decommissioning Transition and Preparations		10,613	3,068	-	6,626	3,437	23,743	23,743	-	-
	3c.1	Design and Procure Special Equipment	-	37,475	-	-	7,495	44,970	44,970	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,535	-	-	90	525	3,150	3,150	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 1	588	-	-	-	118	706	706	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 1	6,353	2,714	11,244	-	4,062	24,373	24,373	-	-
	3c.5	Segment, Package and Ship RPV - Unit 1	1,506	1,331	-	-	567	3,404	3,404	-	-
3c Total	Reactor Vessel Removal		10,982	41,520	11,244	90	12,767	76,604	76,604	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 1	1,532	210	-	-	348	2,091	2,091	-	-
	3d.3	Remove and Dispose of Pressurizer - Unit 1	211	28	-	-	48	286	286	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 1	567	45	-	-	122	734	734	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 1	581	77	-	-	132	789	789	-	-
	3d.6	Large Component Disposal	-	-	15,180	-	3,036	18,216	18,216	-	-
3d Total	Large Component Removal		2,890	4,552	15,180	-	4,525	27,147	27,147	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	74	25	-	-	20	119	119	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	231	25	-	-	51	308	308	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 1	1,194	168	-	-	272	1,634	1,634	-	-
	3e.4	Decon/Surgical Removal Fuel Building	607	27	-	-	127	760	760	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building Unit 1	3,379	371	-	-	750	4,501	4,501	-	-
	3e.6	Oversize Debris / Containerized Debris Disposal	-	-	6,572	-	1,314	7,887	7,887	-	-
3e Total	Plant Decontamination & Interior Rad Demolition		5,485	616	6,572	-	2,535	15,208	15,208	-	-
	3f.1	Demolish Fuel Building	277	695	-	-	194	1,166	1,166	-	-
	3f.2	Demolish Auxiliary Building	1,739	5,339	-	-	1,416	8,493	8,493	-	-
	3f.3	Demolish Unit 1 Containment Building	2,173	7,909	-	-	2,016	12,099	12,099	-	-
	3f.4	Contaminated Soil	741	1,282	69,927	-	14,390	86,339	86,339	-	-
	3f.5	Debris Disposal	-	-	92,566	-	18,513	111,079	111,079	-	-
3f Total	Rad Building Demolition		4,930	15,224	162,493	-	36,529	219,177	219,177	-	-
	3g.1	Final Status Survey for Structures	7,057	69	-	293	1,484	8,903	8,903	-	-
	3g.2	Final Status Survey for Land Areas (Included in structures)	-	-	-	-	-	-	-	-	-
3g Total	License Termination Activities		7,057	69	-	293	1,484	8,903	8,903	-	-
	3h.1	Utility Staff	35,171	-	-	-	5,276	40,447	40,447	-	-
	3h.2	Security Guard Force	-	-	-	-	420	3,219	3,219	-	-
	3h.3	General Contractor Staff	81,719	-	-	-	12,258	93,976	93,976	-	-
	3h.4	Property Taxes	-	-	-	227	34	261	261	-	-
	3h.5	Insurance	-	-	-	2,340	351	2,691	2,691	-	-
	3h.6	Corporate Support	5,904	-	-	-	886	6,790	6,790	-	-
	3h.7	Utility Staff HP Supplies	-	6,694	-	-	1,004	7,698	7,698	-	-
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-
	3h.10	County Fees	-	-	-	-	-	-	-	-	-
	3h.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	3h.12	Materials and Services	-	2,640	-	-	396	3,035	3,035	-	-
	3h.13	Energy	-	-	-	4,290	643	4,933	4,933	-	-
	3h.14	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-
	3h.15	Florida LLRW Inspection Fee	-	-	-	5,325	799	6,124	6,124	-	-
	3h.16	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.16	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.17	INPO Membership Fees	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		125,593	15,965	-	15,352	23,536	180,446	180,446	-	-
Period 3 Total	DECOMMISSIONING & LICENSE TERMINATION		184,489	81,532	204,339	23,359	88,909	582,628	582,628	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	3,882	1,779	-	-	849	6,510	-	-	6,510
	4a.2	Demo Intake & CWS	1,990	1,530	-	-	528	4,048	-	-	4,048
	4a.3	Demo Tank Foundations	12	297	-	-	46	355	-	-	355
	4a.4	Demo Misc Site Structures	1,560	1,483	-	-	456	3,499	-	-	3,499
	4a.5	Security Improvements	600	593	-	-	179	1,372	-	-	1,372
	4a.6	Clean Concrete Processing	-	-	-	2,167	325	2,492	-	-	2,492
	4a.7	Demo Site Paving	379	1,022	-	-	210	1,611	-	-	1,611
	4a.8	Clean Debris Disposal / Recycle	-	-	155	-	23	178	-	-	178
4a Total	Clean Building & Site Demolition		8,423	6,703	155	2,167	2,617	20,065	-	-	20,065
	4b.1	Procure Site Restoration Equipment	-	950	-	-	143	1,093	-	-	1,093

Appendix C-2
Florida Power and Light
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	4b.2	Finish Grading and Re-Vegetate Site	773	-	-	-	116	889	-	-	889
4b Total	Site Restoration		773	950	-	-	258	1,981	-	-	1,981
	4c.1	Utility Staff	2,647	-	-	-	397	3,044	-	-	3,044
	4c.2	Security Guard Force	211	-	-	-	32	242	-	-	242
	4c.3	General Contractor Staff	6,151	-	-	-	923	7,073	-	-	7,073
	4c.4	Property Taxes	-	-	-	17	3	20	-	-	20
	4c.5	Insurance	-	-	-	176	26	203	-	-	203
	4c.6	Corporate Support	444	-	-	-	67	511	-	-	511
	4c.7	Energy	-	-	-	323	48	371	-	-	371
	4c.8	Materials and Services	-	199	-	-	30	228	-	-	228
	4c.9	County Fees	-	-	-	-	-	-	-	-	-
	4c.10	FEMA Fees	-	-	-	-	-	-	-	-	-
4c Total	Undistributed Costs for Site Restoration		9,453	199	-	516	1,525	11,693	-	-	11,693
Period 4 Total	SITE RESTORATION		18,649	7,852	155	2,683	4,401	33,739	-	-	33,739
	5a.1	Procure Loading & Transfer Equipment (Included In Period 1)	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.3	Remove (79) Fuel Casks from ISFSI & Load DOE Transport	7,079	1,770	-	-	1,327	10,176	-	10,176	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
5a Total	Dry Fuel Transfer to DOE during SAFSTOR		7,079	1,770	-	-	1,327	10,176	-	10,176	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	538	-	-	155	139	831	831	-	-
	5b.2	GTCC Transportation & Disposal	-	-	20,611	-	3,092	23,702	23,702	-	-
5b Total	GTCC Waste Disposition		538	-	20,611	155	3,230	24,533	24,533	-	-
	5c.1	Utility Staff	7,570	-	-	-	1,136	8,706	-	8,706	-
	5c.2	Security Guard Force	35,742	-	-	-	5,361	41,103	-	41,103	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	-	-	-	-	-	-
	5c.5	Insurance	-	-	-	-	-	-	-	-	-
	5c.6	Corporate Support	-	-	-	-	-	-	-	-	-
	5c.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	5c.8	NRC Inspection Fee	-	-	-	-	-	-	-	-	-
	5c.9	Licensing Fees	-	-	-	-	-	-	-	-	-
	5c.10	County Fees	-	-	-	-	-	-	-	-	-
	5c.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	5c.12	Energy	-	-	-	-	-	-	-	-	-
	5c.13	Materials and Services	-	-	-	-	-	-	-	-	-
	5c.14	ISFSI Operating Costs	-	-	-	1,958	294	2,251	-	2,251	-
5c Total	Undistributed Costs for Dry Fuel / GTCC Storage & Transfer		43,312	-	-	1,958	6,791	52,061	-	52,061	-
Period 5 Total	DRY FUEL / GTCC STORAGE & TRANSFER		50,929	1,770	20,611	2,113	11,348	86,770	24,533	62,236	-
	6a.1	Preparation and NRC Review of License Termination Plan	82	-	-	124	31	237	-	237	-
6a Total	ISFSI D&D Planning & Preparations		82	-	-	124	31	237	-	237	-
	6b.1	Clean Demolition of ISFSI	2,212	1,237	-	-	517	3,967	-	3,967	-
	6b.2	Demolition of ISFSI Support Structures	403	182	-	-	88	672	-	672	-
6b Total	ISFSI and Support Structure Clean Demolition		2,614	1,420	-	-	605	4,639	-	4,639	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	6c.1	Verification Surveys	150	42	-	-	29	221	-	221	
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	82	-	-	-	12	95	-	95	-
6c Total	ISFSI Final Status Surveys		232	42	-	-	41	316	-	316	-
	6d.1	Utility Staff	370	-	-	-	55	425	-	425	-
	6d.2	Security Guard Force	217	-	-	-	33	250	-	250	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-
	6d.4	Property Taxes	-	-	-	35	5	40	-	40	-
	6d.5	Insurance	-	-	-	257	39	296	-	296	-
	6d.6	Corporate Support	-	-	-	-	-	-	-	-	-
	6d.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	6d.8	Materials and Services	-	-	-	-	-	-	-	-	-
	6d.9	Energy	-	-	-	47	7	54	-	54	-
	6d.10	NRC Inspection Fee	-	-	-	63	10	73	-	73	-
	6d.11	Licensing Fees	-	-	-	-	-	-	-	-	-
	6d.12	County Fees	-	-	-	-	-	-	-	-	-
	6d.13	FEMA Fees	-	-	-	-	-	-	-	-	-
6d Total	Undistributed Costs for ISFSI Decommissioning		2,999	-	-	403	510	3,912	-	3,912	-
Period 6 Total	ISFSI DECOMMISSIONING		5,928	1,462	-	527	1,187	9,104	-	9,104	-
GRAND TOTAL			447,468	155,631	225,104	112,284	149,007	1,089,494	801,373	254,382	33,739

Appendix C-2
Florida Power and Light
St. Lucie Unit 2
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
1a Total	Planning Prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-
1b Total	Unit 1 Post Shutdown Planning & Engineering		-	-	-	-	-	-	-	-	-
1c Total	Unit 1 Post Shutdown Deactivation & Modifications		-	-	-	-	-	-	-	-	-
1d Total	Unit 1 Wet Fuel Transfer to DOE prior to SAFSTOR		-	-	-	-	-	-	-	-	-
	1e.1	Admin Activities in Preparation for Decommissioning - Unit 2	964	30	-	-	149	1,143	1,143	-	-
	1e.2	Preparation of PSDAR and Licensing Documents - Unit 2	219	7	-	-	34	260	260	-	-
	1e.3	Engineering Activities in Preparation for Decommissioning - Unit 2	1,237	40	-	-	192	1,469	1,469	-	-
1e Total	Unit 2 Post Shutdown Planning & Engineering		2,420	78	-	-	375	2,872	2,872	-	-
	1f.1	Defuel Reactor Unit 2 (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1f.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1f.3	Spent Fuel Pool System Modifications - Unit 2	7,693	1,566	-	-	1,389	10,648	-	10,648	-
	1f.4	Implement Cold & Dark - Unit 2	3,929	815	-	-	712	5,455	5,455	-	-
	1f.5	Perform Pre-SAFSTOR Baseline Radiation Survey - Unit 2	1,484	48	-	-	230	1,763	1,763	-	-
1f Total	Unit 2 Shutdown Preparations & Deactivation		13,106	2,429	-	-	2,330	17,866	7,218	10,648	-
1g Total	Unit 2 Wet Fuel Transfer to DOE prior to SAFSTOR		-	-	-	-	-	-	-	-	-
	1h.1	Provide Transfer Casks (22)	-	25,096	-	-	3,764	28,861	-	28,861	-
	1h.2	Procure Spent Fuel Loading & Transfer Equipment	-	1,891	-	-	284	2,175	-	2,175	-
	1h.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-
	1h.4	Remove (805) Fuel Assemblies from Pool & Load Casks	3,943	986	-	-	986	5,914	-	5,914	-
	1h.5	Dry, Close & Inspect (22)	1,971	493	-	-	493	2,957	-	2,957	-
	1h.6	Load Out (22) Casks to Transport	1,971	493	-	-	493	2,957	-	2,957	-
	1h.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1h Total	Unit 2 Wet Fuel Transfer to ISFSI prior to SAFSTOR		8,296	28,958	-	216	6,114	43,585	-	43,585	-
	1j.1	Utility Staff	53,584	-	-	-	8,098	61,622	49,298	12,324	-
	1j.2	Security Guard Force	44,161	-	-	-	6,624	50,785	15,235	35,549	-
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	70	10	80	64	16	-
	1j.5	Insurance	-	-	-	3,295	494	3,789	3,032	758	-
	1j.6	Corporate Support	789	-	-	-	118	907	272	635	-
	1j.7	Utility Staff HP Supplies	-	381	-	-	57	438	131	306	-
	1j.8	NRC Inspection Fee	-	-	-	1,268	190	1,458	1,458	-	-
	1j.9	Licensing Fees	-	-	-	652	98	750	750	-	-
	1j.10	Materials and Services	-	679	-	-	102	780	234	546	-
	1j.11	Energy	-	-	-	623	94	717	574	143	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.14	County Fees	-	-	-	1,223	184	1,407	1,126	281	-
	1j.15	FEMA Fees	-	-	-	644	97	741	593	148	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Maintenance Cost	-	63	-	-	9	72	-	72	-
	1j.18	Spent Fuel Maintenance	702	82	-	-	118	902	-	902	-
1j Total	Undistributed Costs for Shutdown & Transition		99,236	1,204	-	7,776	16,232	124,449	72,766	51,683	-
Period 1 Total	SHUTDOWN & TRANSITION		123,058	32,669	-	7,992	25,051	188,771	82,856	105,915	-
2a Total	Unit 1 Dry Fuel Transfer to DOE during SAFSTOR		-	-	-	-	-	-	-	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 2
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
2b Total	Unit 1 Wet Fuel Transfer to DOE during SAFSTOR		-	-	-	-	-	-	-	-	-
2c Total	Unit 1 Dormancy during Dry Fuel Storage		-	-	-	-	-	-	-	-	-
	2d.1	Utility Staff	6,955	-	-	-	695	7,650	3,443	4,208	-
	2d.2	Security Guard Force	4,262	-	-	-	426	4,688	-	4,688	-
	2d.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2d.4	Property Taxes	-	-	-	559	56	615	277	338	-
	2d.5	Insurance	-	-	-	9,028	903	9,931	4,469	5,462	-
	2d.6	Corporate Support	7,693	-	-	-	769	8,462	3,808	4,654	-
	2d.7	Utility Staff HP Supplies	-	2,456	-	-	246	2,702	1,216	1,486	-
	2d.8	NRC Inspection Fee	-	-	-	2,029	203	2,232	1,004	1,227	-
	2d.9	Licensing Fees	-	-	-	5,216	522	5,738	2,582	3,156	-
	2d.10	County Fees	-	-	-	-	-	-	-	-	-
	2d.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	2d.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2d.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2d.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2d.15	Materials and Services	-	4,922	-	-	492	5,414	2,436	2,978	-
	2d.16	Energy	-	-	-	2,344	234	2,578	1,160	1,418	-
2d Total	Unit 2 Dormancy during Dry Fuel Storage		18,909	7,378	-	19,176	4,546	50,010	20,395	29,615	-
	2e.1	Utility Staff	13,445	-	-	-	1,345	14,790	14,790	-	-
	2e.2	Security Guard Force	8,240	-	-	-	824	9,064	9,064	-	-
	2e.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2e.4	Property Taxes	-	-	-	1,013	101	1,114	1,114	-	-
	2e.5	Insurance	-	-	-	10,835	1,084	11,919	11,919	-	-
	2e.6	Corporate Support	2,660	-	-	-	266	2,926	2,926	-	-
	2e.7	Utility Staff HP Supplies	-	1,026	-	-	103	1,129	1,129	-	-
	2e.8	NRC Inspection Fee	-	-	-	3,677	368	4,045	4,045	-	-
	2e.9	Licensing Fees	-	-	-	9,454	945	10,399	10,399	-	-
	2e.10	County Fees	-	-	-	-	-	-	-	-	-
	2e.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	2e.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2e.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2e.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2e.15	Materials and Services	-	2,451	-	-	245	2,696	2,696	-	-
	2e.16	Energy	-	-	-	1,051	105	1,157	1,157	-	-
2e Total	Dormancy only		24,345	3,477	-	26,031	5,385	59,238	59,238	-	-
Period 2 Total	SAFSTOR		43,255	10,855	-	45,206	9,932	109,248	79,633	29,615	-
	3a.1	Decommissioning Planning and Design - Unit 2	1,832	58	-	-	283	2,173	2,173	-	-
	3a.2	Planning and Design of Site Characterization - Unit 2	1,728	69	-	136	290	2,223	2,223	-	-
	3a.3	Prepare Integrated Work Sequence and Schedule - Unit 2	198	6	-	-	31	234	234	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 2	2,647	86	-	-	410	3,144	3,144	-	-
	3a.5	Prepare License Termination Plan - Unit 2	1,184	-	-	862	307	2,352	2,352	-	-
	3a.6	Prepare Detailed Work Procedures for Decommissioning - Unit 2	2,145	70	-	-	332	2,547	2,547	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 2	97	-	-	-	14	111	111	-	-
	3a.8	Purchase Dry Storage Modules for Unit 2 GTCC Waste	-	-	8,849	-	1,327	10,176	10,176	-	-
3a Total	Decommissioning Planning		9,830	289	8,849	998	2,995	22,962	22,962	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	1,680	252	1,932	1,932	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 2
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 2	-	-	-	-	-	-	-	-	-
	3b.3	Implement Temporary Power Upgrades - Unit 2	1,116	1,211	-	-	349	2,676	2,676	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,682	131	-	-	572	4,385	4,385	-	-
	3b.5	Modify Containment Access - Unit 2	2,732	97	-	-	424	3,254	3,254	-	-
	3b.6	Transportation Infrastructure Modifications	67	385	-	1,800	338	2,589	2,589	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	1,907	286	2,193	2,193	-	-
3b Total	Decommissioning Transition and Preparations		7,597	1,825	-	5,386	2,221	17,029	17,029	-	-
	3c.1	Design and Procure Special Equipment	-	34,955	-	-	6,991	41,947	41,947	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,154	-	-	90	449	2,694	2,694	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 2	500	-	-	-	100	600	600	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 2	6,353	2,714	11,277	-	4,069	24,412	24,412	-	-
	3c.5	Segment, Package and Ship RPV - Unit 2	1,506	1,331	-	-	567	3,404	3,404	-	-
3c Total	Reactor Vessel Removal		10,513	39,000	11,277	90	12,176	73,057	73,057	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 2	1,532	210	-	-	348	2,091	2,091	-	-
	3d.3	Remove and Dispose of Pressurizer - Unit 2	211	28	-	-	48	286	286	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 2	567	45	-	-	122	734	734	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 2	581	77	-	-	132	789	789	-	-
	3d.6	Large Component Disposal	-	-	15,007	-	3,001	18,008	18,008	-	-
3d Total	Large Component Removal		2,890	4,552	15,007	-	4,490	26,939	26,939	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	74	25	-	-	20	119	119	-	-
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	231	80	-	-	62	374	374	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 2	1,194	168	-	-	272	1,634	1,634	-	-
	3e.4	Decon/Surgical Removal Fuel Building - Unit 2	607	27	-	-	127	760	760	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building Unit 2	3,379	371	-	-	750	4,501	4,501	-	-
	3e.6	Oversized Debris / Containerized Debris Disposal	-	-	6,606	-	1,321	7,928	7,928	-	-
3e Total	Plant Decontamination & Interior Rad Demolition		5,485	671	6,606	-	2,553	15,315	15,315	-	-
	3f.1	Demolish Fuel Building	277	695	-	-	194	1,166	1,166	-	-
	3f.2	Demolish Auxiliary Building	1,739	5,339	-	-	1,416	8,493	8,493	-	-
	3f.3	Demolish Unit 2 Containment Building	2,173	7,909	-	-	2,016	12,099	12,099	-	-
	3f.4	Contaminated Soil	688	1,191	64,525	-	13,281	79,685	79,685	-	-
	3f.5	Debris Disposal	-	-	92,667	-	18,533	111,201	111,201	-	-
3f Total	Rad Building Demolition		4,878	15,133	157,192	-	35,441	212,644	212,644	-	-
	3g.1	Final Status Survey for Structures	7,057	69	-	293	1,484	8,903	8,903	-	-
	3g.2	Final Status Survey for Land Areas (included in structures)	-	-	-	-	-	-	-	-	-
3g Total	License Termination Activities		7,057	69	-	293	1,484	8,903	8,903	-	-
	3h.1	Utility Staff	35,171	-	-	-	5,276	40,447	40,447	-	-
	3h.2	Security Guard Force	2,799	-	-	-	420	3,219	3,219	-	-
	3h.3	General Contractor Staff	81,719	-	-	-	12,258	93,976	93,976	-	-
	3h.4	Property Taxes	-	-	-	227	34	261	261	-	-
	3h.5	Insurance	-	-	-	2,340	351	2,691	2,691	-	-
	3h.6	Corporate Support	5,571	-	-	-	836	6,407	6,407	-	-
	3h.7	Utility Staff HP Supplies	-	8,629	-	-	1,294	9,923	9,923	-	-
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-
	3h.10	County Fees	-	-	-	-	-	-	-	-	-
	3h.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	3h.12	Materials and Services	-	2,430	-	-	364	2,794	2,794	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 2
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3h.13	Energy	-	-	-	4,105	616	4,721	4,721	-	-
	3h.14	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-
	3h.15	Florida LLRW Inspection Fee	-	-	-	5,090	764	5,854	5,854	-	-
	3h.16	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.17	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.18	INPO Membership Fees	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		125,260	17,691	-	14,933	23,682	181,565	181,565	-	-
Period 3 Total	DECOMMISSIONING & LICENSE TERMINATION		179,510	79,231	198,932	21,700	85,042	558,415	558,415	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	3,868	1,779	-	-	847	6,494	-	-	6,494
	4a.2	Demo Intake & CWS	2,049	1,576	-	-	544	4,169	-	-	4,169
	4a.3	Demo Primary Water Tank Foundation	12	119	-	-	20	150	-	-	150
	4a.4	Demo Misc Site Structures	6,491	1,483	-	-	1,196	9,170	-	-	9,170
	4a.5	Demo Security Improvements	600	593	-	-	179	1,372	-	-	1,372
	4a.6	Demo Steam Generator Blowdown Treatment	655	178	-	-	125	958	-	-	958
	4a.7	Clean Concrete Processing	-	-	-	3,137	471	3,608	-	-	3,608
	4a.8	Demo Site Paving	379	1,022	-	-	210	1,611	-	-	1,611
	4a.9	Clean Debris Disposal / Recycle	-	-	170	-	25	195	-	-	195
4a Total	Clean Building & Site Demolition		14,056	6,749	170	3,137	3,617	27,728	-	-	27,728
	4b.1	Procure Site Restoration Equipment	-	634	-	-	95	729	-	-	729
	4b.2	Finish Grading and Re-Vegetate Site	515	33	-	-	82	631	-	-	631
4b Total	Site Restoration		515	667	-	-	177	1,359	-	-	1,359
	4c.1	Utility Staff	2,647	-	-	-	397	3,044	-	-	3,044
	4c.2	Security Guard Force	211	-	-	-	32	242	-	-	242
	4c.3	General Contractor Staff	6,151	-	-	-	923	7,073	-	-	7,073
	4c.4	Property Taxes	-	-	-	17	3	20	-	-	20
	4c.5	Insurance	-	-	-	176	26	203	-	-	203
	4c.6	Corporate Support	-	-	-	-	-	-	-	-	-
	4c.7	Energy	-	-	-	160	24	183	-	-	183
	4c.8	Materials and Services	-	297	-	-	45	341	-	-	341
	4c.9	County Fees	-	-	-	-	-	-	-	-	-
	4c.10	FEMA Fees	-	-	-	-	-	-	-	-	-
4c Total	Undistributed Costs for Site Restoration		9,009	297	-	353	1,449	11,107	-	-	11,107
Period 4 Total	SITE RESTORATION		23,579	7,712	170	3,490	5,243	40,195	-	-	40,195
	5a.1	Procure Loading & Transfer Equipment (Included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (Included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.3	Remove (47) Fuel Casks from ISFSI & Load DOE Transport	4,190	1,047	-	-	786	6,023	-	6,023	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
5a Total	Dry Fuel Transfer to DOE during SAFSTOR		4,190	1,047	-	-	786	6,023	-	6,023	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	538	-	-	155	139	831	831	-	-
	5b.2	GTCC Transportation & Disposal	-	-	20,611	-	3,092	23,702	23,702	-	-
5b Total	GTCC Waste Disposition		538	-	20,611	155	3,230	24,533	24,533	-	-
	5c.1	Utility Staff	7,570	-	-	-	1,136	8,706	-	8,706	-
	5c.2	Security Guard Force	35,742	-	-	-	5,361	41,103	-	41,103	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	-	-	-	-	-	-
	5c.5	Insurance	-	-	-	-	-	-	-	-	-

Appendix C-2
Florida Power and Light
St. Lucie Unit 2
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	5c.6	Corporate Support	-	-	-	-	-	-	-	-	-
	5c.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	5c.8	NRC Inspection Fee	-	-	-	-	-	-	-	-	-
	5c.9	Licensing Fees	-	-	-	-	-	-	-	-	-
	5c.10	County Fees	-	-	-	-	-	-	-	-	-
	5c.11	FEMA Fees	-	-	-	-	-	-	-	-	-
	5c.12	Energy	-	-	-	-	-	-	-	-	-
	5c.13	Materials and Services	-	-	-	-	-	-	-	-	-
	5c.14	ISFSI Operating Costs	-	-	-	1,501	225	1,727	-	1,727	-
5c Total		Undistributed Costs for Dry Fuel / GTCC Storage & Transfer	43,312	-	-	1,501	6,722	51,536	-	51,536	-
Period 5 Total		DRY FUEL / GTCC STORAGE & TRANSFER	48,040	1,047	20,611	1,656	10,738	82,092	24,533	57,558	-
	6a.1	Preparation and NRC Review of License Termination Plan	55	-	-	83	21	158	-	158	-
6a Total		ISFSI D&D Planning & Preparations	55	-	-	83	21	158	-	158	-
	6b.1	Clean Demolition of ISFSI	1,474	825	-	-	345	2,644	-	2,644	-
	6b.2	Demolition of ISFSI Support Structures	268	121	-	-	58	448	-	448	-
6b Total		ISFSI and Support Structure Clean Demolition	1,743	946	-	-	403	3,093	-	3,093	-
	6c.1	Verification Surveys	100	28	-	-	19	147	-	147	-
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	55	-	-	-	8	63	-	63	-
6c Total		ISFSI Final Status Surveys	155	28	-	-	27	210	-	210	-
	6d.1	Utility Staff	370	-	-	-	55	425	-	425	-
	6d.2	Security Guard Force	217	-	-	-	33	250	-	250	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-
	6d.4	Property Taxes	-	-	-	35	5	40	-	40	-
	6d.5	Insurance	-	-	-	257	39	296	-	296	-
	6d.6	Corporate Support	-	-	-	-	-	-	-	-	-
	6d.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	6d.8	Materials and Services	-	-	-	-	-	-	-	-	-
	6d.9	Energy	-	-	-	43	6	49	-	49	-
	6d.10	NRC Inspection Fee	-	-	-	63	10	73	-	73	-
	6d.11	Licensing Fees	-	-	-	-	-	-	-	-	-
	6d.12	County Fees	-	-	-	-	-	-	-	-	-
	6d.13	FEMA Fees	-	-	-	-	-	-	-	-	-
6d Total		Undistributed Costs for ISFSI Decommissioning	2,999	-	-	398	510	3,906	-	3,906	-
Period 6 Total		ISFSI DECOMMISSIONING	4,951	975	-	481	961	7,368	-	7,368	-
GRAND TOTAL			416,394	132,490	219,712	80,526	136,966	986,088	745,437	200,457	40,195

Florida Power and Light - St. Lucie Units 1 & 2

Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR

2025 Estimated Staff FTEs

2025 Estimated Staff FTEs		UNIT 1 SHUTDOWN												UNIT 2 SHUTDOWN												UNIT 3 SHUTDOWN												DECOMMISSIONING & SITE RESTORATION COMPLETE												SFPB EMPTY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Period 1 - Shutdown & Travelling		2004	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000	3001	3002	300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2022 Estimated Staff PTEs			2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468</
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Appendix E-1 - Waste Disposal Summary
St. Lucie Unit 1
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)	
Low Level Radioactive Waste	212,948,462	2,364,920	\$	224,731,189
GTCC	265,013	2,886	\$	29,459,636
Other	73,634,115	933,271	\$	173,077
Grand Total	286,847,589	3,301,077	\$	254,363,902

Appendix E-1 - Waste Disposal Summary
St. Lucie Unit 2
Scenario 1 - Unit 1 SAFSTOR, DECON both following Unit 2 Shutdown
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)	
Low Level Radioactive Waste	205,619,007	2,289,851	\$	218,841,172
GTCC	567,289	2,886	\$	29,459,636
Other	73,655,517	942,346	\$	174,937
Grand Total	279,841,813	3,235,083	\$	248,475,745

Appendix E-2 - Waste Disposal Summary
St. Lucie Unit 1
Scenario 2 - SAFSTOR, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)	
Low Level Radioactive Waste	188,864,037	2,114,485	\$	195,489,537
GTCC	567,289	2,886	\$	29,459,636
Other	107,335,663	1,321,734	\$	154,634
Grand Total	296,766,989	3,439,105	\$	225,103,807

Appendix E-1 - Waste Disposal Summary
St. Lucie Unit 2
Scenario 2 - SAFSTOR, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)	
Low Level Radioactive Waste	181,441,789	2,021,262	\$	190,082,518
GTCC	567,289	2,886	\$	29,459,636
Other	108,135,151	1,345,394	\$	169,967
Grand Total	290,144,229	3,369,541	\$	219,712,122

Appendix F-1
Florida Power and Light - St. Lucie Unit 1
Scenario 1 - PROMPT Decon
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2056	10,184	12,981	-	23,166
2057	12,529	67,556	-	80,086
2058	12,244	9,116	-	21,361
2059	12,310	12,559	-	24,870
2060	11,381	12,698	-	24,080
2061	10,982	12,515	-	23,496
2062	10,945	12,498	-	23,443
2063	30,506	15,781	-	46,287
2064	41,309	6,764	-	48,074
2065	90,982	6,456	3,191	100,629
2066	80,414	4,377	15,487	100,278
2067	146,579	4,377	6,429	157,385
2068	167,136	4,377	3,471	174,984
2069	57,043	4,377	1,609	63,029
2070	4,535	4,377	1,922	10,835
2071	-	4,377	-	4,377
2072	-	4,377	-	4,377
2073	-	4,377	-	4,377
2074	-	4,377	-	4,377
2075	-	4,377	-	4,377
2076	-	4,377	-	4,377
2077	-	4,377	-	4,377
2078	-	4,377	-	4,377
2079	-	4,377	-	4,377
2080	-	4,377	-	4,377
2081	24,509	-	-	24,509
2082	-	2,029	-	2,029
2083	-	6,747	-	6,747
2084				-
Total	723,590	243,358	32,109	999,057

Note: Contingency is included in the categories above.

Appendix F-1
Florida Power and Light - St. Lucie Unit 2
Scenario 1 - PROMPT Decon
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2056	-	-	-	-
2057	-	-	-	-
2058	-	-	-	-
2059	-	-	-	-
2060	-	-	-	-
2061	-	-	-	-
2062	-	-	-	-
2063	40,642	23,324	-	63,966
2064	58,957	67,967	-	126,924
2065	105,700	22,152	4,414	132,266
2066	79,236	4,034	21,624	104,895
2067	144,195	4,034	8,365	156,595
2068	163,734	4,034	2,861	170,630
2069	55,969	4,034	1,584	61,588
2070	4,463	4,034	402	8,900
2071	-	4,034	-	4,034
2072	-	4,034	-	4,034
2073	-	4,034	-	4,034
2074	-	4,034	-	4,034
2075	-	4,034	-	4,034
2076	-	4,034	-	4,034
2077	-	4,034	-	4,034
2078	-	4,034	-	4,034
2079	-	4,034	-	4,034
2080	-	4,034	-	4,034
2081	-	4,034	-	4,034
2082	24,509	5,985	-	30,493
2083	-	5,095	-	5,095
2084	-	-	-	-
Total	677,406	189,073	39,251	905,730

Note: Contingency is included in the categories above.

Appendix F-1
Florida Power and Light - St. Lucie Units 1 & 2
Scenario 1 - PROMPT Decon
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2056	10,184	12,981	-	23,166
2057	12,529	67,556	-	80,086
2058	12,244	9,116	-	21,361
2059	12,310	12,559	-	24,870
2060	11,381	12,698	-	24,080
2061	10,982	12,515	-	23,496
2062	10,945	12,498	-	23,443
2063	71,148	39,105	-	110,252
2064	100,267	74,731	-	174,998
2065	196,682	28,607	7,605	232,895
2066	159,650	8,412	37,111	205,173
2067	290,774	8,412	14,794	313,980
2068	330,870	8,412	6,332	345,614
2069	113,012	8,412	3,193	124,617
2070	8,999	8,412	2,324	19,734
2071	-	8,412	-	8,412
2072	-	8,412	-	8,412
2073	-	8,412	-	8,412
2074	-	8,412	-	8,412
2075	-	8,412	-	8,412
2076	-	8,412	-	8,412
2077	-	8,412	-	8,412
2078	-	8,412	-	8,412
2079	-	8,412	-	8,412
2080	-	8,412	-	8,412
2081	24,509	4,034	-	28,543
2082	24,509	8,014	-	32,523
2083	-	11,842	-	11,842
2084	-	-	-	-
Total	1,400,996	432,431	71,360	1,904,787

Note: Contingency is included in the categories above.

Appendix F-2
Florida Power and Light - St. Lucie Unit 1
SCENARIO 2 - SAFSTOR, SLR
Estimated Annual Spending
LT, SFM, SR
(Thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2056	11,460	12,956	-	24,415
2057	13,162	67,440	-	80,602
2058	12,389	8,968	-	21,357
2059	9,889	8,139	-	18,027
2060	8,451	7,436	-	15,886
2061	8,044	7,258	-	15,302
2062	8,008	7,242	-	15,249
2063	8,008	9,871	-	17,879
2064	7,805	8,867	-	16,671
2065	7,122	8,567	-	15,689
2066	1,801	6,569	-	8,370
2067	1,801	6,569	-	8,370
2068	1,801	6,569	-	8,370
2069	1,801	6,569	-	8,370
2070	1,801	6,569	-	8,370
2071	1,801	6,569	-	8,370
2072	1,801	6,569	-	8,370
2073	1,801	6,569	-	8,370
2074	1,801	6,569	-	8,370
2075	1,801	6,569	-	8,370
2076	1,801	6,569	-	8,370
2077	1,801	6,569	-	8,370
2078	1,801	6,569	-	8,370
2079	1,801	6,569	-	8,370
2080	1,801	6,569	-	8,370
2081	2,549	-	-	2,549
2082	2,549	-	-	2,549
2083	2,549	-	-	2,549
2084	2,549	-	-	2,549
2085	2,549	-	-	2,549
2086	2,549	-	-	2,549
2087	2,549	-	-	2,549
2088	2,549	-	-	2,549
2089	2,549	-	-	2,549
2090	2,549	-	-	2,549
2091	2,549	-	-	2,549
2092	2,549	-	-	2,549
2093	2,549	-	-	2,549
2094	2,549	-	-	2,549
2095	2,549	-	-	2,549
2096	2,549	-	-	2,549
2097	2,549	-	-	2,549
2098	2,549	-	-	2,549
2099	2,549	-	-	2,549
2100	2,549	-	-	2,549
2101	2,549	-	-	2,549
2102	2,549	-	-	2,549
2103	2,549	-	-	2,549
2104	2,549	-	-	2,549
2105	2,549	-	-	2,549
2106	2,549	-	-	2,549
2107	2,549	-	-	2,549
2108	22,022	-	-	22,022
2109	37,604	-	-	37,604
2110	85,746	-	3,138	88,884
2111	86,040	-	15,265	101,305
2112	82,521	-	6,232	88,752
2113	201,202	-	4,187	205,389
2114	71,000	-	2,406	73,406
2115	25,062	369	2,282	27,714
2116	-	8,013	231	8,244
2117	-	722	-	722
Total	801,373	254,382	33,739	1,089,494

Note: Contingency is included in the categories above.

Appendix F-2
Florida Power and Light - St. Lucie Unit 2
SCENARIO 2 - SAFSTOR, SLR
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2056	-	-	-	-
2057	-	-	-	-
2058	-	-	-	-
2059	-	-	-	-
2060	-	-	-	-
2061	-	-	-	-
2062	-	-	-	-
2063	29,119	22,506	-	51,625
2064	30,103	66,825	-	96,928
2065	23,634	20,526	-	44,160
2066	1,200	4,896	-	6,096
2067	1,200	4,896	-	6,096
2068	1,200	4,896	-	6,096
2069	1,200	4,896	-	6,096
2070	1,200	4,896	-	6,096
2071	1,200	4,896	-	6,096
2072	1,200	4,896	-	6,096
2073	1,200	4,896	-	6,096
2074	1,200	4,896	-	6,096
2075	1,200	4,896	-	6,096
2076	1,200	4,896	-	6,096
2077	1,200	4,896	-	6,096
2078	1,200	4,896	-	6,096
2079	1,200	4,896	-	6,096
2080	1,200	4,896	-	6,096
2081	1,200	4,896	-	6,096
2082	1,200	4,896	-	6,096
2083	2,228	-	-	2,228
2084	2,228	-	-	2,228
2085	2,228	-	-	2,228
2086	2,228	-	-	2,228
2087	2,228	-	-	2,228
2088	2,228	-	-	2,228
2089	2,228	-	-	2,228
2090	2,228	-	-	2,228
2091	2,228	-	-	2,228
2092	2,228	-	-	2,228
2093	2,228	-	-	2,228
2094	2,228	-	-	2,228
2095	2,228	-	-	2,228
2096	2,228	-	-	2,228
2097	2,228	-	-	2,228
2098	2,228	-	-	2,228
2099	2,228	-	-	2,228
2100	2,228	-	-	2,228
2101	2,228	-	-	2,228
2102	2,228	-	-	2,228
2103	2,228	-	-	2,228
2104	2,228	-	-	2,228
2105	2,228	-	-	2,228
2106	2,228	-	-	2,228
2107	2,228	-	-	2,228
2108	17,336	-	-	17,336
2109	30,196	-	-	30,196
2110	80,430	-	4,259	84,689
2111	85,183	-	20,616	105,799
2112	82,353	-	7,194	89,548
2113	185,402	-	3,974	189,376
2114	67,920	-	2,259	70,179
2115	37,656	337	1,716	39,709
2116	-	6,415	177	6,592
2117	-	616	-	616
Total	745,437	200,457	40,195	986,088

Note: Contingency is Included in the categories above.

Appendix F-2
Florida Power and Light - St. Lucie Units 1 & 2
SCENARIO 2 - SAFSTOR, SLR
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2056	11,460	12,956	-	24,415
2057	13,162	67,440	-	80,602
2058	12,389	8,968	-	21,357
2059	9,889	8,139	-	18,027
2060	8,451	7,436	-	15,886
2061	8,044	7,258	-	15,302
2062	8,008	7,242	-	15,249
2063	37,126	32,378	-	69,504
2064	37,907	75,692	-	113,599
2065	30,756	29,093	-	59,849
2066	3,000	11,465	-	14,465
2067	3,000	11,465	-	14,465
2068	3,000	11,465	-	14,465
2069	3,000	11,465	-	14,465
2070	3,000	11,465	-	14,465
2071	3,000	11,465	-	14,465
2072	3,000	11,465	-	14,465
2073	3,000	11,465	-	14,465
2074	3,000	11,465	-	14,465
2075	3,000	11,465	-	14,465
2076	3,000	11,465	-	14,465
2077	3,000	11,465	-	14,465
2078	3,000	11,465	-	14,465
2079	3,000	11,465	-	14,465
2080	3,000	11,465	-	14,465
2081	3,749	4,896	-	8,645
2082	3,749	4,896	-	8,645
2083	4,778	-	-	4,778
2084	4,778	-	-	4,778
2085	4,778	-	-	4,778
2086	4,778	-	-	4,778
2087	4,778	-	-	4,778
2088	4,778	-	-	4,778
2089	4,778	-	-	4,778
2090	4,778	-	-	4,778
2091	4,778	-	-	4,778
2092	4,778	-	-	4,778
2093	4,778	-	-	4,778
2094	4,778	-	-	4,778
2095	4,778	-	-	4,778
2096	4,778	-	-	4,778
2097	4,778	-	-	4,778
2098	4,778	-	-	4,778
2099	4,778	-	-	4,778
2100	4,778	-	-	4,778
2101	4,778	-	-	4,778
2102	4,778	-	-	4,778
2103	4,778	-	-	4,778
2104	4,778	-	-	4,778
2105	4,778	-	-	4,778
2106	4,778	-	-	4,778
2107	4,778	-	-	4,778
2108	39,358	-	-	39,358
2109	67,800	-	-	67,800
2110	166,177	-	7,396	173,573
2111	171,223	-	35,881	207,105
2112	164,874	-	13,426	178,300
2113	386,605	-	8,161	394,766
2114	138,920	-	4,665	143,585
2115	62,718	706	3,998	67,422
2116	-	14,428	407	14,835
2117	-	1,337	-	1,337
Total	1,546,809	454,839	73,934	2,075,582

Note: Contingency is included in the categories above.

Appendix F-3
Florida Power and Light - St. Lucie Unit 1
Scenario 1 - PROMPT Decon
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	17,466	4,071	-	1,629	23,166
2057	31,923	46,018	-	2,145	80,086
2058	17,876	1,765	-	1,720	21,361
2059	18,038	1,386	-	5,445	24,870
2060	16,683	1,206	-	6,190	24,080
2061	16,134	1,172	-	6,190	23,496
2062	16,084	1,169	-	6,190	23,443
2063	29,584	1,752	5,088	9,863	46,287
2064	30,785	3,245	5,088	8,956	48,074
2065	43,818	34,852	10,979	10,980	100,629
2066	53,217	27,359	13,730	5,972	100,278
2067	51,310	22,026	79,980	4,069	157,385
2068	30,508	13,917	127,421	3,137	174,984
2069	18,152	4,279	37,766	2,832	63,029
2070	7,191	1,226	-	2,418	10,835
2071	3,470	115	-	792	4,377
2072	3,470	115	-	792	4,377
2073	3,470	115	-	792	4,377
2074	3,470	115	-	792	4,377
2075	3,470	115	-	792	4,377
2076	3,470	115	-	792	4,377
2077	3,470	115	-	792	4,377
2078	3,470	115	-	792	4,377
2079	3,470	115	-	792	4,377
2080	3,470	115	-	792	4,377
2081	645	-	23,702	161	24,509
2082	1,828	-	-	202	2,029
2083	5,006	1,681	-	59	6,747
2084					-
Total	440,953	168,270	303,755	86,079	999,057

Note: Contingency is included in the categories above.

Appendix F-3
Florida Power and Light - St. Lucie Unit 2
Scenario 1 - PROMPT Decon
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056					-
2057					-
2058					-
2059					-
2060					-
2061					-
2062					-
2063	51,609	1,841	5,088	5,427	63,966
2064	74,972	37,462	5,088	9,401	126,924
2065	75,851	34,037	10,607	11,771	132,266
2066	57,774	27,020	13,430	6,671	104,895
2067	52,339	22,073	77,983	4,200	156,595
2068	29,470	14,078	124,038	3,043	170,630
2069	17,433	4,681	36,753	2,721	61,588
2070	6,166	458	-	2,276	8,900
2071	3,193	66	-	775	4,034
2072	3,193	66	-	775	4,034
2073	3,193	66	-	775	4,034
2074	3,193	66	-	775	4,034
2075	3,193	66	-	775	4,034
2076	3,193	66	-	775	4,034
2077	3,193	66	-	775	4,034
2078	3,193	66	-	775	4,034
2079	3,193	66	-	775	4,034
2080	3,193	66	-	775	4,034
2081	3,193	66	-	775	4,034
2082	5,635	66	23,702	1,091	30,493
2083	3,915	1,121	-	59	5,095
2084					-
Total	410,291	143,565	296,689	55,185	905,730

Note: Contingency is included in the categories above.

Appendix F-3
Florida Power and Light - St. Lucie Units 1 & 2
Scenario 1 - PROMPT Decon
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
 (thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	17,466	4,071	-	1,629	23,166
2057	31,923	46,018	-	2,145	80,086
2058	17,876	1,765	-	1,720	21,361
2059	18,038	1,386	-	5,445	24,870
2060	16,683	1,206	-	6,190	24,080
2061	16,134	1,172	-	6,190	23,496
2062	16,084	1,169	-	6,190	23,443
2063	81,193	3,593	10,176	15,290	110,252
2064	105,758	40,707	10,176	18,356	174,998
2065	119,669	68,889	21,586	22,751	232,895
2066	110,991	54,379	27,160	12,643	205,173
2067	103,649	44,099	157,963	8,269	313,980
2068	59,979	27,995	251,460	6,180	345,614
2069	35,585	8,960	74,519	5,553	124,617
2070	13,357	1,684	-	4,694	19,734
2071	6,664	181	-	1,567	8,412
2072	6,664	181	-	1,567	8,412
2073	6,664	181	-	1,567	8,412
2074	6,664	181	-	1,567	8,412
2075	6,664	181	-	1,567	8,412
2076	6,664	181	-	1,567	8,412
2077	6,664	181	-	1,567	8,412
2078	6,664	181	-	1,567	8,412
2079	6,664	181	-	1,567	8,412
2080	6,664	181	-	1,567	8,412
2081	3,838	66	23,702	936	28,543
2082	7,463	66	23,702	1,292	32,523
2083	8,922	2,802	-	118	11,842
2084	-	-	-	-	-
Total	851,244	311,835	600,444	141,263	1,904,787

Note: Contingency is included in the categories above.

Appendix F-4
Florida Power and Light - St. Lucie Unit 1
SCENARIO 2 - SAFSTOR, SLR
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	18,752	4,103	-	1,561	24,415
2057	32,433	45,974	-	2,195	80,602
2058	17,852	1,685	-	1,820	21,357
2059	13,465	1,297	-	3,266	18,027
2060	11,231	1,124	-	3,531	15,886
2061	10,687	1,094	-	3,521	15,302
2062	10,638	1,091	-	3,520	15,249
2063	13,086	1,177	-	3,616	17,879
2064	12,197	832	-	3,642	16,671
2065	11,283	781	-	3,625	15,689
2066	5,944	482	-	1,944	8,370
2067	5,944	482	-	1,944	8,370
2068	5,944	482	-	1,944	8,370
2069	5,944	482	-	1,944	8,370
2070	5,944	482	-	1,944	8,370
2071	5,944	482	-	1,944	8,370
2072	5,944	482	-	1,944	8,370
2073	5,944	482	-	1,944	8,370
2074	5,944	482	-	1,944	8,370
2075	5,944	482	-	1,944	8,370
2076	5,944	482	-	1,944	8,370
2077	5,944	482	-	1,944	8,370
2078	5,944	482	-	1,944	8,370
2079	5,944	482	-	1,944	8,370
2080	5,944	482	-	1,944	8,370
2081	1,039	267	-	1,243	2,549
2082	1,039	267	-	1,243	2,549
2083	1,039	267	-	1,243	2,549
2084	1,039	267	-	1,243	2,549
2085	1,039	267	-	1,243	2,549
2086	1,039	267	-	1,243	2,549
2087	1,039	267	-	1,243	2,549
2088	1,039	267	-	1,243	2,549
2089	1,039	267	-	1,243	2,549
2090	1,039	267	-	1,243	2,549
2091	1,039	267	-	1,243	2,549
2092	1,039	267	-	1,243	2,549
2093	1,039	267	-	1,243	2,549
2094	1,039	267	-	1,243	2,549
2095	1,039	267	-	1,243	2,549
2096	1,039	267	-	1,243	2,549
2097	1,039	267	-	1,243	2,549
2098	1,039	267	-	1,243	2,549
2099	1,039	267	-	1,243	2,549
2100	1,039	267	-	1,243	2,549
2101	1,039	267	-	1,243	2,549
2102	1,039	267	-	1,243	2,549
2103	1,039	267	-	1,243	2,549
2104	1,039	267	-	1,243	2,549
2105	1,039	267	-	1,243	2,549
2106	1,039	267	-	1,243	2,549
2107	1,039	267	-	1,243	2,549
2108	12,224	780	5,088	3,929	22,022
2109	22,799	2,911	5,088	6,806	37,604
2110	38,727	34,403	7,747	8,007	88,884
2111	56,326	27,236	12,811	4,931	101,305
2112	52,800	16,719	16,170	3,064	88,752
2113	32,850	16,830	153,519	2,190	205,389
2114	17,165	4,506	49,874	1,861	73,406
2115	5,047	2,852	18,346	1,469	27,714
2116	6,170	1,724	-	349	8,244
2117	554	49	-	119	722
Total	513,501	181,614	268,644	125,736	1,089,494

Note: Contingency is included in the categories above.

Appendix F-4
Florida Power and Light - St. Lucie Unit 2
SCENARIO 2 - SAFSTOR, SLR
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	-	-	-	-	-
2057	-	-	-	-	-
2058	-	-	-	-	-
2059	-	-	-	-	-
2060	-	-	-	-	-
2061	-	-	-	-	-
2062	-	-	-	-	-
2063	47,174	1,972	-	2,479	51,625
2064	58,575	34,823	-	3,530	96,928
2065	39,904	956	-	3,301	44,160
2066	4,217	543	-	1,335	6,096
2067	4,217	543	-	1,335	6,096
2068	4,217	543	-	1,335	6,096
2069	4,217	543	-	1,335	6,096
2070	4,217	543	-	1,335	6,096
2071	4,217	543	-	1,335	6,096
2072	4,217	543	-	1,335	6,096
2073	4,217	543	-	1,335	6,096
2074	4,217	543	-	1,335	6,096
2075	4,217	543	-	1,335	6,096
2076	4,217	543	-	1,335	6,096
2077	4,217	543	-	1,335	6,096
2078	4,217	543	-	1,335	6,096
2079	4,217	543	-	1,335	6,096
2080	4,217	543	-	1,335	6,096
2081	4,217	543	-	1,335	6,096
2082	4,217	543	-	1,335	6,096
2083	1,007	144	-	1,077	2,228
2084	1,007	144	-	1,077	2,228
2085	1,007	144	-	1,077	2,228
2086	1,007	144	-	1,077	2,228
2087	1,007	144	-	1,077	2,228
2088	1,007	144	-	1,077	2,228
2089	1,007	144	-	1,077	2,228
2090	1,007	144	-	1,077	2,228
2091	1,007	144	-	1,077	2,228
2092	1,007	144	-	1,077	2,228
2093	1,007	144	-	1,077	2,228
2094	1,007	144	-	1,077	2,228
2095	1,007	144	-	1,077	2,228
2096	1,007	144	-	1,077	2,228
2097	1,007	144	-	1,077	2,228
2098	1,007	144	-	1,077	2,228
2099	1,007	144	-	1,077	2,228
2100	1,007	144	-	1,077	2,228
2101	1,007	144	-	1,077	2,228
2102	1,007	144	-	1,077	2,228
2103	1,007	144	-	1,077	2,228
2104	1,007	144	-	1,077	2,228
2105	1,007	144	-	1,077	2,228
2106	1,007	144	-	1,077	2,228
2107	1,007	144	-	1,077	2,228
2108	8,039	519	5,088	3,689	17,336
2109	16,943	2,151	5,088	6,013	30,196
2110	37,332	32,266	7,772	7,319	84,689
2111	60,483	26,960	12,779	5,577	105,799
2112	53,422	16,938	16,087	3,101	89,548
2113	32,260	17,119	138,008	1,988	189,376
2114	16,969	4,584	46,840	1,786	70,179
2115	5,092	2,581	30,510	1,525	39,709
2116	5,122	1,154	-	316	6,592
2117	465	32	-	119	616
Total	478,653	154,891	262,173	90,372	986,088

Note: Contingency is included in the categories above.

Appendix F-4
Florida Power and Light - St. Lucie Units 1 & 2
SCENARIO 2 - SAFSTOR, SLR
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	18,752	4,103	-	1,561	24,415
2057	32,433	45,974	-	2,195	80,602
2058	17,852	1,685	-	1,820	21,357
2059	13,465	1,297	-	3,266	18,027
2060	11,231	1,124	-	3,531	15,886
2061	10,687	1,094	-	3,521	15,302
2062	10,638	1,091	-	3,520	15,249
2063	60,260	3,149	-	6,095	69,504
2064	70,772	35,655	-	7,172	113,599
2065	51,186	1,737	-	6,926	59,849
2066	10,161	1,025	-	3,279	14,465
2067	10,161	1,025	-	3,279	14,465
2068	10,161	1,025	-	3,279	14,465
2069	10,161	1,025	-	3,279	14,465
2070	10,161	1,025	-	3,279	14,465
2071	10,161	1,025	-	3,279	14,465
2072	10,161	1,025	-	3,279	14,465
2073	10,161	1,025	-	3,279	14,465
2074	10,161	1,025	-	3,279	14,465
2075	10,161	1,025	-	3,279	14,465
2076	10,161	1,025	-	3,279	14,465
2077	10,161	1,025	-	3,279	14,465
2078	10,161	1,025	-	3,279	14,465
2079	10,161	1,025	-	3,279	14,465
2080	10,161	1,025	-	3,279	14,465
2081	5,256	811	-	2,578	8,645
2082	5,256	811	-	2,578	8,645
2083	2,046	411	-	2,320	4,778
2084	2,046	411	-	2,320	4,778
2085	2,046	411	-	2,320	4,778
2086	2,046	411	-	2,320	4,778
2087	2,046	411	-	2,320	4,778
2088	2,046	411	-	2,320	4,778
2089	2,046	411	-	2,320	4,778
2090	2,046	411	-	2,320	4,778
2091	2,046	411	-	2,320	4,778
2092	2,046	411	-	2,320	4,778
2093	2,046	411	-	2,320	4,778
2094	2,046	411	-	2,320	4,778
2095	2,046	411	-	2,320	4,778
2096	2,046	411	-	2,320	4,778
2097	2,046	411	-	2,320	4,778
2098	2,046	411	-	2,320	4,778
2099	2,046	411	-	2,320	4,778
2100	2,046	411	-	2,320	4,778
2101	2,046	411	-	2,320	4,778
2102	2,046	411	-	2,320	4,778
2103	2,046	411	-	2,320	4,778
2104	2,046	411	-	2,320	4,778
2105	2,046	411	-	2,320	4,778
2106	2,046	411	-	2,320	4,778
2107	2,046	411	-	2,320	4,778
2108	20,264	1,299	10,176	7,619	39,358
2109	39,742	5,062	10,176	12,819	67,800
2110	76,059	66,668	15,520	15,326	173,573
2111	116,809	54,196	25,590	10,508	207,105
2112	106,222	33,656	32,256	6,165	178,300
2113	65,110	33,949	291,528	4,179	394,766
2114	34,134	9,090	96,714	3,647	143,585
2115	10,139	5,433	48,856	2,994	67,422
2116	11,292	2,878	-	665	14,835
2117	1,019	81	-	238	1,337
Total	992,153	336,504	530,817	216,107	2,075,582

Note: Contingency is Included in the categories above.

Appendix F-5 Florida Power and Light - St. Lucie Units 1 & 2 Scenario 1 - PROMPT Decon DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	-	-	-	-	-
2057	9,139	3,416	-	426	12,981
2058	21,325	45,530	-	702	67,556
2059	7,441	1,399	-	277	9,116
2060	9,315	1,089	-	2,155	12,559
2061	9,219	948	-	2,531	12,698
2062	9,061	923	-	2,531	12,515
2063	9,046	921	-	2,531	12,498
2064	33,324	2,280	-	3,501	39,105
2065	37,973	34,756	-	2,002	74,731
2066	25,247	1,036	-	2,325	28,607
2067	6,664	181	-	1,567	8,412
2068	6,664	181	-	1,567	8,412
2069	6,664	181	-	1,567	8,412
2070	6,664	181	-	1,567	8,412
2071	-	-	-	-	-
2072	-	-	-	-	-
2073	-	-	-	-	-
2074	-	-	-	-	-
2075	-	-	-	-	-
2076	-	-	-	-	-
2077	-	-	-	-	-
2078	-	-	-	-	-
2079	-	-	-	-	-
2080	-	-	-	-	-
2081	-	-	-	-	-
2082	-	-	-	-	-
2083	-	-	-	-	-
2084	-	-	-	-	-
Total	197,743	91,021	-	25,250	316,013
Note: Contingency is included in the categories above.					

Appendix F-5 Florida Power and Light - St. Lucie Unit 1 Scenario 1 - PROMPT Decon DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056	-	-	-	-	-
2057	9,139	3,416	-	426	12,981
2058	21,325	45,530	-	702	67,556
2059	7,441	1,399	-	277	9,116
2060	9,315	1,089	-	2,155	12,559
2061	9,219	948	-	2,531	12,698
2062	9,061	923	-	2,531	12,515
2063	9,046	921	-	2,531	12,498
2064	11,649	1,007	-	3,125	15,781
2065	5,288	408	-	1,069	6,764
2066	5,022	355	-	1,069	6,458
2067	3,470	115	-	792	4,377
2068	3,470	115	-	792	4,377
2069	3,470	115	-	792	4,377
2070	3,470	115	-	792	4,377
2071					
2072					
2073					
2074					
2075					
2076					
2077					
2078					
2079					
2080					
2081					
2082					
2083					
2084					
Total	110,386	56,464	-	19,584	186,433
Note: Contingency is included in the categories above.					

Appendix F-5 Florida Power and Light - St. Lucie Unit 2 Scenario 1 - PROMPT Decon DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056					-
2057					-
2058					-
2059					-
2060					-
2061					-
2062					-
2063					-
2064	21,675	1,274	-	376	23,324
2065	32,685	34,348	-	924	67,967
2066	20,224	672	-	1,256	22,152
2067	3,193	66	-	775	4,034
2068	3,193	66	-	775	4,034
2069	3,193	66	-	775	4,034
2070	3,193	66	-	775	4,034
2071					-
2072					-
2073					-
2074					-
2075					-
2076					-
2077					-
2078					-
2079					-
2080					-
2081					-
2082					-
2083					-
2084					-
Total	87,357	36,557	-	5,668	129,580
Note: Contingency is included in the categories above.					

Appendix F-6 Florida Power and Light -St. Lucie Units 1 & 2 SCENARIO 2 - SAFSTOR DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (Thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056					-
2057	9,144	3,399		412	12,956
2058	21,266	45,463		712	67,440
2059	7,357	1,315		297	8,968
2060	6,039	984		1,116	8,139
2061	5,314	847		1,275	7,436
2062	5,160	825		1,273	7,258
2063	5,146	823		1,273	7,242
2064	28,448	2,166		1,743	32,376
2065	38,609	34,921		2,162	75,692
2066	25,916	1,207		1,970	29,093
2067	8,917	645		1,903	11,465
2068	8,917	645		1,903	11,465
2069	8,917	645		1,903	11,465
2070	8,917	645		1,903	11,465
2071-2109					-
2110					-
2111					-
2112					-
2113					-
2114					-
2115					-
2116					-
2117					-
Total	188,066	84,551	-	19,844	302,460

Note: Contingency is included in the categories above.

Appendix F-6 Florida Power and Light -St. Lucie Unit 1 SCENARIO 2 - SAFSTOR, SLR DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (Thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056					-
2057	9,144	3,399	-	412	12,956
2058	21,266	45,463	-	712	67,440
2059	7,357	1,315	-	297	8,968
2060	6,039	984	-	1,116	8,139
2061	5,314	847	-	1,275	7,436
2062	5,160	825	-	1,273	7,258
2063	5,146	823	-	1,273	7,242
2064	7,594	909	-	1,368	9,871
2065	6,900	569	-	1,398	8,867
2066	6,640	532	-	1,395	8,567
2067	5,126	317	-	1,126	6,569
2068	5,126	317	-	1,126	6,569
2069	5,126	317	-	1,126	6,569
2070	5,126	317	-	1,126	6,569
2071-2109					-
2110					-
2111					-
2112					-
2113					-
2114					-
2115					-
2116					-
2117					-
Total	101,065	56,932	-	15,022	173,019

Note: Contingency is included in the categories above.

Appendix F-6 Florida Power and Light -St. Lucie Unit 2 SCENARIO 2 - SAFSTOR, SLR DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (Thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2056					-
2057					-
2058					-
2059					-
2060					-
2061					-
2062					-
2063					-
2064	20,854	1,277		375	22,506
2065	31,710	34,352		769	66,825
2066	19,276	675		575	20,526
2067	3,790	329		777	4,896
2068	3,790	329		777	4,896
2069	3,790	329		777	4,896
2070	3,790	329		777	4,896
2071-2109					-
2110					-
2111					-
2112					-
2113					-
2114					-
2115					-
2116					-
2117					-
Total	87,001	37,616	-	4,822	129,441

Note: Contingency is included in the categories above.

SL Summary of Costs Shared Structures

(thousands, 2025 dollars)

	Unit 1	Unit 2	Total
Structures			
Contaminated Soil	86,339	79,685	166,024
Site Paving	1,611	1,611	3,222
Clean Concrete Processing	2,492	3,608	6,100
Security Improvements	1,372	1,372	2,744
Shared Miscellaneous Site Structures		6,543	6,543
Steam Generator Blowdown Facility	-	958	958
	91,814	93,777	185,591

SECTION 12

COMPARISON REPORT: Comparative Analysis of Cost Studies 2020 & 2025 Cost Studies



COMPARISON REPORT 2020 - 2025 of the St. Lucie Nuclear Plant, Units 1 and 2

Project No. 164193-01

Rev. 1

Prepared for:
Florida Power & Light Company

Prepared by:
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	Kevin M. Kirkley, Estimating Manager	Date

- ☒ New Report
- ☐ Title Change
- ☐ Report Revision
- ☐ Report Rewrite

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SUMMARY

This document provides a comparative discussion on Decommissioning Cost Estimates (DCEs) prepared for the St. Lucie Nuclear Plant Units 1 and 2 in 2020 and in 2025 (both by EnergySolutions). The estimates described in this document were constructed for a prompt decommissioning scenario (Prompt DECON) following the scheduled cessation of operations, recognizing that there is a seven-year offset in the scheduled shutdown dates for the two nuclear units. The scope of the two estimates is consistent, including cost subcategories for license termination, spent fuel management and site restoration activities.

The estimates were generated in 2020 and 2025 dollars, respectively. These estimates were developed using the basic inventory and plant design information from the 2010 cost model. The data, estimating assumptions and site-specific considerations were reviewed for the 2020 analysis. The cost model was modified where new information was available and provided, updated site-specific information was obtained, or experience from past decommissioning programs justified such changes.

The overall estimate to decommission St. Lucie (for the Integrated DECON alternative) increased 9.1% over the five-year period between estimates or approximately a 1.8% increase annually. The increase in the individual cost subcategories is shown in Table 1.

The cost elements were assigned to one of three subcategories: License Termination, Spent Fuel Management, and Site Restoration. Delegation of cost elements into these categories was for the purpose of comparison (e.g., with NRC financial guidelines) or to permit specific financial treatment [e.g., Asset Retirement Obligation (ARO) determinations]. In reality, there can be considerable interaction or overlap between the activities in the three subcategories.

Table 1 – Cost Subcategory Comparison Between 2020 and 2025 Estimates

Cost Subcategory	2020 (\$1,000s)	2025 (\$1,000s)	Delta (\$1,000s)	Percent Change	Annual Change
License Termination	1,254,740	1,400,996	146,256	11.7%	2.2%
Spent Fuel Management	427,313	432,431	5,118	1.2%	0.24%
Site Restoration	63,409	71,360	7,951	12.5%	2.4%
Total	1,745,462	1,904,787	159,325	9.1%	1.8%

The subcategory License Termination was used to accumulate costs that are consistent with the NRC's definition of decommissioning in its financial assurance regulations (i.e., 10 CFR Part 50.75, Reporting and recordkeeping for decommissioning planning, etc.). The cost reported for this subcategory is generally sufficient to terminate the operating licenses for the two reactors, recognizing that there may be some additional cost impact from spent fuel management. The cost associated with St. Lucie License Termination activities increased 11.7% over the five years or approximately 2.2% increase annually. The primary driver being escalation.

The Spent Fuel Management subcategory contains costs anticipated to be incurred once the nuclear units cease operation for the off-loading of the spent fuel from the pools either directly to the Department of Energy (DOE) or to an Independent Spent Fuel Storage Installation (ISFSI) for interim storage, and the eventual transfer of fuel from the ISFSI to the DOE. The DCEs include equipment and transfer costs only for shipment of spent fuel to the DOE prior to the cessation of the units, however any

staffing costs that are deemed necessary for this work prior to cessation of the units is assumed to be covered by plant operating costs. Costs were also included for the operation of the ISFSI until such time that the transfer of all fuel from this facility to an off-site location (e.g., geologic repository or interim facility) is complete. The costs assigned to this subcategory increased by 1.2% over the five years or approximately 0.24% increase annually. There are two impacts that lower cost overall in this time period: 1) a reduction in the required number of spent fuel transfer casks: Pool to ISFSI (62 casks decreased to 52), Pool to DOE (25 decreased to 3) and ISFSI to DOE (150 decreased to 126) and 2) Period 5 durations changed from 25 years to 19 years, a 6-year shortening of the period costs. The primary driver of increased costs is escalation.

Site Restoration was used to capture costs associated with the dismantling and demolition of buildings and facilities demonstrated to be free from contamination. This includes structures never exposed to radioactive materials. Structures that have been exposed to radioactive material and require decontamination such as the Reactor Buildings, Auxiliary Buildings and the Fuel Handling Buildings are included in the License Termination subcategory of the DCE. Structures are removed to a depth of three feet below grade and backfilled to conform to local grade. The costs assigned to the Site Restoration subcategory increased 12.5% increase over the five years or approximately 2.4% increase annually. The primary driver in this difference is escalation.

COMPARATIVE ANALYSIS

The past and current cost analysis uses the physical plant inventory, and information provided by FPL to complete the current analysis. This data was reviewed, along with the assumptions from the previous analysis and other site-specific considerations. Based on experience from previous and on-going decommissioning projects and previous proposal efforts, the St. Lucie cost analysis has been revised. In 2020, the estimate to promptly decommission St. Lucie (DECON alternative) was estimated at approximately \$1,745.5 million (in 2020 dollars). The comparable cost in 2025 is \$1,904.8 million (in 2025 dollars). This represents a 9.1% increase in the overall cost.

The decommissioning scope of the current cost estimate has not changed from 2020 to 2025. To compare the estimates, the costs have been broken down into 15 separate cost elements as shown in Table 2 below. A brief description of the change and primary contributing factor(s) to the change is detailed within the following narrative.

Table 2 – Cost Element Comparison Between 2020 and 2025 Estimates

Cost Element	2020 (\$1,000s)	2025 (\$1,000s)	Delta (\$1,000s)	Percent Change	Annual Change
Characterization/Surveys	20,549	25,128	4,579	22.3%	4.1%
Cooperate Support (Fixed Overhead)	17,592	20,031	2,439	13.9%	2.6%
Decontamination & Removal	253,063	308,018	54,956	21.7%	4.0%
Energy	10,690	12,052	1,363	12.7%	2.4%
Florida LLRW Inspection Fee	10,429	13,477	3,048	29.2%	5.3%
INPO, NEI Fees *	-	-	-	-	-
Insurance & Regulatory Fees	101,658	85,851	(15,807)	-15.5%	-3.3%
Misc Equip/Site Services	9,203	10,860	1,658	18.0%	3.4%
Program Management	509,493	479,581	(29,912)	-5.9%	-1.2%
Property Taxes	3,495	1,959	(1,536)	-43.9%	-10.9%
Security	149,156	172,998	23,841	16.0%	3.0%
Spent Fuel Management	142,650	147,766	5,117	3.6%	0.7%
Spent Fuel Pool Isolation	23,231	26,620	3,389	14.6%	2.8%
Waste Packaging, Transportation & Disposal	440,182	532,687	92,505	21.0%	3.9%
Waste Packaging, Transportation & Disposal - GTCC	54,073	67,757	13,684	25.3%	4.6%
Total	1,745,462	1,904,787	159,325	9.1%	1.8%

Characterization / Surveys – 22.3% increase over the five years or approximately 4.1% increase annually. The driver of this increase is due to escalation.

Corporate Support (Fixed Overhead) – Costs are based on the information provided by FPL in 2020 and escalated to 2025. These costs are applied across Periods 1-4 in the DCE estimate.

Decontamination & Removal – 21.7% increase over the five years or approximately 4.0% increase annually. This increase is due to escalation.

Energy – 12.7% increase over the five-year or approximately a 2.4% increase annually. The driver of this increase is escalation.

Florida LLRW Inspection Fee – 29.2% increase over the five-year period or approximately a 5.3% increase annually. The driver of this increase is escalation.

INPO, NEI Fees – It is assumed that these are no longer required once the plant has permanently shut down.

Insurance & Regulatory Fees – 15.5% decrease over the five-year period or approximately 3.3% annually. The primary driver of this decrease is that Period 5 is shortened 6 years. The insurance cost is carried until the spent fuel is removed from the site, this is for Periods 1-5. See Table 3 for the rates at shutdown. Note a decrease in rates provided except for Nuclear Liability Insurance Premium (NEIL) and the NRC hourly inspection rate and license fee. Note that Emergency Planning Fees (County & FEMA fees+) cease once all spent fuel is removed from the spent fuel pool.

The 2025 rates shown below in Table 3 do not contain contingency.

Table 3 – Insurance and Regulatory Comparison Between 2020 and 2025 Estimates

Annual Cost	2020	2025
Nuclear Liability Insurance Premium (per unit)	902,534	927,080
Nuclear Property Insurance Premium (site)	2,321,400	1,240,960
NRC License Fee (per unit)	172,000	326,000
Emergency Planning Fee (County & FEMA)	1,563,868	1,545,556
NRC Hourly Rate	278	317

Misc. Equipment / Site Services – 18.0% increase over the five-year period or 3.4% increase annually. The driver of this increase is escalation.

Program Management – 5.9% decrease over the five years or 1.2% decrease annually. The primary driver of this decrease is Period 5 being shortened 6 years.

Property Taxes – 43.9% decrease over the five-year period or 10.9% decrease annually. The driver of this decrease is Period 5 being shortened 6 years as well as the FPL provided annual taxes being lower in 2025 than in 2020.

Security – 16.0% increase over the five-year period or 3.0% increase annually. The main contributor to this increase is escalation.

Spent Fuel Management – 3.6% increase over the five years or 0.7% increase annually. The 2025 cost study assumes 22 less spent fuel transfer casks from pool to DOE, 10 less casks required from pool to ISFSI and 24 less casks required for ISFSI to DOE. This is a cask cost savings of 56 casks. The decrease is offset primarily due to escalation.

The DCE costs include ISFSI maintenance, spent fuel maintenance, all spent fuel transfers (both to DOE and ISFSI post shut down), and demolition of the ISFSI pad. Table 4 identifies a few of the major items included in the Spent Fuel Management comparison. The cost studies assume that no ISFSI expansion is required.

Table 4 – Spent Fuel Management Comparison Between 2020 and 2025 Estimates

Unit Costs (each)	2020	2025
Dry Storage Canister / Horizontal Storage Module	1,015,163	1,311,847
Loading / Transfer Cost	780,000	570,434
Pool to DOE Campaign Cost (Unit 1)	3,374,000	4,322,529
Pool to DOE Campaign Cost (Unit 2)	2,261,000	
Pool to ISFSI Cost		2,896,094
ISFSI Unloading Cost	115,000	128,142

Table 5 – Spent Fuel Activity Comparison Between 2020 and 2025

Activity	2020	2025
DOE Repository Opening	2030	2034
Spent Fuel Transfer - Pool to DOE	25 canisters	3 canisters
Spent Fuel Transfer - Pool to ISFSI	62 canisters	52 canisters
Spent Fuel Transfer - ISFSI to DOE	150 canisters	126 canisters
Final Year of DOE Pickup	2071	2082
ISFSI Operating Period (post unit 2 shutdown) (years)	25	19
GTCC Canisters	12 canisters	12 canisters

Spent Fuel Pool Isolation – 14.6% increase over the five years or 2.8% increase annually. Difference is due to escalation.

Waste Packaging, Transportation & Disposal (Class A, B, & C) – 21.0% increase over the five-year period or 3.9% increase annually. This increase is due to escalation.

Waste Packaging, Transportation & Disposal (GTCC) – 25.3% increase over the five-year period or 4.6% increase annually. The cost for disposal is approximately \$7,274 per cubic foot (including contingency) in the 2025 DCE as compared to approximately \$5,805 per cubic foot (including contingency) in the 2020 DCE. The difference is due to escalation.

Table 6 – Waste Comparison Between 2020 and 2025 Estimates

Waste Class	Waste Form	Cost Basis	Class	Waste Volume* (CF)	
				2020	2025
Low Level Radioactive Waste	Debris / Storm Drain	EnergySolutions	A	2,637,826	2,637,826
	Soil	EnergySolutions	A	2,013,205	2,013,205
	Debris	WCS	BC	3,740	3,740
Greater than Class C (GTCC)	Modified Dry Storage Containers (DSCs)	Spent Fuel Equivalent	GTCC	5,772	5,772
Total Disposal Volume				4,660,543	4,660,543
* volume is burial volume.					

CONCLUSION

The total cost to decommission the St. Lucie nuclear units increased 8.5% over the five-year period between the 2020 and 2025 estimates or approximately 1.6% annually.

As shown in Table 1, License Termination costs (or the cost associated with “decommissioning” as defined by the NRC in its financial assurance regulations) increased 11.7% over the five-year period (for an average annual increase of 2.2%).

The Spent Fuel Management subcategory contains costs associated with the interim storage of fuel at the St. Lucie site until such time that the DOE can take possession. The costs estimated for this activity increased 1.2% (an average annual increase of 0.24%) from 2020. The decreased cost of 56 required spent fuel transfer canisters and Period 5 shortening in duration by 6 years is offset primarily due to escalation.

Site restoration (used to capture costs associated with the dismantling and demolition of buildings and facilities demonstrated to be free from contamination) showed an increase of 12.5% or 2.4% annually over the five years. The primary contributor to this increase is escalation.

FLORIDA POWER & LIGHT COMPANY

2025 DECOMMISSIONING STUDY

TURKEY POINT NUCLEAR UNIT
NOS. 3 & 4

December 2025

**Florida Power & Light Company
2025 Decommissioning Study
Turkey Point Nuclear Units**

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SECTION 1

EXECUTIVE SUMMARY

Overview

FPL's 2025 Nuclear Decommissioning Study results are based on estimates and assumptions that follow Nuclear Regulatory Commission (NRC) requirements and industry guidelines for the development of the costs to remove and dismantle nuclear power plants years into the future. Funds are maintained and interest is reinvested in the decommissioning trusts as required by the NRC, Internal Revenue Service, the Federal Energy Regulatory Commission (FERC) and the Florida Public Service Commission (FPSC or the Commission). Under federal law, these funds may only be used for nuclear decommissioning, are not available for any other use and do not earn a return or interest for FPL. The study is essentially a snapshot, which shows that based on current assumptions FPL's nuclear decommissioning trust funds are appropriately funded, *i.e.*, the current fund balances exceed the expected costs of decommissioning on a present value basis. Compared to 2020, the currently calculated funding position has improved due in part to the assumed St Lucie license extension which will allow funds to grow for an additional twenty years. FPL customers have not contributed to the decommissioning trusts since 2005, and the study confirms that, as of December 31, 2025, the trusts continue to be adequately funded without additional FPL customer contributions.

Decommissioning studies represent the aggregation of numerous estimates for activities and costs that will not be incurred for at least 25 years. As such, they are highly dependent upon input assumptions that can and will change over time. For example, future funding positions could differ from today's position. The 2025 Nuclear Decommissioning Study was prepared by EnergySolutions, LLC (EnergySolutions or ES); the same consultant used for the last filed study in 2020. Adjustments to the underlying assumptions referenced above netted an overall increase in cost of 15.1% for Turkey Point and 9.1% for St. Lucie between the 2025 and 2020 studies. The increase in cost for the Turkey Point and St Lucie units is driven by increases in License Extension and Site Restoration, with the primary driver a result of escalation. A detailed analysis of the changes in assumptions is provided in the last section (Section 11 and 12) of each site reports. The current assumed long-term fund earnings rate of 4.5% is 0.5% higher than the assumption utilized in the 2020 Decommissioning Study due to changes in the allocations in the investment portfolio plus the impact of the assumed St. Lucie license extension. Such changes, regardless of direction, reaffirm the importance of maintaining adequate funding and the value of the periodic review of these studies as required by FPSC rule.

2025 Study Approach

The information contained in this 2025 Decommissioning Study is presented in compliance with Rule 25-6.04365, Florida Administrative Code (F.A.C.), and prior Commission Orders. FPL contracted EnergySolutions, a company experienced in managing nuclear decommissioning activities and a leader in radioactive waste management and disposal, to prepare its 2025 site-specific nuclear decommissioning cost analysis and comparison reports. These are all estimated costs based on NRC requirements, industry guidelines, and prior experience. EnergySolutions included the most up-to-date actual decommissioning information available to ensure the methodology used to prepare the cost analysis is reasonable.

FPL selected the DECON (immediate dismantlement) decommissioning option for its units. The DECON method provides not only a lower cost, but also enables a coordinated sequence of decommissioning events, which allows for a one-time mobilization of contractor personnel and equipment. FPL's choice of the DECON method is consistent with the method in prior studies

approved by the Commission for purposes of determining FPL's appropriate accrual and funding requirements.

Escalation Rate

The 2025 Decommissioning Study assumes that future decommissioning costs grow at an average rate of approximately 4.06 percent per year. This is an increase over the average escalation rate of 3.15 percent assumed in the 2020 study. While FPL believes that the current escalation rates are reasonable for the purpose of the 2025 Decommissioning Study, it should be noted that subsequent changes in the assumed escalation rate could increase, which would result in higher projected future decommissioning costs.

Spent Fuel Management

Consistent with prior studies and assumptions approved by the Commission, the decommissioning cost estimates include the cost associated with interim storage of spent nuclear fuel (SNF) on site until such time the Department of Energy (DOE) is able to remove SNF from the site. Consistent with the 2020 study, FPL reflects the reimbursements from the US. Government to cover the cost incurred for managing and storing SNF that would not have been incurred but for DOE's delay in SNF disposal. As such and for purposes of this study, the DOE is expected to make payments to FPL to cover spent fuel management costs incurred by FPL prior to 2070 for St. Lucie and 2066 for Turkey Point. The ultimate timing and amounts of reimbursements will depend on many factors, including but not limited to, the DOE's ability to receive SNF and the Government's compliance with the terms of the Settlement Agreement.

Conclusion

The 2025 Decommissioning Study indicates that the trusts are at an adequate funding level given current assumptions and projections. FPL has earned its customers' trust by using careful, prudent investment strategies in all facets of its business including the management of its nuclear decommissioning trusts. Despite market volatility, the funds remain secure. As a result, FPL's current annual expense accrual requirements for decommissioning costs presented in this study support a zero accrual and funding requirement as of December 31, 2025.

In addition, as required by the Commission in Order Nos. PSC-02-0055-PAA-EI and PSC-10-0153-FOF-EI, FPL has updated its estimates for End-of-Life Nuclear Fuel Last Core and End-of-Life Materials and Supplies Inventory balances for each of its nuclear sites. This information is provided for informational purposes with this study. FPL is not requesting a change in accruals at this time. Rather, FPL believes that the results of these updated values should be addressed in FPL's next base rate proceeding and that the appropriate changes in accruals, if any, should be made at that time.

SECTION 2

ASSUMPTIONS

**Florida Power & Light Company
2025 Decommissioning Study
Turkey Point Nuclear Units
Assumptions**

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Assumptions Summary

Following is a summary of the assumptions used to derive the annual accrual, and funding and revenue requirements. These assumptions are more fully developed on the following pages.

	<u>Unit No. 3</u>	<u>Unit No. 4</u>
Decommissioning Method	DECON (Prompt Removal/ Dismantling)	DECON (Prompt Removal/ Dismantling)
Total Decommissioning Cost Per EnergySolutions, LLC (Current cost estimate in 2025 \$)	\$746,407,000	\$819,741,000
FPL's Cost of Decommissioning - Jurisdictional (Current cost estimate in 2025 \$)	\$715,731,000	\$786,050,000
Method of Funding (2025 – End)	Qualified/ Nonqualified	Qualified/ Nonqualified
Funding Periods (Years to License Expiration)	26.54	27.29
Assumed Fund Earnings rate	4.5%	4.5%
Average Escalation Rate for Decommissioning Costs (2025 – End)	4.03%	3.97%
FPL Ownership Allocation (%)	100%	100%
FPSC Jurisdictional Separation Factor (%)	95.89%	95.89%
Estimated Fund Balance: Qualified Fund (As of 12/31/25)	\$675,103,000	\$773,406,000
Estimated Fund Balance: Nonqualified Fund (As of 12/31/25)	\$257,722,000	\$276,136,000

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	<u>Unit No. 3</u>	<u>Unit No. 4</u>
End of Life M & S Inventory Value: (As of 12/31/25)	N/A	\$54,428,359
End of Life Nuclear Fuel Last Core Value: (As of 12/31/25)	\$98,300,000	\$138,100,000
Year of Last Pick Up of Spent Fuel	2072	2072
Expected DOE Reimbursement (Current cost estimate in 2025 \$)	\$129,402,000	\$122,330,000

Decommissioning Methods

For purposes of this analysis, decommissioning is defined as the activity whereby nuclear facilities are removed safely from service and residual radioactivity is reduced to a level that permits release of the property for unrestricted use and termination of the operating license granted under Title 10 Code of Federal Regulations (CFR) Part 50. Decommissioning also includes the dismantlement, disposal and site restoration activities associated with the non-contaminated portion of the facilities. These activities are not required for termination of the operating license but are required to address other non-radiological requirements associated with the release of the site.

The Nuclear Regulatory Commission (NRC) has defined three acceptable decommissioning methods: Prompt Removal/Dismantling (DECON); Safe Storage/Deferred Decontamination (SAFSTOR); and Entombment (ENTOMB). The study utilizes the NRC terminology, but also includes the additional activities required to accommodate the non-contaminated portion of the facilities.

The DECON and SAFSTOR alternatives were both examined and are presented in the EnergySolutions Decommissioning Cost Analysis (Section 10) of this filing. The ENTOMB alternative was not considered, because it is considered impractical for a facility which generates significant amounts of long-lived radioactive material due to neutron activation. FPL selected the DECON decommissioning option for Turkey Point Units 3 and 4. The DECON method provides not only a lower cost, but also enables a sequence of events, which allows for a one-time mobilization of contractor personnel and equipment. This method is consistent with the method in prior studies approved by the Commission for purposes of determining the appropriate accrual and funding requirements.

**Florida Power & Light Company
2025 Decommissioning Study
Turkey Point Nuclear Units
Assumptions**

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Total Decommissioning Costs

Below are the total estimated costs of decommissioning the Turkey Point facility as provided by FPL's consultant, EnergySolutions in 2025 dollars.

Turkey Point Unit No. 3

Labor	\$396,575,000
Equip & Materials	131,298,000
Transportation	36,906,000
Burial	120,783,000
Other	<u>60,845,000</u>
Total	\$746,407,000

Turkey Point Unit No. 4

Labor	\$383,146,000
Equip & Materials	150,891,000
Transportation	51,025,000
Burial	173,771,000
Other	<u>60,908,000</u>
Total	\$819,741,000

Funding Method

In Docket No. 810100-EU, Order No. 10987 issued July 13, 1982, the FPSC ordered FPL to establish a funded reserve. Beginning in 1983 FPL began making contributions, on a net of tax basis, to an externally funded reserve. In 1986, the Treasury Department issued temporary regulations under Internal Revenue Code Section 468A relating to the deductibility of contributions made to a qualified decommissioning fund. These regulations, which were finalized in March of 1988, provide for an annual election by the taxpayer to make tax-deductible contributions to a qualified nuclear decommissioning fund. Qualified nuclear decommissioning funds have been established by FPL for each of the four nuclear units. FPL elected to make contributions to the qualified funds, to the maximum allowed, for the years 1984 through 1987, 1992 through 2004 and for the year to date period ended August 31, 2005. Per the Stipulation and Settlement Agreement approved by the Commission in FPSC Order No. PSC-05-0902-S-EI, FPL suspended accruals effective September 1, 2005, and as such, no additional contributions to the funds have been made subsequent to that date.

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The funding analysis presented in Schedule G of this study indicates that no additional contributions to the qualified and nonqualified funds are projected to be required through the remainder of the funding period that ends with the expiration of the unit's operating license. Only the after-tax earnings of the trust fund investments are assumed to continue to be reinvested and accumulated in the respective funds. Future decommissioning expenditures are assumed to be distributed from the qualified and nonqualified funds in proportion to the balance accumulated at the time of expenditure.

Funding Period

The funding period, to the extent funding is required, is that period over which revenues are collected from ratepayers for purposes of decommissioning the Turkey Point Units. Funding periods for both units end on the last day of the month in which the operating license for the unit is due to expire. The operating license expiration dates for the Turkey Point units are as follows.

- Turkey Point Unit No. 3 - July 19, 2052
- Turkey Point Unit No. 4 - April 10, 2053

Based on the results of the funding analysis presented in Support Schedule G, no additional funding is required at this time.

Fund Earnings Rate

For purposes of this 2025 study update and funding analysis, the projected annual funds earnings rate, net of taxes and all other administrative costs charged to the trust funds, for Units 3 and 4 qualified and nonqualified fund investments, is assumed to be 4.5%. This assumption is based on a projected real long-term, after tax and net of fees, earnings rate of 2.0% plus an estimated long term average inflation rate of 2.5%. The long-term, after tax and net of fees earnings rate reflects the projection of continued adequacy of the funds and assumes a conservative investment strategy where the funds are moved to 100% fixed income prior to the first year of decommissioning and a more conservative all bonds and cash asset mix in the final years of decommissioning. FPL recognizes that over the long-term period there will likely be periods when the earned return may be greater or less than the assumed 4.5%. Consistent with prior Commission practice and Rule 25-6.04365 F.A.C., the assumptions presented in this 2025 Decommissioning Study will be reviewed and updated as appropriate “at least once every five years”.

The annual rates of change in CPI were taken from “The U. S. Economy, The 30 – Year Outlook, November 2025”, published by Global Insight.

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Escalation Rate

The annual escalation rates used to estimate total future dismantlement costs from 2025 through the final year of decommissioning are as follows:

	<u>Average Annual Escalation Rate</u>
Turkey Point Unit No. 3	4.03%
Turkey Point Unit No. 4	3.97%

The above rates were derived by applying separate inflation indices to each of the major cost components of Labor, Materials and Equipment, Transportation, Burial, and Other.

<u>Cost Component</u>	<u>Inflation Index</u>
Labor	Compensation per Hour (Nonfarm)
Materials and Equipment	PPI - Intermediate Materials, Supplies, and Components
Transportation	GDP Deflator – Transportation Services
Burial	FPL Analysis & CPI
Other	GDP (Implicit)

For purposes of this 2025 study update, the inflation indices were obtained from “The U.S. Economy, The 30 – Year Outlook, November 2025”, published by Global Insight except for the burial index.

The burial cost estimates are assumed to escalate at an average annual rate of 2%. This is consistent with the assumed rate used the 2020 study. FPL has an agreement with EnergySolutions which provides for the long-term disposal of Class A waste generated during decommissioning. As such, burial costs for disposal of Class A waste is estimated based on the EnergySolutions agreement. In addition, the cost estimates for processed/conditioned (at off-site recycling center) disposal of Class A waste is assumed to be at a competitive rate comparable to the EnergySolutions pricing. Burial cost rates for Class B and Class C waste, not covered by the EnergySolutions Agreement, are less certain and based on rates equivalent to published Low Level Waste (LLW) Burial Site rates. FPL is assuming the escalation rate applicable to Class B and C waste is to be 0% due to the decrease in historical rate of change of the most recently published NRC NUREG 1307, Revision 20 which assumes the cost for disposal of Class B and C is the same as that for the Texas disposal facility located in states not affiliated with the Texas Compact. The resulting annual escalation rate of 2% is a weighted average rate for both St. Lucie and Turkey Point.

For a more detail calculation of the overall weighted average escalation rate and annual rate of change

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for each component, please refer to Support Schedule G ("Inflation and Funding Analysis").

FPSC Jurisdictional Factor

The factor applicable to both units is 95.8901%.

Fund Balances

Estimated/actual fund balances (qualified and nonqualified) at December 31, 2025^(a) for each of the two Turkey Point Units are as Follows:

	<u>Qualified</u>	<u>Nonqualified</u>
Unit No. 3	\$675,103,000	\$257,722,000
Unit No. 4	\$773,406,000	\$276,136,000

(a) Excluding unrealized market gains/losses.

See support Schedule C ("Projected Fund and Reserve Balances") for detail composition and adjustments to the qualified and nonqualified fund balances.

End of Life Materials and Supplies Inventory Values

The decommissioning cost estimates contained in the EnergySolutions Decommissioning Cost Analysis (Section 10) of this study and in the funding analysis contained in Support Schedule G of this filing do not take into consideration the unrecovered value of any Materials and Supplies Inventories that will ultimately exist at the site following shut down of both units. Both FPL and this Commission have previously recognized that there will be a level of inventories that will remain at the end of life of Unit No. 4, the last unit to reach end of license, which must be recovered prior to the end of site operations. These inventories are unique and will have little value other than scrap value when the units are decommissioned. In Order No. PSC-02-0055-PAA-EI, the Commission authorized FPL to begin recording the amortization of estimated end of life materials and supplies costs as a base rate fuel expense with a credit to a separate (unfunded) sub-account of Reserve Account 228. Additionally, the Commission directed the Company to address the costs associated with the materials and supplies in subsequent decommissioning studies so that the related annual accruals can be revised, if warranted. The annual expense/reserve accruals associated with End of

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Life Inventories are being accounted for, as directed by the Commission, in a separate (unfunded) Reserve sub-account of FERC Account 228.

As provided in Support Schedule E of this study, the Materials and Supplies inventory balance, less estimated salvage, that is anticipated to remain at the end of life of Unit No. 4, the last unit to reach end of license, is projected to be \$54,428,359. The actual balance accrued as of December 31, 2025 is \$24,824,210. FPL is not requesting a change in accruals at this time. Rather, FPL believes that the results of these updated values for End of Life Materials and Supplies should be addressed in FPL's next base rate proceeding and the appropriate changes in accruals, if any, be made at that time.

End of Life Last Core Nuclear Fuel Values

FPL recognizes that there will be unburned fuel that will remain in the fuel assemblies at the end of the last operating cycle of each nuclear unit when it ceases operation. In Docket No 981246-EI the Commission found that the cost associated with the Last Core were costs that should be considered a base rate future obligation and that amortization of this obligation over the remaining life span of each nuclear unit ratably allocates the costs to those customers receiving the benefit of the nuclear generation and avoids a burdensome expense at the time of unit shut down. In Order No. PSC-002-0055-PAA-EI the Commission authorized FPL to begin recording the amortization of estimated Last Core costs as a base rate fuel expense with a credit to a separate (unfunded) Reserve sub-account of FERC Account 228. Additionally, the Commission directed the Company to address the costs associated with the Last Core in subsequent decommissioning studies so that the related annual accruals can be revised, if warranted. The annual expense/reserve accruals associated with End of Life Nuclear Fuel Last Core values are accounted for, as directed by the Commission, in a separate Reserve (unfunded) sub-account of FERC Account 228.

As provided in Support Schedule F of this study, the estimated cost of unburned fuel remaining in the reactor at the end of life (end of license) for each unit is:

- | | |
|--------------|---------------|
| • Unit No. 3 | \$98,300,000 |
| • Unit No. 4 | \$138,100,000 |

The actual balances accrued as of December 31, 2025 are:

- | | |
|--------------|--------------|
| • Unit No. 3 | \$43,916,617 |
|--------------|--------------|

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- Unit No. 4 \$39,473,890

FPL is not requesting a change in accruals at this time. Rather, FPL believes that the results of these updated values for End of Life Nuclear Fuel Last Core should be addressed in FPL's next base rate proceeding and the appropriate changes in accruals, if any, be made at that time.

Spent Nuclear Fuel Storage

The Nuclear Waste Policy Act of 1982 assigns to the Federal Government responsibility to provide for the permanent disposal of spent nuclear fuel (SNF) and high-level radioactive waste (HLW), and committed the DOE to begin acceptance of SNF/HLW not later than January 31, 1998 under terms of its Standard Disposal Contracts with waste generators. The DOE has not yet provided for SNF storage and is not accepting SNF as committed to under the contract.

In Docket No. 941350-EI, and No. 981246-EI, the FPSC recognized the impact on the decommissioning process and the potential costs of on-site dry fuel storage resulting from the inability of the DOE to provide for the timely removal of SNF. In Order Nos. PSC-95-1531-FOF-EI and PSC-02-0055-PAA-EI, the FPSC specifically approved the inclusion of costs associated with the dry storage of spent nuclear fuel following the end of each unit's operating license which were considered necessary to accommodate the timely decommissioning of each unit.

Consistent with the Commission's prior findings, this updated 2025 decommissioning study includes the costs relating to the construction, operation, and dismantlement of an on-site independent spent fuel storage installation (ISFSI) that is required to accommodate the timely decommissioning of the Turkey Point units. The potential cost impact of extended spent fuel storage that will exist subsequent to the license expiration of the Turkey Point nuclear units is presented in (Section 10) of the 2025 Decommissioning Cost Analysis for the Turkey Point Plant. The decommissioning cost estimates included in this filing are based on the EnergySolutions prepared Decommissioning Cost Analysis for the Turkey Point Plant, Units 3 and 4 dated December 2025.

In addition, FPL and certain nuclear plant joint owners signed a settlement agreement (spent fuel settlement agreement) with the U.S. Government in 2009 agreeing to dismiss with prejudice lawsuits filed against the U.S. Government seeking damages caused by the DOE's failure to dispose of spent nuclear fuel from FPL's nuclear plants. As such, the DOE is expected to continue to make payments to FPL to cover the costs incurred for managing and storing the spent fuel that it would not have incurred but for DOE's delay in performance.

**Florida Power & Light Company
2025 Decommissioning Study
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Below are the Turkey Point estimated costs of Decommissioning expected to be recovered from the DOE as provided by FPL's consultant, EnergySolutions, LLC in 2025 dollars.

Turkey Point Unit No. 3

Labor	\$83,522,000
Equip & Materials	31,518,000
Other	<u>14,361,000</u>
Total	\$129,402,000

Turkey Point Unit No. 4

Labor	\$75,350,000
Equip & Materials	33,767,000
Other	<u>13,212,000</u>
Total	\$122,330,000

Further discussion of the costs and assumptions regarding DOE reimbursement is contained in Section 5.0 of the Decommissioning Cost Analysis for the Turkey Point Plant, Units 3 and 4 dated December 2025. Consistent with prior Commission practice and Rule 25-6.04365 F.A.C., the assumptions presented in this 2025 Decommissioning Study related to DOE reimbursement will be reviewed and updated as appropriate "at least once every five years".

Annual Decommissioning Accrual Requirements

FPL's current annual expense accrual requirements for Turkey Point Nuclear Plant Decommissioning costs presented in this study support a zero accrual and funding requirement as of December 31, 2025. The decommissioning costs estimates, funding analysis, and supporting assumptions presented in this study were prepared in a manner consistent with prior Commission approved studies, methodologies and practices.

SECTION 3

SUPPORT SCHEDULE A

Nuclear Decommissioning Reserve Balance
December 31, 2020 through October 31, 2025

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Reserve Balances (1)
December 31, 2020 through October 31, 2025
\$000

<u>December 31, 2020</u>	<u>Beginning Balance</u>	<u>Revenues Collected</u>	<u>Earnings to Reserve</u>	<u>Ending Balance</u>
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$330,331	\$0	\$4,542	\$334,873
Turkey Point Unit No. 4	353,932	0	4,868	358,800
St. Lucie Unit No. 1	297,652	0	4,093	301,745
St. Lucie Unit No. 2	144,975	0	2,000	146,974
TOTAL	\$1,126,889	\$0	\$15,502	\$1,142,392
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$505,214	\$0	\$25,919	\$531,133
Turkey Point Unit No. 4	578,833	0	29,682	608,514
St. Lucie Unit No. 1	654,421	0	33,554	687,975
St. Lucie Unit No. 2	598,395	0	30,660	629,056
TOTAL	\$2,336,863	\$0	\$119,815	\$2,456,678
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$835,544	\$0	\$30,461	\$866,006
Turkey Point Unit No. 4	932,765	0	34,549	967,314
St. Lucie Unit No. 1	952,073	0	37,646	989,720
St. Lucie Unit No. 2	743,370	0	32,660	776,030
TOTAL	\$3,463,752	\$0	\$135,317	\$3,599,069
<u>December 31, 2021</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$334,873	\$0	\$8,011	\$342,884
Turkey Point Unit No. 4	358,800	0	8,585	367,385
St. Lucie Unit No. 1	301,745	0	7,218	308,963
St. Lucie Unit No. 2	146,974	0	3,527	150,501
TOTAL	\$1,142,392	\$0	\$27,341	\$1,169,733
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$531,133	\$0	\$32,948	\$564,081
Turkey Point Unit No. 4	608,514	0	37,738	646,253
St. Lucie Unit No. 1	687,975	0	42,668	730,643
St. Lucie Unit No. 2	629,056	0	38,977	668,032
TOTAL	\$2,456,678	\$0	\$152,331	\$2,609,009
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$866,006	\$0	\$40,959	\$906,965
Turkey Point Unit No. 4	967,314	0	46,324	1,013,638
St. Lucie Unit No. 1	989,720	0	49,886	1,039,606
St. Lucie Unit No. 2	776,030	0	42,504	818,533
TOTAL	\$3,599,069	\$0	\$179,673	\$3,778,742

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Reserve Balances (1)
December 31, 2020 through October 31, 2025
\$000

<u>December 31, 2022</u>	<u>Beginning Balance</u>	<u>Revenues Collected</u>	<u>Earnings to Reserve</u>	<u>Ending Balance</u>
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$342,884	\$0	\$11,486	\$354,370
Turkey Point Unit No. 4	367,385	0	12,310	379,695
St. Lucie Unit No. 1	308,963	0	10,350	319,312
St. Lucie Unit No. 2	150,501	0	5,057	155,559
TOTAL	<u>\$1,169,733</u>	<u>\$0</u>	<u>\$39,203</u>	<u>\$1,208,936</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$564,081	\$0	\$6,292	\$570,373
Turkey Point Unit No. 4	646,253	0	7,208	653,461
St. Lucie Unit No. 1	730,643	0	8,150	738,793
St. Lucie Unit No. 2	668,032	0	7,444	675,476
TOTAL	<u>\$2,609,009</u>	<u>\$0</u>	<u>\$29,094</u>	<u>\$2,638,103</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$906,965	\$0	\$17,779	\$924,743
Turkey Point Unit No. 4	1,013,638	0	19,517	1,033,155
St. Lucie Unit No. 1	1,039,606	0	18,500	1,058,106
St. Lucie Unit No. 2	818,533	0	12,501	831,035
TOTAL	<u><u>\$3,778,742</u></u>	<u><u>\$0</u></u>	<u><u>\$68,297</u></u>	<u><u>\$3,847,039</u></u>
<u>December 31, 2023</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$354,370	\$0	\$8,742	\$363,112
Turkey Point Unit No. 4	379,695	0	9,369	389,064
St. Lucie Unit No. 1	319,312	0	7,877	327,189
St. Lucie Unit No. 2	155,559	0	3,849	159,407
TOTAL	<u>\$1,208,936</u>	<u>\$0</u>	<u>\$29,837</u>	<u>\$1,238,772</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$570,373	\$0	\$26,233	\$596,606
Turkey Point Unit No. 4	653,461	0	30,044	683,505
St. Lucie Unit No. 1	738,793	0	33,966	772,760
St. Lucie Unit No. 2	675,476	0	31,032	706,508
TOTAL	<u>\$2,638,103</u>	<u>\$0</u>	<u>\$121,276</u>	<u>\$2,759,379</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$924,743	\$0	\$34,975	\$959,718
Turkey Point Unit No. 4	1,033,155	0	39,413	1,072,569
St. Lucie Unit No. 1	1,058,106	0	41,843	1,099,949
St. Lucie Unit No. 2	831,035	0	34,881	865,916
TOTAL	<u><u>\$3,847,039</u></u>	<u><u>\$0</u></u>	<u><u>\$151,112</u></u>	<u><u>\$3,998,151</u></u>

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Reserve Balances (1)
December 31, 2020 through October 31, 2025
\$000

<u>December 31, 2024</u>	<u>Beginning Balance</u>	<u>Revenues Collected</u>	<u>Earnings to Reserve</u>	<u>Ending Balance</u>
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$363,112	\$0	\$19,162	\$382,275
Turkey Point Unit No. 4	389,064	0	20,536	409,599
St. Lucie Unit No. 1	327,189	0	17,266	344,455
St. Lucie Unit No. 2	159,407	0	8,437	167,844
TOTAL	<u>\$1,238,772</u>	<u>\$0</u>	<u>\$65,401</u>	<u>\$1,304,173</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$596,606	\$0	\$40,807	\$637,412
Turkey Point Unit No. 4	683,505	0	46,732	730,237
St. Lucie Unit No. 1	772,760	0	52,831	825,590
St. Lucie Unit No. 2	706,508	0	48,273	754,781
TOTAL	<u>\$2,759,379</u>	<u>\$0</u>	<u>\$188,642</u>	<u>\$2,948,021</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$959,718	\$0	\$59,969	\$1,019,687
Turkey Point Unit No. 4	1,072,569	0	67,268	1,139,836
St. Lucie Unit No. 1	1,099,949	0	70,097	1,170,045
St. Lucie Unit No. 2	865,916	0	56,709	922,625
TOTAL	<u><u>\$3,998,151</u></u>	<u><u>\$0</u></u>	<u><u>\$254,043</u></u>	<u><u>\$4,252,194</u></u>
<u>October 31, 2025</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$382,275	\$0	\$16,367	\$398,642
Turkey Point Unit No. 4	409,599	0	17,541	427,140
St. Lucie Unit No. 1	344,455	0	14,747	359,202
St. Lucie Unit No. 2	167,844	0	7,206	175,050
TOTAL	<u>\$1,304,173</u>	<u>\$0</u>	<u>\$55,862</u>	<u>\$1,360,035</u>
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$637,412	\$0	\$34,264	\$671,677
Turkey Point Unit No. 4	730,237	0	39,245	769,482
St. Lucie Unit No. 1	825,590	0	44,368	869,958
St. Lucie Unit No. 2	754,781	0	40,534	795,315
TOTAL	<u>\$2,948,021</u>	<u>\$0</u>	<u>\$158,411</u>	<u>\$3,106,431</u>
<u>TOTAL RESERVES</u>				
Turkey Point Unit No. 3	\$1,019,687	\$0	\$50,632	\$1,070,319
Turkey Point Unit No. 4	1,139,836	0	56,785	1,196,622
St. Lucie Unit No. 1	1,170,045	0	59,115	1,229,161
St. Lucie Unit No. 2	922,625	0	47,740	970,365
TOTAL	<u><u>\$4,252,194</u></u>	<u><u>\$0</u></u>	<u><u>\$214,273</u></u>	<u><u>\$4,466,466</u></u>

Note 1: Balances exclude unrealized market gains/losses.

SECTION 4

SUPPORT SCHEDULE B Nuclear Decommissioning Fund Balance December 31, 2020 through October 31, 2025

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Fund Balances (1)
December 31, 2020 through October 31, 2025
\$000

	Beginning Balance	Contribution	Fund Earnings	Ending Balance
<u>December 31, 2020</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$205,363	\$0	\$3,429	\$208,792
Turkey Point Unit No. 4	220,037	0	3,674	223,711
St Lucie Unit No. 1	185,047	0	3,090	188,137
St Lucie Unit No. 2	90,133	0	1,505	91,638
Total	\$700,580	\$0	\$11,697	\$712,278
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$505,214	\$0	\$25,959	\$531,172
Turkey Point Unit No. 4	578,833	0	29,727	608,560
St Lucie Unit No. 1	654,421	0	33,605	688,026
St Lucie Unit No. 2	598,395	0	30,707	629,102
Total	\$2,336,863	\$0	\$119,998	\$2,456,860
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$710,577	\$0	\$29,388	\$739,965
Turkey Point Unit No. 4	798,870	0	33,401	832,271
St Lucie Unit No. 1	839,469	0	36,695	876,163
St Lucie Unit No. 2	688,528	0	32,212	720,740
Total	\$3,037,443	\$0	\$131,695	\$3,169,138
<u>December 31, 2021</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$208,792	\$0	\$6,061	\$214,853
Turkey Point Unit No. 4	223,711	0	6,494	230,205
St Lucie Unit No. 1	188,137	0	5,461	193,598
St Lucie Unit No. 2	91,638	0	2,660	94,298
Total	\$712,278	\$0	\$20,676	\$732,954
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$531,172	\$0	\$32,909	\$564,081
Turkey Point Unit No. 4	608,560	0	37,693	646,253
St Lucie Unit No. 1	688,026	0	42,617	730,643
St Lucie Unit No. 2	629,102	0	38,930	668,032
Total	\$2,456,860	\$0	\$152,148	\$2,609,009
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$739,965	\$0	\$38,969	\$778,934
Turkey Point Unit No. 4	832,271	0	44,187	876,458
St Lucie Unit No. 1	876,163	0	48,078	924,241
St Lucie Unit No. 2	720,740	0	41,590	762,330
Total	\$3,169,138	\$0	\$172,825	\$3,341,963

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Fund Balances (1)
December 31, 2020 through October 31, 2025
\$000

	Beginning Balance	Contribution	Fund Earnings	Ending Balance
<u>December 31, 2022</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$214,853	\$0	\$8,580	\$223,433
Turkey Point Unit No. 4	230,205	0	9,193	239,398
St Lucie Unit No. 1	193,598	0	7,731	201,329
St Lucie Unit No. 2	94,298	0	3,766	98,063
Total	\$732,954	\$0	\$29,270	\$762,224
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$564,081	\$0	\$6,292	\$570,373
Turkey Point Unit No. 4	646,253	0	7,208	653,461
St Lucie Unit No. 1	730,643	0	8,150	738,793
St Lucie Unit No. 2	668,032	0	7,444	675,476
Total	\$2,609,009	\$0	\$29,094	\$2,638,103
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$778,934	\$0	\$14,872	\$793,806
Turkey Point Unit No. 4	876,458	0	16,401	892,858
St Lucie Unit No. 1	924,241	0	15,881	940,123
St Lucie Unit No. 2	762,330	0	11,210	773,539
Total	\$3,341,963	\$0	\$58,364	\$3,400,327
<u>December 31, 2023</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$223,433	\$0	\$6,529	\$229,963
Turkey Point Unit No. 4	239,398	0	6,996	246,394
St Lucie Unit No. 1	201,329	0	5,883	207,213
St Lucie Unit No. 2	98,063	0	2,866	100,929
Total	\$762,224	\$0	\$22,275	\$784,498
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$570,373	\$0	\$26,233	\$596,606
Turkey Point Unit No. 4	653,461	0	30,044	683,505
St Lucie Unit No. 1	738,793	0	33,966	772,760
St Lucie Unit No. 2	675,476	0	31,032	706,508
Total	\$2,638,103	\$0	\$121,276	\$2,759,379
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$793,806	\$0	\$32,762	\$826,568
Turkey Point Unit No. 4	892,858	0	37,040	929,899
St Lucie Unit No. 1	940,123	0	39,850	979,973
St Lucie Unit No. 2	773,539	0	33,898	807,437
Total	\$3,400,327	\$0	\$143,550	\$3,543,877

Note 1: Balances exclude unrealized market gains/losses.

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Nuclear Decommissioning Fund Balances (1)
December 31, 2020 through October 31, 2025
\$000

	Beginning Balance	Contribution	Fund Earnings	Ending Balance
<u>December 31, 2024</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$229,963	\$0	\$14,312	\$244,275
Turkey Point Unit No. 4	246,394	0	15,335	261,728
St Lucie Unit No. 1	207,213	0	12,896	220,109
St Lucie Unit No. 2	100,929	0	6,282	107,211
Total	\$784,498	\$0	\$48,825	\$833,323
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$596,606	\$0	\$40,807	\$637,412
Turkey Point Unit No. 4	683,505	0	46,732	730,237
St Lucie Unit No. 1	772,760	0	52,831	825,590
St Lucie Unit No. 2	706,508	0	48,273	754,781
Total	\$2,759,379	\$0	\$188,642	\$2,948,021
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$826,568	\$0	\$55,119	\$881,687
Turkey Point Unit No. 4	929,899	0	62,067	991,965
St Lucie Unit No. 1	979,973	0	65,727	1,045,700
St Lucie Unit No. 2	807,437	0	54,554	861,992
Total	\$3,543,877	\$0	\$237,467	\$3,781,344
<u>October 31, 2025</u>				
<u>NONQUALIFIED</u>				
Turkey Point Unit No. 3	\$244,275	\$0	\$12,225	\$256,499
Turkey Point Unit No. 4	261,728	0	13,098	274,827
St Lucie Unit No. 1	220,109	0	11,015	231,125
St Lucie Unit No. 2	107,211	0	5,365	112,576
Total	\$833,323	\$0	\$41,704	\$875,027
<u>QUALIFIED</u>				
Turkey Point Unit No. 3	\$637,412	\$0	\$34,264	\$671,677
Turkey Point Unit No. 4	730,237	0	39,245	769,482
St Lucie Unit No. 1	825,590	0	44,368	869,958
St Lucie Unit No. 2	754,781	0	40,534	795,315
Total	\$2,948,021	\$0	\$158,411	\$3,106,431
<u>TOTAL</u>				
Turkey Point Unit No. 3	\$881,687	\$0	\$46,489	\$928,176
Turkey Point Unit No. 4	991,965	0	52,343	1,044,309
St Lucie Unit No. 1	1,045,700	0	55,383	1,101,083
St Lucie Unit No. 2	861,992	0	45,899	907,891
Total	\$3,781,344	\$0	\$200,114	\$3,981,458

Note 1: Balances exclude unrealized market gains/losses.

SECTION 5

SUPPORT SCHEDULE C

Projected Fund and Reserve Balance at December 31, 2025

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule: Projected Fund and Reserve Balance at December 31, 2025 ^(a)
\$000

	TURKEY POINT UNIT 3	TURKEY POINT UNIT 4	ST. LUCIE UNIT 1	ST. LUCIE UNIT 2 (Note 1)	TOTALS
NON-QUALIFIED FUND					
Actual Fund Balance @ 10/31/2025	\$256,499	\$274,827	\$231,125	\$112,576	\$875,027
Add: Estimate Income Nov. & Dec. 2025 (after-tax)	1,222	1,310	1,102	537	4,170
Est/Actual Fund Balance @ 12/31/2025	<u>\$257,722</u>	<u>\$276,136</u>	<u>\$232,226</u>	<u>\$113,113</u>	<u>\$879,197</u>
QUALIFIED FUND					
Actual Fund Balance @ 10/31/2025	\$671,677	\$769,482	\$869,958	\$795,315	\$3,106,431
Add: Estimate Income Nov. & Dec. 2025 (after-tax)	3,426	3,924	4,437	4,053	15,841
Est/Actual Fund Balance @ 12/31/2025	<u>\$675,103</u>	<u>\$773,406</u>	<u>\$874,395</u>	<u>\$799,368</u>	<u>\$3,122,273</u>
TOTAL FUND					
Actual Fund Balance @ 10/31/2025	\$928,176	\$1,044,309	\$1,101,083	\$907,891	\$3,981,458
Add: Estimate Income Nov. & Dec. 2025 (after-tax)	4,649	5,234	5,538	4,590	20,011
Est/Actual Fund Balance @ 12/31/2025	<u><u>\$932,825</u></u>	<u><u>\$1,049,543</u></u>	<u><u>\$1,106,621</u></u>	<u><u>\$912,481</u></u>	<u><u>\$4,001,470</u></u>
NON-QUALIFIED RESERVE					
Actual Reserve Balance @ 10/31/2025	\$398,642	\$427,140	\$359,202	\$175,050	\$1,360,035
Add: Estimate Income Nov. & Dec. 2025	1,637	1,754	1,475	719	5,586
Est/Actual Reserve Balance@12/31/2025	<u>\$400,280</u>	<u>\$428,894</u>	<u>\$360,678</u>	<u>\$175,769</u>	<u>\$1,365,621</u>
QUALIFIED RESERVE					
Actual Reserve Balance @ 10/31/2025	\$671,677	\$769,482	\$869,958	\$795,315	\$3,106,431
Add: Estimate Income Nov. & Dec. 2025	3,426	3,924	4,437	4,053	15,841
Est/Actual Reserve Balance@12/31/2025	<u>\$675,103</u>	<u>\$773,406</u>	<u>\$874,395</u>	<u>\$799,368</u>	<u>\$3,122,273</u>
TOTAL RESERVE					
Actual Reserve Balance @ 10/31/2025	\$1,070,319	\$1,196,622	\$1,229,161	\$970,365	\$4,466,466
Add: Estimate Income Nov. & Dec. 2025	5,064	5,679	5,912	4,772	21,427
Est/Actual Reserve Balance@12/31/2025	<u><u>\$1,075,383</u></u>	<u><u>\$1,202,301</u></u>	<u><u>\$1,235,073</u></u>	<u><u>\$975,137</u></u>	<u><u>\$4,487,894</u></u>

^(a) Balances exclude unrealized market gains/losses.

Note 1: Amounts for St Lucie Common are included with Unit No. 2

SECTION 6

SUPPORT SCHEDULE D

Reconciliation of Projected Fund and Reserve Balance
at December 31, 2025

Florida Power & Light Company
2025 Decommissioning Study

Support Schedule: Reconciliation of Projected Fund and Reserve Balance at December 31, 2025 ^(a)
\$000

RECONCILIATION FUND/RESERVE

Projected 12/31/2025

	TURKEY POINT UNIT 3	TURKEY POINT UNIT 4	ST. LUCIE UNIT 1	ST. LUCIE UNIT 2 (Note 1)	TOTALS
NON-QUALIFIED					
Projected Fund Balance @12/31/2025	\$257,722	\$276,136	\$232,226	\$113,113	\$879,197
Remeasurement of Deferred Tax - Federal	41,402	44,359	37,305	18,166	141,232
Remeasurement of Deferred Tax - State	(272)	(290)	(243)	(118)	(923)
Deferred Tax @ 12/31/2025	101,451	108,703	91,414	44,549	346,117
Projected Reserve Balance @ 12/31/2025	<u>\$400,280</u>	<u>\$428,894</u>	<u>\$360,678</u>	<u>\$175,769</u>	<u>\$1,365,621</u>

QUALIFIED					
Projected Fund Balance @12/31/2025	\$675,103	\$773,406	\$874,395	\$799,368	\$3,122,273
Deferred Tax @ 12/31/2025	\$0	\$0	\$0	\$0	\$0
Projected Reserve Balance @ 12/31/2025	<u>\$675,103</u>	<u>\$773,406</u>	<u>\$874,395</u>	<u>\$799,368</u>	<u>\$3,122,273</u>

TOTAL					
Projected Fund Balance @12/31/2025	\$932,825	\$1,049,543	\$1,106,621	\$912,481	4,001,470
Re-measurement of Deferred Tax - Federal	41,402	44,359	37,305	18,166	141,232
Re-measurement of Deferred Tax - State	(272)	(290)	(243)	(118)	(923)
Deferred Tax @ 12/31/2025	101,451	108,703	91,414	44,549	346,117
Projected Reserve Balance @ 12/31/2025	<u>\$1,075,406</u>	<u>\$1,202,315</u>	<u>\$1,235,097</u>	<u>\$975,077</u>	<u>\$4,487,895</u>

DEFERRED TAXES

Projected balance @ 12/31/2025

NON-QUALIFIED FUND					
Balance @ 10/31/2025 (Fed & State)	\$101,036	\$108,259	\$91,040	\$44,367	\$344,701
Add: Tax on Earnings - November & December	415	445	374	182	1,416
Balance @ 12/31/2025 (Fed & State)	<u>\$101,451</u>	<u>\$108,703</u>	<u>\$91,414</u>	<u>\$44,549</u>	<u>\$346,117</u>

^(a) Balances exclude unrealized market gains/losses.

Note (1): Amounts for St Lucie Common are included with Unit No. 2

SECTION 7

SUPPORT SCHEDULE E End-of-Life Materials and Supplies Inventory Expense Accrual Calculation

Florida Power and Light Company
2025 Decommissioning Study
Support Schedule: End-of-Life Materials and Supplies Inventory

<u>Line Number</u>		<u>Turkey Point Unit 4</u>
1	Adjusted Ending Inventory Value @ End of License	\$ 56,354,176
2	Estimated Salvage	(1,925,817)
3	Inventory Subject to Write-off	<u>\$ 54,428,359</u>
4		
5	FPL's Ownership Share Net of Participants ⁽¹⁾	\$ 54,428,359
6		
7	Actual Reserve Balance Accrued as of 12/31/25	<u>24,824,210</u>
8		
9	Remaining Amount to be Recovered as of 12/31/25	<u>\$ 29,604,149</u>
10		
11		
12	Total Number of Months From:	
13	12/31/25 to End of License ⁽²⁾	327.5
14		
15		
16	Note:	
17	⁽¹⁾ For PSL: The Participants' obligation is assumed to be treated the same as "Common Facility Cost"	
18	which is calculated at one-half their ownership percentage. $(0.5 * 14.89551\% = 7.447755\%)$	
19	Therefore, FPL's ownership share is 92.552245%.	
20	⁽²⁾ End of License PTN unit 4 is 4/10/2053	

SECTION 8

SUPPORT SCHEDULE F End-of-Life Unamortized Nuclear Fuel Expense Accrual Calculation

**Florida Power and Light Company
2025 Decommissioning Study
Support Schedule: End-of-Life Unamortized Nuclear Fuel**

<u>Line Number</u>		Turkey Point <u>Unit 3</u>	Turkey Point <u>Unit 4</u>
1	Estimated Cost of Unburned Fuel @ End of License		
2	FPL's Ownership Share Net of Participants	\$ 98,300,000	\$ 138,100,000
3			
4	Actual Reserve Balance at 12/31/2025	43,916,617	39,473,890
5			
6	Remaining Amount to be Recovered as of 12/31/2025	<u>\$ 54,383,383</u>	<u>\$ 98,626,110</u>
7			
8			
9	Total Number of Months From:		
10	12/31/25 to End of License:	318.5	327.5

SECTION 9

SUPPORT SCHEDULE G Inflation and Funding Analysis

Florida Power & Light Company
2025 Decommissioning Study
Support Schedule : Inflation and Funding Analysis

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INFLATION FORECAST

The U.S. Economy
30 Year Outlook (November 2025)
GLOBAL INSIGHT

YEAR	PCJPGDP		PCJWSSNF		PCWPISOP2000		PCCSVTS		FPL (INTERNAL)		CPI	
	GDP	GDP	HRLY COM	HRLY COM	PPI INT M&S	INT / M&S	GDP Transport	Transport	Burial	Burial	CPI	CPI
		Compound (X)		Compound (X)		Compound (X)		Compound (X)		Compound (X)		MULTIPLIER
2025	2.5%	1.000	5.1%	1.000	3.1%	1.000	4.5%	1.000	2.0%	1.000	2.8%	1.000
2026	2.0%	1.020	6.5%	1.065	3.8%	1.038	0.4%	1.004	2.0%	1.020	2.6%	1.026
2027	1.7%	1.037	5.2%	1.120	2.8%	1.068	-1.7%	0.987	2.0%	1.041	2.5%	1.052
2028	1.9%	1.057	5.2%	1.178	1.3%	1.081	0.4%	0.991	2.0%	1.062	2.3%	1.076
2029	1.8%	1.076	4.5%	1.232	1.4%	1.096	2.1%	1.012	2.0%	1.084	2.2%	1.100
2030	1.8%	1.095	4.3%	1.285	1.7%	1.115	2.5%	1.037	2.0%	1.106	2.2%	1.124
2031	1.8%	1.115	4.3%	1.340	1.8%	1.135	2.5%	1.063	2.0%	1.129	2.3%	1.150
2032	1.8%	1.136	4.3%	1.398	2.1%	1.158	3.2%	1.096	2.0%	1.152	2.3%	1.176
2033	1.8%	1.157	4.5%	1.462	2.2%	1.183	3.9%	1.139	2.0%	1.175	2.3%	1.203
2034	1.9%	1.178	4.7%	1.530	2.2%	1.209	5.1%	1.198	2.0%	1.199	2.2%	1.230
2035	1.8%	1.199	4.8%	1.604	2.0%	1.234	5.8%	1.267	2.0%	1.224	2.3%	1.257
2036	1.7%	1.220	4.8%	1.681	2.3%	1.262	5.6%	1.338	2.0%	1.249	2.2%	1.285
2037	1.7%	1.240	4.8%	1.760	2.5%	1.293	5.2%	1.408	2.0%	1.274	2.1%	1.313
2038	1.6%	1.260	4.7%	1.844	2.6%	1.326	5.1%	1.479	2.0%	1.300	2.1%	1.341
2039	1.6%	1.281	4.7%	1.931	2.6%	1.361	5.0%	1.553	2.0%	1.327	2.1%	1.369
2040	1.7%	1.302	4.8%	2.023	2.7%	1.397	4.7%	1.625	2.0%	1.354	2.2%	1.398
2041	1.7%	1.325	4.8%	2.120	2.8%	1.436	4.6%	1.700	2.0%	1.381	2.2%	1.429
2042	1.7%	1.348	4.8%	2.222	2.7%	1.475	4.5%	1.777	2.0%	1.409	2.2%	1.460
2043	1.7%	1.371	4.7%	2.327	2.8%	1.516	4.4%	1.856	2.0%	1.438	2.2%	1.492
2044	1.8%	1.395	4.7%	2.437	2.7%	1.556	4.4%	1.937	2.0%	1.467	2.2%	1.525
2045	1.7%	1.419	4.7%	2.553	2.8%	1.600	4.2%	2.018	2.0%	1.497	2.2%	1.559
2046	1.7%	1.444	4.7%	2.674	3.0%	1.647	4.3%	2.104	2.0%	1.528	2.3%	1.595
2047	1.8%	1.469	4.7%	2.801	3.0%	1.697	4.3%	2.194	2.0%	1.559	2.3%	1.632
2048	1.8%	1.496	4.8%	2.934	3.0%	1.748	4.3%	2.289	2.0%	1.591	2.3%	1.669
2049	1.8%	1.522	4.7%	3.072	3.0%	1.800	4.4%	2.389	2.0%	1.623	2.3%	1.708
2050	1.7%	1.548	4.7%	3.216	3.1%	1.856	4.4%	2.494	2.0%	1.656	2.3%	1.748
2051	1.7%	1.574	4.7%	3.367	3.1%	1.913	4.4%	2.604	2.0%	1.690	2.3%	1.788
2052	1.7%	1.601	4.7%	3.526	3.1%	1.972	4.4%	2.718	2.0%	1.725	2.3%	1.830
2053	1.7%	1.628	4.7%	3.692	3.1%	2.033	4.4%	2.837	2.0%	1.760	2.3%	1.872
2054	1.7%	1.655	4.7%	3.865	3.1%	2.096	4.4%	2.962	2.0%	1.796	2.3%	1.915
2055	1.7%	1.683	4.7%	4.047	3.1%	2.161	4.4%	3.092	2.0%	1.832	2.3%	1.960
2056	1.7%	1.712	4.7%	4.237	3.1%	2.228	4.4%	3.228	2.0%	1.870	2.3%	2.005
2057	1.7%	1.741	4.7%	4.436	3.1%	2.296	4.4%	3.370	2.0%	1.908	2.3%	2.052
2058	1.7%	1.770	4.7%	4.645	3.1%	2.367	4.4%	3.518	2.0%	1.947	2.3%	2.099
2059	1.7%	1.800	4.7%	4.864	3.1%	2.441	4.4%	3.672	2.0%	1.986	2.3%	2.148
2060	1.7%	1.830	4.7%	5.092	3.1%	2.516	4.4%	3.834	2.0%	2.027	2.3%	2.197
2061	1.7%	1.861	4.7%	5.332	3.1%	2.594	4.4%	4.002	2.0%	2.068	2.3%	2.248
2062	1.7%	1.893	4.7%	5.582	3.1%	2.674	4.4%	4.178	2.0%	2.110	2.3%	2.300
2063	1.7%	1.925	4.7%	5.845	3.1%	2.757	4.4%	4.362	2.0%	2.153	2.3%	2.354
2064	1.7%	1.957	4.7%	6.120	3.1%	2.842	4.4%	4.553	2.0%	2.197	2.3%	2.408
2065	1.7%	1.990	4.7%	6.408	3.1%	2.929	4.4%	4.753	2.0%	2.242	2.3%	2.464
2066	1.7%	2.024	4.7%	6.709	3.1%	3.020	4.4%	4.962	2.0%	2.288	2.3%	2.521
2067	1.7%	2.058	4.7%	7.025	3.1%	3.113	4.4%	5.180	2.0%	2.335	2.3%	2.579
2068	1.7%	2.093	4.7%	7.355	3.1%	3.210	4.4%	5.408	2.0%	2.382	2.3%	2.639
2069	1.7%	2.128	4.7%	7.701	3.1%	3.309	4.4%	5.645	2.0%	2.431	2.3%	2.700
2070	1.7%	2.164	4.7%	8.063	3.1%	3.411	4.4%	5.893	2.0%	2.480	2.3%	2.763
2071	1.7%	2.201	4.7%	8.442	3.1%	3.516	4.4%	6.152	2.0%	2.531	2.3%	2.827
2072	1.7%	2.238	4.7%	8.839	3.1%	3.625	4.4%	6.422	2.0%	2.582	2.3%	2.892
2073	1.7%	2.276	4.7%	9.255	3.1%	3.737	4.4%	6.704	2.0%	2.635	2.3%	2.959
2074	1.7%	2.314	4.7%	9.690	3.1%	3.852	4.4%	6.999	2.0%	2.689	2.3%	3.027
2075	1.7%	2.353	4.7%	10.146	3.1%	3.971	4.4%	7.306	2.0%	2.744	2.3%	3.098
2076	1.7%	2.393	4.7%	10.623	3.1%	4.094	4.4%	7.627	2.0%	2.800	2.3%	3.169
2077	1.7%	2.434	4.7%	11.122	3.1%	4.221	4.4%	7.962	2.0%	2.857	2.3%	3.243
2078	1.7%	2.475	4.7%	11.646	3.1%	4.351	4.4%	8.312	2.0%	2.915	2.3%	3.318
2079	1.7%	2.517	4.7%	12.193	3.1%	4.486	4.4%	8.677	2.0%	2.974	2.3%	3.395
2080	1.7%	2.559	4.7%	12.767	3.1%	4.624	4.4%	9.058	2.0%	3.035	2.3%	3.473
2081	1.7%	2.602	4.7%	13.367	3.1%	4.767	4.4%	9.456	2.0%	3.097	2.3%	3.554
2082	1.7%	2.646	4.7%	13.996	3.1%	4.914	4.4%	9.872	2.0%	3.160	2.3%	3.636
2083	1.7%	2.691	4.7%	14.654	3.1%	5.066	4.4%	10.305	2.0%	3.225	2.3%	3.720
2084	1.7%	2.737	4.7%	15.343	3.1%	5.223	4.4%	10.758	2.0%	3.290	2.3%	3.806

2.29% = AVERAGE COMPOUND CPI INFLATION MULTILPLIER 2025-2084

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GENERAL ASSUMPTIONS

JURISDICTIONAL FACTOR = 95.8901%
FPL'S SHARE OF ST. LUCIE 2 COST (NET OF PARTICIPANTS) 86.63059%
CORPORATE TAX RATE 25.345%

	ANNUAL	MONTHLY
EARNINGS RATE QUALIFIED FUND	4.500%	0.367481%
EARNINGS RATE NON-QUALIFIED FUND	4.500%	0.367481%

Adjusted QUALIFIED FUNDING % (at 12/31/25)	TP3 60.197%	TP4 62.609%	SL1 67.886%	SL2 78.611%
FUND BALANCES (\$000's)				
A. QUALIFIED FUND BALANCE 10/31/25	671,677	769,482	869,958	795,315
B. CONTRIBUTIONS - Nov. & Dec. 2025	-	-	-	-
C. EARNINGS - Nov. & Dec. 2025	3,426	3,924	4,437	4,053
D. QUALIFIED FUND BALANCE 12/31/25	675,103	773,406	874,395	799,368
E. JURISDICTIONAL FACTOR	95.8901%	95.8901%	95.8901%	95.8901%
F. JURIS. QUAL. FUND BAL. 12/31/25	647,357	741,620	838,458	766,515
A. NON-QUALIFIED FUND BALANCE 10/31/25	256,499	274,827	231,125	112,576
B. CONTRIBUTIONS - Nov. & Dec. 2025	-	-	-	-
C. EARNINGS - Nov. & Dec. 2025	1,222	1,310	1,102	537
D. NON-QUALIFIED FUND BALANCE 12/31/25	257,721	276,137	232,227	113,113
E. JURISDICTIONAL FACTOR	95.8901%	95.8901%	95.8901%	95.8901%
F. JURIS. NON-QUAL. FUND BAL. 12/31/25	247,129	264,788	222,683	108,464

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Turkey Point Nuclear Plant, Unit 3 DECON - Total Decommissioning Cost (thousands, 2025 dollars)							Turkey Point Nuclear Plant, Unit 3 DECON - Total Decommissioning Cost (thousands, Future dollars)							Average
Equipment & Year Labor Materials Transportation LLRW Disposal Other Yearly Totals							Equipment & Year Labor Materials Transportation Burial Other Yearly Totals							Inflation Rate
2052	23,959	2,603		-	2,831	29,393	2052	84,473.66	5,133.56	-	-	4,531.84	94,139	4.41%
2053	51,359	27,253		-	6,091	84,703	2053	189,593	55,413	-	-	9,916	254,922	4.01%
2054	41,830	1,912	3,392		9,006	56,140	2054	161,679	4,009	10,048	-	14,908	190,644	4.31%
2055	29,091	3,611	3,392		7,721	43,815	2055	117,727	7,802	10,489	-	12,998	149,016	4.16%
2056	42,309	33,463	3,028	11,366	7,296	97,462	2056	179,271	74,544	9,776	21,251	12,490	297,332	3.66%
2057	56,963	25,717	2,862	10,742	5,197	101,482	2057	252,716	59,059	9,645	20,494	9,047	350,962	3.95%
2058	55,167	16,661	2,873	10,783	4,031	89,515	2058	256,254	39,445	10,108	20,992	7,135	333,934	4.07%
2059	34,747	11,632	14,029	52,651	3,115	116,174	2059	168,992	28,389	51,520	104,588	5,607	359,096	3.37%
2060	20,206	3,225	3,610	13,550	2,978	43,569	2060	102,894	8,115	13,841	27,464	5,451	157,766	3.74%
2061	7,531	2,294	1,785	6,698	2,607	20,915	2061	40,155	5,950	7,143	13,854	4,852	71,954	3.49%
2062	2,721	203	-	-	1,007	3,930	2062	15,187	544	-	-	1,905	17,636	4.14%
2063	2,592	112	-	-	956	3,660	2063	15,152	308	-	-	1,841	17,301	4.17%
2064	2,592	112	-	-	956	3,660	2064	15,865	318	-	-	1,872	18,054	4.18%
2065	2,592	112	-	-	956	3,660	2065	16,611	328	-	-	1,903	18,842	4.18%
2066	2,592	112	-	-	956	3,660	2066	17,392	338	-	-	1,936	19,665	4.19%
2067	2,592	112	-	-	956	3,660	2067	18,210	348	-	-	1,968	20,526	4.19%
2068	2,592	112	-	-	956	3,660	2068	19,066	359	-	-	2,002	21,427	4.20%
2069	2,592	112		-	956	3,660	2069	19,963	370	-	-	2,035	22,368	4.20%
2070	2,592	112		-	956	3,660	2070	20,902	382	-	-	2,070	23,353	4.20%
2071	3,022	112	1,935	14,992	1,080	21,141	2071	25,516	393	11,901	37,943	2,378	78,131	2.88%
2072	1,797	17		-	189	2,003	2072	15,884	62	-	-	423	16,369	4.57%
2073	5,134	1,698		-	46	6,879	2073	47,518	6,347	-	-	106	53,971	4.38%
Total	396,575	131,298	36,906	120,783	60,845	746,407	Total	1,801,021	297,958	134,472	246,586	107,373	2,587,410	4.03%

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

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Turkey Point Nuclear Plant, Unit 4 DECON - Total Decommissioning Cost (thousands, 2025 dollars)							Turkey Point Nuclear Plant, Unit 4 DECON - Total Decommissioning Cost (thousands, Future dollars)							Average
Equipment & Year Labor Materials Transportation LLRW Disposal Other Yearly Totals							Equipment & Year Labor Materials Transportation Burial Other Yearly Totals							Inflation Rate
2053	26,322	3,248		-	3,842	33,412	2053	97,167.98	6,603.47	-	-	6,254.32	110,026	4.35%
2054	42,692	29,443	3,392		8,261	83,788	2054	165,008	61,716	10,048	-	13,676	250,448	3.85%
2055	43,583	4,747	3,392		12,012	63,734	2055	176,375	10,258	10,489	-	20,221	217,344	4.17%
2056	42,008	32,170	3,028	11,366	7,288	95,861	2056	177,996	71,663	9,776	21,251	12,476	293,163	3.67%
2057	65,650	29,313	2,898	10,877	6,127	114,865	2057	291,252	67,317	9,766	20,751	10,666	399,753	3.97%
2058	61,686	18,774	2,928	10,989	4,409	98,786	2058	286,538	44,447	10,300	21,392	7,805	370,483	4.09%
2059	38,565	21,637	24,070	90,338	3,219	177,830	2059	187,565	52,806	88,397	179,449	5,795	514,013	3.17%
2060	21,013	5,860	6,278	23,562	3,079	59,792	2060	107,003	14,745	24,068	47,758	5,636	199,210	3.50%
2061	7,792	3,287	3,103	11,648	2,696	28,526	2061	41,545	8,525	12,421	24,090	5,018	91,600	3.29%
2062	2,845	183	-	-	1,004	4,032	2062	15,884	489	-	-	1,900	18,273	4.17%
2063	2,743	118	-	-	953	3,815	2063	16,036	326	-	-	1,835	18,196	4.20%
2064	2,743	118	-	-	953	3,815	2064	16,790	336	-	-	1,866	18,991	4.20%
2065	2,743	118	-	-	953	3,815	2065	17,579	347	-	-	1,897	19,823	4.21%
2066	2,743	118	-	-	953	3,815	2066	18,406	357	-	-	1,929	20,692	4.21%
2067	2,743	118		-	953	3,815	2067	19,272	368	-	-	1,962	21,602	4.21%
2068	2,743	118		-	953	3,815	2068	20,178	380	-	-	1,995	22,553	4.22%
2069	2,743	118		-	953	3,815	2069	21,127	391	-	-	2,029	23,547	4.22%
2070	2,743	118		-	953	3,815	2070	22,120	403	-	-	2,063	24,587	4.23%
2071	2,743	118		-	953	3,815	2071	23,161	416	-	-	2,098	25,674	4.23%
2072	2,419	27	1,935	14,992	345	19,718	2072	21,385	98	12,424	38,717	772	73,396	2.84%
2073	3,880	1,138		-	46	5,064	2073	35,906	4,253	-	-	106	40,264	4.41%
Total	383,146	150,891	51,025	173,771	60,908	819,741	Total	1,778,295	346,244	187,690	353,409	107,998	2,773,636	3.97%

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

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Turkey Point Nuclear Plant, Unit 3 DECON Costs Recovered for Spent Fuel Management (thousands, 2025 dollars)							Turkey Point Nuclear Plant, Unit 3 DECON Costs Recovered for Spent Fuel Management (thousands, Future dollars)						
Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals	Year	Labor	Equipment & Materials	Transport	Burial	Other	Yearly Totals
2052	-	-	-	-	-	-	2052	-	-	-	-	-	-
2053	12,326	2,372	-	-	552	15,251	2053	45,502	4,823	-	-	899	51,225
2054	28,372	26,873	-	-	1,492	56,736	2054	109,659	56,328	-	-	2,470	168,457
2055	14,309	1,043	-	-	1,797	17,149	2055	57,906	2,254	-	-	3,026	63,186
2056	2,592	112	-	-	956	3,660	2056	10,984	249	-	-	1,637	12,870
2057	2,592	112	-	-	956	3,660	2057	11,501	257	-	-	1,665	13,422
2058	2,592	112	-	-	956	3,660	2058	12,042	265	-	-	1,693	13,999
2059	2,592	112	-	-	956	3,660	2059	12,608	273	-	-	1,721	14,602
2060	2,592	112			956	3,660	2060	13,201	281			1,750	15,233
2061	2,592	112			956	3,660	2061	13,822	290			1,780	15,892
2062	2,592	112			956	3,660	2062	14,472	299			1,810	16,581
2063	2,592	112			956	3,660	2063	15,152	308			1,841	17,301
2064	2,592	112			956	3,660	2064	15,865	318			1,872	18,054
2065	2,592	112			956	3,660	2065	16,611	328			1,903	18,842
2066	2,592	112	-	-	956	3,660	2066	17,392	338	-	-	1,936	19,665
Total	83,522	31,518	-	-	14,361	129,402	Total	366,715	66,612	-	-	26,003	459,331

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

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Turkey Point Nuclear Units
Support Schedule : Inflation and Funding Analysis

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Turkey Point Nuclear Plant, Unit 4 DECON Costs Recovered for Spent Fuel Management (thousands, 2025 dollars)							Turkey Point Nuclear Plant, Unit 4 DECON Costs Recovered for Spent Fuel Management (thousands, Future dollars)						
Year	Labor	Equipment & Materials	Energy	LLRW Disposal	Other	Yearly Totals	Year	Labor	Equipment & Materials	Transport	Burial	Other	Yearly Totals
2052	-	-	-	-	-	-	2052	-	-	-	-	-	-
2053	-	-	-	-	-	-	2053	-	-	-	-	-	-
2054	14,248	2,906	-	-	733	17,887	2054	55,069	6,091	-	-	1,214	62,373
2055	21,966	28,568	-	-	1,205	51,739	2055	88,894	61,733	-	-	2,028	152,654
2056	11,702	1,110	-	-	1,744	14,556	2056	49,583	2,473	-	-	2,985	55,041
2057	2,743	118	-	-	953	3,815	2057	12,171	272	-	-	1,659	14,102
2058	2,743	118	-	-	953	3,815	2058	12,744	280	-	-	1,687	14,711
2059	2,743	118	-	-	953	3,815	2059	13,343	289	-	-	1,716	15,347
2060	2,743	118			953	3,815	2060	13,971	298	-	-	1,745	
2061	2,743	118			953	3,815	2061	14,628	307	-	-	1,774	
2062	2,743	118			953	3,815	2062	15,315	316	-	-	1,804	
2063	2,743	118			953	3,815	2063	16,036	326	-	-	1,835	
2064	2,743	118			953	3,815	2064	16,790	336	-	-	1,866	
2065	2,743	118			953	3,815	2065	17,579	347	-	-	1,897	
2066	2,743	118			953	3,815	2066	18,406	357	-	-	1,929	
Total	75,350	33,767	-	-	13,212	122,330	Total	344,528	73,424	-	-	24,137	314,229

NOTE: The 2025 cash flows are inflated to the year of expenditure based on the indices provided on Support Schedule G, page 1 of 8

Support Schedule G
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	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNINGS RATE QUALIFIED FUND	4.500%	0.367481%
EARNINGS RATE NON-QUALIFIED FUND	4.500%	0.367481%

LICENSE ENDS **7/19/2052**

	QUALIFIED	NON-QUAL	TOTAL
NPV @ 12/31/25	\$ 287,707,638	\$ 142,023,440	\$ 429,731,079
LESS BALANCE @ 12/31/25	\$ 647,356,942	\$ 247,128,925	\$ 894,485,866
PV OF FUNDING REQUIREMENTS	\$ (359,649,303)	\$ (105,105,484)	\$ (464,754,788)

MONTHLY FUNDING REQUIREMENT	-	-	-
ANNUAL FUNDING REQUIREMENT	-	-	-
MONTHLY ACCRUAL	-	-	-
ANNUAL ACCRUAL	-	-	-

Florida Power & Light Company
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Support Schedule G
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TURKEY POINT UNIT 4

	NOMINAL ANNUAL	NOMINAL MONTHLY
EARNINGS RATE QUALIFIED FUND	4.500%	0.367481%
EARNINGS RATE NON-QUALIFIED FUND	4.500%	0.367481%

CORPORATE TAX RATE 25.345%

FPL'S SHARE OF COST (NET OF PARTICIPANTS) 100.000%
JURISDICTIONAL FACTOR 95.8901%

Adjusted QUALIFIED % 62.609%

LICENSE ENDS 4/10/2053

YEAR	SPENDING CURVE	ESTIMATED COST IN (\$2025)	ESTIMATED COST IN NOMINAL \$	ESTIMATED DOE RECOVERY NOMINAL \$	NET NOMINAL \$	JURISDICTIONAL AMOUNT	QUALIFIED AMOUNT	NON-QUAL AMOUNT	TAX SAVINGS	PV @ 4.5% QUALIFIED AMOUNT	PV @ 4.5% NON-QUAL AMOUNT
2053	4.0759%	\$ 33,411,603	\$ 110,025,763	\$ -	\$ 110,025,763	\$ 105,503,814	\$ 66,055,153	\$ 29,450,398	\$ 9,998,263	\$ 19,259,747	\$ 8,586,873
2054	10.2213%	\$ 83,788,066	\$ 250,447,886	\$ 62,373,455	\$ 188,074,430	\$ 180,344,759	\$ 112,912,512	\$ 50,341,544	\$ 17,090,703	\$ 31,504,286	\$ 14,046,047
2055	7.7749%	\$ 63,734,334	\$ 217,343,551	\$ 152,654,498	\$ 64,689,053	\$ 62,030,397	\$ 38,836,770	\$ 17,315,202	\$ 5,878,425	\$ 10,369,418	\$ 4,623,159
2056	11.6940%	\$ 95,860,648	\$ 293,162,915	\$ 55,040,962	\$ 238,121,953	\$ 228,335,378	\$ 142,959,082	\$ 63,737,674	\$ 21,638,622	\$ 36,526,390	\$ 16,285,129
2057	14.0123%	\$ 114,864,856	\$ 399,752,658	\$ 14,102,074	\$ 385,650,584	\$ 369,800,731	\$ 231,529,487	\$ 103,226,397	\$ 35,044,847	\$ 56,608,939	\$ 25,238,845
2058	12.0509%	\$ 98,786,436	\$ 370,482,752	\$ 14,710,889	\$ 355,771,863	\$ 341,149,996	\$ 213,591,475	\$ 95,228,814	\$ 32,329,707	\$ 49,974,255	\$ 22,280,801
2059	21.6934%	\$ 177,829,800	\$ 514,012,982	\$ 15,347,355	\$ 498,665,626	\$ 478,170,968	\$ 299,379,286	\$ 133,476,930	\$ 45,314,752	\$ 67,029,792	\$ 29,884,936
2060	7.2940%	\$ 59,791,688	\$ 199,209,698	\$ -	\$ 199,209,698	\$ 191,022,379	\$ 119,597,690	\$ 53,322,101	\$ 18,102,587	\$ 25,624,336	\$ 11,424,497
2061	3.4799%	\$ 28,525,871	\$ 91,599,636	\$ -	\$ 91,599,636	\$ 87,834,982	\$ 54,992,829	\$ 24,518,309	\$ 8,323,844	\$ 11,275,079	\$ 5,026,944
2062	0.4919%	\$ 4,031,974	\$ 18,273,157	\$ -	\$ 18,273,157	\$ 17,522,149	\$ 10,970,487	\$ 4,891,143	\$ 1,660,519	\$ 2,152,401	\$ 959,638
2063	0.4654%	\$ 3,814,862	\$ 18,196,285	\$ -	\$ 18,196,285	\$ 17,448,436	\$ 10,924,336	\$ 4,870,567	\$ 1,653,533	\$ 2,051,049	\$ 914,451
2064	0.4654%	\$ 3,814,862	\$ 18,991,477	\$ -	\$ 18,991,477	\$ 18,210,947	\$ 11,401,738	\$ 5,083,415	\$ 1,725,794	\$ 2,048,499	\$ 913,314
2065	0.4654%	\$ 3,814,862	\$ 19,822,969	\$ -	\$ 19,822,969	\$ 19,008,265	\$ 11,900,933	\$ 5,305,978	\$ 1,801,353	\$ 2,046,112	\$ 912,250
2066	0.4654%	\$ 3,814,862	\$ 20,692,446	\$ -	\$ 20,692,446	\$ 19,842,007	\$ 12,422,933	\$ 5,538,710	\$ 1,880,364	\$ 2,043,884	\$ 911,257
2067	0.4654%	\$ 3,814,862	\$ 21,601,674	\$ -	\$ 21,601,674	\$ 20,713,867	\$ 12,968,798	\$ 5,782,081	\$ 1,962,988	\$ 2,041,811	\$ 910,332
2068	0.4654%	\$ 3,814,862	\$ 22,552,502	\$ -	\$ 22,552,502	\$ 21,625,616	\$ 13,539,637	\$ 6,036,587	\$ 2,049,391	\$ 2,039,889	\$ 909,476
2069	0.4654%	\$ 3,814,862	\$ 23,546,862	\$ -	\$ 23,546,862	\$ 22,579,109	\$ 14,136,612	\$ 6,302,746	\$ 2,139,751	\$ 2,038,114	\$ 908,684
2070	0.4654%	\$ 3,814,862	\$ 24,586,779	\$ -	\$ 24,586,779	\$ 23,576,287	\$ 14,760,938	\$ 6,581,099	\$ 2,234,250	\$ 2,036,483	\$ 907,957
2071	0.4654%	\$ 3,814,862	\$ 25,674,374	\$ -	\$ 25,674,374	\$ 24,619,183	\$ 15,413,887	\$ 6,872,213	\$ 2,333,082	\$ 2,034,993	\$ 907,292
2072	2.4054%	\$ 19,717,903	\$ 73,395,868	\$ -	\$ 73,395,868	\$ 70,379,371	\$ 44,064,001	\$ 19,645,740	\$ 6,669,631	\$ 5,566,962	\$ 2,482,005
2073	0.6178%	\$ 5,064,096	\$ 40,263,868	\$ -	\$ 40,263,868	\$ 38,609,064	\$ 24,172,848	\$ 10,777,357	\$ 3,658,859	\$ 2,922,442	\$ 1,302,958
100.0000%	\$	\$ 819,741,028	\$ 2,773,636,103	\$ 314,229,234	\$ 2,459,406,869	\$ 2,358,327,706	\$ 1,476,531,434	\$ 658,305,007	\$ 223,491,265	\$ 337,194,882	\$ 150,336,846

	QUALIFIED	NON-QUAL	TOTAL
NPV @ 12/31/25	\$ 337,194,882	\$ 150,336,846	\$ 487,531,728
LESS BALANCE @ 12/31/25	741,619,787	264,788,045	1,006,407,832
PV OF FUNDING REQUIREMENTS	\$ (404,424,905)	\$ (114,451,199)	\$ (518,876,104)

MONTHLY FUNDING REQUIREMENT	-	-	-
ANNUAL FUNDING REQUIREMENT	-	-	-
MONTHLY ACCRUAL	-	-	-
ANNUAL ACCRUAL	-	-	-

SECTION 10

DECOMMISSIONING COST ANALYSIS:
TURKEY POINT NUCLEAR PLANT UNITS 3 AND 4
Prepared by EnergySolutions, LLC

2025 Decommissioning Cost Estimate of the Turkey Point Nuclear Plant, Units 3 and 4

Project No. 164193-02

Rev. 1

Prepared for:
Florida Power & Light Company

Prepared by:
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121 W. Trade Street, Suite 2700
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	Kevin Kirkley, Estimating Manager	Date

- ☐ New Report
- ☐ Title Change
- ☒ Report Revision
- ☐ Report Rewrite

Effective
Date: 12/05/2025

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Appendix A	List of Systems and Structures
Appendix B	Detailed Schedules
Appendix C	Detailed Cost Estimates
Appendix D	Detailed Staffing Tables
Appendix E	Waste Disposal Summaries
Appendix F	Annual Spending Tables

Acronyms and Abbreviations

AIF	Atomic Industrial Forum
ALARA	As Low As Reasonably Achievable
BWR	Boiling Water Reactor
CFR	Code of Federal Regulations
CWS	Circulating Water System
DAW	Dry Active Waste
DCE	Decommissioning Cost Estimate
DGC	Decommissioning General Contractor
DOE	U.S. Department of Energy
DSC	Dry Storage Canister
EPRI	Electric Power Research Institute
ES	EnergySolutions
FEMA	Federal Emergency Management Agency
FPL	Florida Power & Light Company
FSS	Final Status Survey
GSA	U.S. General Services Administration
GTCC	Greater Than Class C
HP	Health Physics
HSM	Horizontal Storage Module
INPO	Institute of Nuclear Power Operations
ISFSI	Independent Spent Fuel Storage Installation
LLRW	Low-Level Radioactive Waste
LOP	Life-of-Plant
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
MWt	Megawatt thermal
Turkey Point	Turkey Point Nuclear Plant
NRC	Nuclear Regulatory Commission
ORISE	Oak Ridge Institute for Science and Education
PCB	Polychlorinated Biphenyl
PSDAR	Post-Shutdown Decommissioning Activities Report
PWR	Pressurized Water Reactor
SLR	Subsequent License Renewal
WBS	Work Breakdown Structure
WCS	Waste Control Specialists LLC
UCF	Unit Cost Factor

1.0 EXECUTIVE SUMMARY

This report presents the 2025 Decommissioning Cost Estimate (DCE) Study of the Turkey Point Nuclear Plant, Units 3 and 4, hereinafter referred to as the 2025 Cost Study. The Turkey Point Nuclear Plant (Turkey Point) is owned and operated by Florida Power & Light Company (FPL).

This DCE has been performed to furnish an estimate, for financial planning purposes, of the costs for decommissioning Turkey Point Units 3 and 4 to the extent required to terminate the plant's operating license pursuant to 10 CFR 50.75(c); post-shutdown management of spent fuel until acceptance by the U.S. Department of Energy (DOE) pursuant to 10 CFR 50.54(bb); and clean demolition of structures and restoration of the site.

The study methodology follows the basic approach originally presented in the Atomic Industrial Forum/National Environmental Studies Project Report AIF/NESP-036, "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," (Ref. No. 1). The report was prepared in accordance with Nuclear Regulatory Commission (NRC) Regulatory Guide 1.202, "Standard Format and Content of Decommissioning Cost Estimates for Nuclear Power Reactors," (Ref. No. 2). The estimate is based on compliance with current regulatory requirements and proven decommissioning technologies.

NRC requirements, set forth in Title 10 of the Code of Federal Regulations (CFR), differentiate between the post-shutdown costs associated with storage of spent fuel on site and those associated with the decommissioning of the facility. 10 CFR 50.75(c) establishes minimum funding requirements for decommissioning, which is limited to removing the facility from service and reducing the residual radioactivity to a level that permits release of the property and termination of the license. Decommissioning, as defined by 10 CFR 50.2, does not include the cost of removal and disposal of spent fuel, the cost of removing clean structures, or the cost of site restoration activities that do not involve the removal of residual radioactivity necessary to terminate the NRC license, which restore the site to either "Brownfield" or "Greenfield" conditions depending on the desired end state. 10 CFR 50.54 (bb) requires funding by the licensee "for the management of all irradiated fuel at the reactor upon expiration of the reactor operating license until title to the irradiated fuel and possession of the fuel is transferred to the Secretary of Energy for its ultimate disposal in a repository."

Accordingly, the costs and schedules for all activities are segregated for regulatory purposes as follows: costs for "License Termination" (10 CFR 50.75(c)); costs for "Spent Fuel Management" (10 CFR 50.54(bb)); and costs for "Site Restoration".

This study analyzes two DCE scenarios, defined by FPL, as follows:

Scenario 1 – DECON both units following Unit 4 Shutdown

- Unit 3 Shutdown July 19, 2052
- Unit 4 Shutdown April 10, 2053
- DECON Methodology after Unit 4 is permanently shut down in 2053
- Transfer spent fuel from pool to DOE prior to shutdown beginning in 2035
- Fuel pools empty in 2054
- All Dry Fuel transferred from ISFSI to DOE by 2072
- Decommissioning will be performed by FPL and a Decommissioning General Contractor (DGC)

- Class A LLRW will be disposed of at the ES Clive UT burial site
- Class B and C LLRW will be shipped and buried at the WCS Andrews County, TX burial site

Scenario 2 - SAFSTOR

- Unit 3 Shutdown July 19, 2052
- Unit 4 Shutdown April 10, 2053
- SAFSTOR Methodology
- Transfer spent fuel from pool to DOE prior to shutdown beginning in 2035
- Fuel pools empty in 2054
- All Dry Fuel transferred from ISFSI to DOE by 2072
- Decommissioning will be performed by FPL and a Decommissioning General Contractor (DGC)
- SAFSTOR period ends in 2106
- Decommissioning activities to complete by 2112 (excludes ISFSI decommissioning – ISFSI decommissioning and demolition to complete by 2113)
- Class 'A' LLRW will be disposed of at the ES Clive UT burial site
- Class 'B' and 'C' LLRW will be shipped and buried at the WCS Andrews, TX burial site

The cost estimate results are provided for each scenario in 2025 dollars and summarized in Table 1-1 below. This table provides License Termination costs (corresponding to 10 CFR 50.75(c) requirements), Spent Fuel Management costs (corresponding to 10 CFR 50.54(bb) requirements), and Site Restoration costs including activities such as clean building demolition and site grading etc.

Table 1-1

FPL Turkey Point Units 3 and 4 Decommissioning Cost Summary (thousands of 2025 dollars)				
Scenario	License Termination	Spent Fuel	Site Restoration	Total
1	1,181,679	312,767	71,702	1,566,148
2	1,401,067	375,532	71,894	1,848,493

Table 1-2 below provides the cost estimate results for Scenario 1 separated into Unit 3, Unit 4 and Total.

Table 1-2

FPL Turkey Point Units 3 and 4 Scenario 1 Cost Summary by Unit (thousands of 2025 dollars)			
	Unit 3	Unit 4	Total
License Termination	557,476	624,204	1,181,679
Spent Fuel	160,247	152,520	312,767
Site Restoration	28,685	43,017	71,702
Total	746,407	819,741	1,566,148

Table 1-3 below provides the cost estimate results for Scenario 2 separated into Unit 3, Unit 4 and Total.

Table 1-3

FPL Turkey Point Units 3 and 4 Scenario 2 Cost Summary by Unit (thousands of 2025 dollars)			
	Unit 3	Unit 4	Total
License Termination	665,160	735,907	1,401,067
Spent Fuel	193,095	182,437	375,532
Site Restoration	28,828	43,066	71,894
Total	887,083	961,410	1,848,493

The estimate is based on site-specific plant systems and building inventories. These inventories, EnergySolutions' (ES) proprietary Unit Cost Factors (UCFs), historical data and execution strategy were used to generate required man-hours, waste volumes and classification, and estimated costs. Detailed project estimates are included in [Appendix C](#).

The schedule reflects EnergySolutions' historical execution strategy to sequence activity-dependent or distributed decommissioning elements such as planning and preparations, major component removal, building decontamination, building demolition, etc. A schedule for each scenario is summarized in Tables 1-4 and 1-5 below. Detailed project schedules are included in [Appendix B](#).

Table 1-4 below provides a schedule summary for Scenario 1 based on a DECON scenario with Unit 3 Shutdown in 2052 and Unit 4 Shutdown in 2053.

Table 1-4

FPL DCE-02 Turkey Point Units 3 & 4 Scenario 1 Schedule Summary	
Year	Item
2035	DOE starts accepting fuel from spent fuel pool
2052	Unit 3 Shutdown
2053	Unit 4 Shutdown
2053	Unit 3 Fuel Pool Empty
2054	Unit 4 Fuel Pool Empty
2056	Start Demolition
2062	Decommissioning and Site Restoration Complete
2072	ISFSI Empty
2073	ISFSI Decommissioning and Site Restoration Complete

Table 1-5 below provides a schedule summary for Scenario 2 based on a SAFSTOR scenario with Unit 3 Shutdown in 2052 and Unit 4 Shutdown in 2053.

Table 1-5

FPL DCE-02 Turkey Point Units 3 & 4 Scenario 2 Schedule Summary	
Year	Item
2035	DOE starts accepting fuel from spent fuel pool
2052	Unit 3 Shutdown
2053	Unit 4 Shutdown
2053	Unit 3 Fuel Pool Empty
2054	Unit 4 Fuel Pool Empty
2055	SAFSTOR Period Begins
2072	ISFSI Empty
2105	SAFSTOR Period Ends
2106	Start Demolition
2112	Decommissioning and Site Restoration Complete
2113	ISFSI Decommissioning and Site Restoration Complete

2.0 INTRODUCTION

2.1 Study Objective

This report presents the 2025 Decommissioning Cost Estimate (DCE) Study of the Turkey Point Nuclear Plant, Units 3 and 4, hereinafter referred to as the 2025 Cost Study. The Turkey Point Nuclear Plant (Turkey Point) is owned and operated by FPL.

This update has been performed to furnish an estimate, for financial planning purposes, of the costs for decommissioning Turkey Point Units 3 and 4 to the extent required to terminate the plant's operating license pursuant to 10 CFR 50.75(c); post-shutdown management of spent fuel until acceptance by the U.S. Department of Energy (DOE) pursuant to 10 CFR 50.54(bb); and clean demolition of structures and restoration of the site.

The study methodology follows the basic approach originally presented in the Atomic Industrial Forum/National Environmental Studies Project Report AIF/NESP-036, "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," (Ref. No. 1). The report was prepared in accordance with Nuclear Regulatory Commission (NRC) Regulatory Guide 1.202, "Standard Format and Content of Decommissioning Cost Estimates for Nuclear Power Reactors," (Ref. No. 2). The estimate is based on compliance with current regulatory requirements and proven decommissioning technologies.

2.2 Regulatory Framework

Provisions of current laws and regulations affecting decommissioning, waste management and spent fuel management are as follows:

1. NRC regulations require a license for on-site storage of spent fuel. Wet storage in a spent fuel pool is authorized by a facility's 10 CFR Part 50 license (Ref. No. 3). On-site dry storage of spent fuel at an Independent Spent Fuel Storage Installation (ISFSI) is licensed by either: (a) the general license set forth in 10 CFR 72.210, which requires that a Part 50 license be in place; or (b) a site-specific ISFSI license issued pursuant to 10 CFR Part 72.
2. 10 CFR 50.75(c) requires funding by the licensee of the facility for the decommissioning program but specifically excludes the cost of removal and disposal of spent fuel and the removal of clean structures.
3. 10 CFR 50.54 (bb) requires the licensee, within two years following permanent cessation of operation of the reactor or five years before expiration of the operating license, whichever occurs first, to submit written notification to the NRC for its review and preliminary approval of the program by which the licensee intends to manage and provide funding "for the management of all irradiated fuel at the reactor upon expiration of the reactor operating license until title to the irradiated fuel and possession of the fuel is transferred to the Secretary of Energy for its ultimate disposal in a repository." However, the NRC does not currently consider post-shutdown spent fuel management costs to be decommissioning costs.
4. 10 CFR 72.30(b) requires that a licensee under Part 72 must submit a decommissioning funding plan that contains information that provides assurance that funds will be available to decommission the ISFSI.

5. 10 CFR Part 961, Appendix E (Ref. No. 4), requires spent fuel to be cooled for at least five years before it can be accepted by DOE.

Decommissioning Alternatives

The three basic methods for decommissioning are DECON, SAFSTOR, and ENTOMB, which are summarized as follows:

1. DECON: The equipment, structures, and portions of the facility and site that contain radioactive contaminants are promptly removed or decontaminated to a level that permits termination of the license after cessation of operations.
2. SAFSTOR: The facility is placed in a safe, stable condition and maintained in that state (safe storage). The facility is decontaminated and dismantled at the end of the storage period to levels that permit license termination. NRC regulations require decommissioning to be completed within 60 years of cessation of operation. Durations less than the regulatory-allowed maximum may be referred to as Modified SAFSTOR.
3. ENTOMB: Radioactive structures, systems, and components are encased in a structurally long-lived substance, such as concrete. The entombed structure is appropriately maintained and monitored until radioactivity decays to a level that permits termination of the license. Since entombment will exceed the requirement for decommissioning to be completed within 60 years of cessation of operation, NRC handles entombment requests on a case-by-case basis.

The selection of a preferred decommissioning alternative is influenced by a number of factors pertinent at the time of final plant shutdown. These factors include the cost of each decommissioning alternative, minimization of occupational radiation exposure, availability of a low-level waste disposal facility, availability of a high-level waste (spent fuel) repository, regulatory requirements, and public concerns.

Post-Shutdown Spent Fuel Management Alternatives

Selection of a decommissioning strategy and the associated schedule for completion is in part contingent upon an assumed start date for DOE acceptance of spent fuel and an assumed end date for completion of the transfer of all spent fuel assemblies projected to be generated during a power reactor's operating life. The basic options for long-term post-shutdown spent fuel management currently available to power plant operators are (1) wet storage consisting of continued maintenance and operation of the spent fuel pool, and (2) dry storage consisting of transfer of spent fuel from the fuel pool to on-site dry storage modules after a cooling period. Maintaining the spent fuel pool for an extended duration following cessation of operations prevents termination of the Part 50 license and typically has a higher annual maintenance and operating cost than the dry storage alternative. Transfer of spent fuel to an ISFSI requires additional capital expenditures for purchase and construction of the ISFSI and dismantlement and disposal of the ISFSI following completion of spent fuel transfer to DOE. In both cases the decommissioning and spent fuel management costs are significantly affected by the assumed start and end dates for DOE acceptance of spent fuel.

In January 2013, DOE released its "Strategy for Management and Disposal of Used Nuclear Fuel and High-Level Radioactive Waste" (Ref. No. 5). The DOE Strategy contemplates building the capability to begin executing DOE's commitment to address waste disposal within the next ten years. Under this strategy, by 2021, operation would begin of a "pilot storage facility" with an "initial focus on accepting spent fuel from

shutdown reactor sites." By 2025, a "larger interim storage facility" would be available and by 2048 a geologic repository would commence operations.

For purposes of this estimate, FPL has assumed the DOE pickup of commercial fuel to begin in 2034. The DOE starts accepting spent fuel from the Turkey Point facility in 2035 and the acceptance rate is consistent with the 2004 "Acceptance Priority Ranking & Annual Capacity Report" (Ref. No. 6), which is the most current information regarding the acceptance of spent fuel.

Note that nothing in this update, or in the assumptions and information provided by FPL, should be construed as any sort of admission or concession regarding the legal obligations of DOE. For example, and without limitation, the assumptions for DOE performance utilized in this update do not include consolidation or acceleration via exchanges of acceptance allocations with other utilities, and DOE is also assumed to accept loaded and canistered fuel, although the government's stated positions with respect to such acceptance, including assertions in legal proceedings, have been inconsistent.

3.0 STUDY METHODOLOGY

3.1 General Description

EnergySolutions maintains a proprietary decommissioning cost model based upon the fundamental technical approach established in AIF/NESP-036, "Guidelines for Producing Commercial Nuclear Power Plant Decommissioning Cost Estimates," dated May 1986 (Ref. No. 1). The cost model has been continuously updated in accordance with regulatory requirements, EnergySolutions' actual project experience, and the latest industry technologies. The cost model includes elements for estimating distributed (direct costs) and undistributed costs. Distributed costs are activity specific and include planning and preparation costs as well as the decontamination, packaging, disposal, and removal of major components and systems. For example, the segmentation, packaging, and disposal of the reactor internals is a distributed cost. Undistributed costs, sometimes referred to as collateral costs, are typically time dependent costs such as utility and decommissioning general contractor staff, property taxes, insurance, regulatory fees and permits, energy costs, and security staff.

The methodology for preparing cost estimates for a selected decommissioning alternative requires development of a site-specific detailed work-activity sequence based upon the plant inventory. The activity sequence is used to define the labor, material, equipment, energy resources, and duration required for each activity. In the case of major components, individual work-activity sequence analyses are performed based on the physical and radiological characteristics of the component and the packaging, transportation, and disposal options available.

In addition to actual costs and UCF models the study also relies on information obtained for earlier decommissioning estimates from across the industry and from cost information derived for submitted proposals and bid results.

3.2 Schedule Analysis

EnergySolutions has established a Work Breakdown Structure (WBS) that typically defines decommissioning costs and the schedule into six primary periods to define the scope of work. Those periods are:

- Period 1 – Shutdown and Transition
- Period 2 – SAFSTOR
- Period 3 – Decommissioning and License Termination
- Period 4 – Site Restoration
- Period 5 – Dry Fuel / GTCC Storage and Transfer
- Period 6 – ISFSI Decommissioning

The work is broken down further into sub-periods as defined in Section 4.2 below.

Once the work activity durations are established, a time-phased schedule and cash-flow analysis are performed using EnergySolutions' integrated HardDollar estimating and scheduling tools to generate annual spending.

The schedule accounts for constraints such as spent fuel cooling periods and regulatory reviews. The schedule is typically delineated into periods that differentiate manpower requirements and undistributed costs.

3.3 Decommissioning Staff

EnergySolutions' philosophy towards decommissioning is to assume that the project will be performed in an efficiently planned and executed manner using project personnel experienced in decommissioning. These DCE scenarios assume that the decommissioning will be performed by a highly experienced and qualified DGC, with oversight and management of the decommissioning operations performed by the utility staff. It is also assumed that the utility staff will be supplemented by professional consulting engineering, particularly in the planning and preparation phase.

Staffing levels for each project period are based on the Atomic Industrial Forum (AIF) guidelines, EnergySolutions' project experience and industry practice. The sizes of the staffs are varied in each period in accordance with the requirements of the work activities. Staffing has been organized into the following departments or functional groups:

- Administration
- Engineering
- Health Physics/Radiation Protection
- Management
- Maintenance and Operations
- Quality Assurance
- Security Administration
- Security Guard Force
- Waste Operations
- DGC Staff

3.4 Waste Disposal

Waste management costs comprise a significant portion of the decommissioning cost estimate. Additionally, limited future access to disposal sites licensed for receipt of Class B and C wastes introduces a significant level of uncertainty with respect to the appropriateness of using existing rate structures to estimate disposal costs of these wastes. EnergySolutions' approach to estimating waste disposal costs is discussed in the following paragraphs.

Waste Classification

Regulations governing disposal of radioactive waste are stringent in order to ensure control of the waste and preclude adverse impact on public health and safety. At present, low-level radioactive waste (LLRW) disposal is controlled by NRC Regulation 10 CFR 61, which went into effect in December 1983. This regulation stipulates the criteria for the establishment and operation of shallow-land LLRW burial facilities. Embodied within this regulation are criteria and classifications for packaging LLRW such that it is acceptable for burial at licensed LLRW disposal sites.

For each waste classification, 10 CFR 61 stipulates specific criteria for physical and chemical properties that the LLRW must meet in order to be accepted at a licensed disposal site. The LLRW disposal criteria of 10 CFR 61 require that LLRW generators determine the proportional amount of a number of specific radioactive

isotopes present in each container of disposable LLRW. This requirement for isotopic analysis of each waste stream of disposable LLRW is met by employing a combination of analytical techniques such as computerized analyses based upon scaling factors, sample laboratory analyses, and direct assay methods. Having performed an isotopic analysis of each container of disposable LLRW, the waste must then be classified according to one of the classifications (Class A, B, C or Greater Than Class C (GTCC)) as defined in 10 CFR 61.

EnergySolutions' classification of LLRW resulting from decommissioning activities is based on AIF/NESP-036 (Ref. No. 1), NUREG/CR-0130 (Ref. No. 7), NUREG/CR-0672 (Ref. No. 8), and recent industry experience. The estimated curie content of the reactor vessel and internals at shutdown is derived from NUREG/CR-0130 for Pressurized Water Reactors (PWRs) and NUREG/CR-0672 for Boiling Water Reactors (BWRs) and adjusted for the different mass of components and period of decay.

Packaging

Selection of the type and quantity of containers required for Class B and C wastes is based on the most restrictive of either curie content, dose rate, container weight limit, or container volume limit. GTCC wastes from segmentation of the reactor vessel internals is packaged in fuel canisters. The selection of container type for Class A waste is based on the transportation mode (rail, truck, barge, etc.) and waste form. The quantity of Class A waste containers is determined by the most restrictive of either container weight limit or container volume limit. Large components, such as pressurizers, and reactor recirculation pumps, are shipped as their own container with shielding as required.

Custom container costs are obtained from manufacturers. Shielded transport cask and liner costs are obtained from EnergySolutions or other cask owners and operators.

Transportation

Transportation routes to processing and disposal facilities are determined based on available transportation modes (truck, rail, barge or combinations). Transportation costs for the selected routes and modes are obtained from vendor quotes or published tariffs whenever possible.

Class A Disposal Options and Rates

In accordance with the existing Life-of-Plant (LOP) Disposal Agreement (Ref. No. 9), all Class A waste that meets the Clive facility waste acceptance criteria may be disposed of at Clive. All reported waste disposal costs include packaging, transportation, and any applicable surcharges.

Class B and C Disposal Options and Rates

Currently, within the United States, there are only three operational commercial disposal facilities licensed to accept Class B and C LLRW: the Barnwell facility, operated by EnergySolutions in Barnwell, South Carolina, the U.S. Ecology facility in Richland, Washington, and the licensed facility in Andrews County, Texas operated by Waste Control Specialists (WCS). Barnwell only accepts waste from states within the Atlantic Compact, U.S. Ecology only accepts waste from states within the Northwest and Rocky Mountain Compacts. However, the WCS facility will accept waste from the Texas Compact (comprised of Texas and Vermont) and non-

Compact generators. The Texas Compact Commission on March 23, 2012, approved amendments to rules allowing the import of non-compact generator LLRW for disposal at the Andrews County facility.

In accordance with the existing Life-of-Plant (LOP) Disposal Agreement, all Class B and C waste that meets the WCS facility waste acceptance criteria is to be disposed of at WCS, Andrews County, TX facility. All reported waste disposal costs include packaging, transportation, and any applicable surcharges.

Greater Than Class C (GTCC)

Wastes identified as 10 CFR 61 Class A, B, and C may be disposed of at a near-surface disposal facility. Certain components are highly activated and may exceed the radionuclide concentration limitations for 10 CFR 61 Class C waste. In accordance with 10 CFR 61, these components cannot be disposed of in a near-surface LLRW disposal facility and must be transferred to a geologic repository or a similar site approved by the NRC.

Highly activated sections of the reactor vessel internals will result in GTCC waste. Presently, a facility does not exist for the disposal of wastes exceeding 10 CFR 61 Class C limitations. *EnergySolutions* assumes that the DOE will accept this waste along with spent fuel. Although courts have held that DOE is obligated to accept and dispose of GTCC, issues regarding potential costs remain unsettled. Therefore, *EnergySolutions* conservatively estimates a GTCC waste disposal cost. *EnergySolutions* assumes that the GTCC waste will be stored in dry storage containers and be shipped to a storage or disposal facility by DOE along with the spent fuel.

Additionally, *EnergySolutions* assumes shipping costs for GTCC waste to be equivalent to the commercial cost of shipping a Type B licensed, shielded cask such as the CNS 8-120B cask, which is owned and operated by *EnergySolutions*.

LLRW Volume Reduction

Based on current Class A LLRW disposal rates, *EnergySolutions* does not assume on-site volume reduction techniques such as waste compaction or an aggressive decontamination, survey and release effort. These activities are not currently considered to be cost effective over disposal.

Non-Radioactive Non-Hazardous Waste Disposal

EnergySolutions assumes that recyclable, non-radioactive scrap metal resulting from the decommissioning program will be transported to a scrap metal dealer. Concrete debris is assumed to be processed by size reduction, with removal of structural reinforcing steel, and used on site as engineered fill for voids. Asphalt from parking lots and roadways is assumed to be stockpiled on site and removed, at no cost to the project, by a recycler. All other demolition debris is removed from the site and disposed of at a local construction debris landfill.

Hazardous and Industrial Waste Disposal

Uncontaminated lead shielding remaining after shutdown was assumed to be removed from its installed locations and shipped off site by entities having a need for the material. The entities receive the lead at no charge in return for providing the removal and shipping services. Non-radioactive contaminated surfaces coated with lead-based paint will be removed as non-hazardous building demolition debris. All other

chemicals and hazardous materials present at shutdown will be removed and properly disposed of during decommissioning.

3.5 Final Status Survey

The cost of performing a final status survey (FSS) is based on NUREG-1575, "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)" (Ref. No. 10). Estimates of MARSSIM Class I, II and III survey designations are based on information furnished by FPL, radiological assumptions regarding contamination resulting from historic plant operations and from small and large component removal activities. The FSS activity cost calculation includes the in-place remote survey of underground metal and concrete pipe, soil, and groundwater sampling and analysis. Estimated costs for NRC and Oak Ridge Institute for Science and Education (ORISE) verification are also included, and the NRC review period is incorporated into the project schedule.

3.6 Contingency

Contingencies are applied to cost estimates primarily to allow for unknown or unplanned occurrences during the actual program, e.g., increased radioactive contamination over that expected, equipment breakdowns, weather delays, and labor strikes. This is consistent with the definition provided in the DOE Cost Estimating Guide, DOE G 430.1-1, 3-28-97 (DOE G) (Ref. No. 11). Contingency "covers costs that may result from incomplete design, unforeseen and unpredictable conditions, or uncertainties within the defined project scope. The amount of contingency will depend on the status of design, procurement, and construction; and the complexity and uncertainties of the component parts of the project. Contingency is not to be used to avoid making an accurate assessment of expected costs." *EnergySolutions* determines site-specific contingency factors to be applied to each estimate based on industry practices and actual project experience.

The DOE has established a recommended range of contingencies as a function of completeness of program design, DOE G. The ranges are:

<u>Type of Estimate</u>	<u>Contingency Range as a % of Total Estimate</u>
Planning Phase Estimate	20-30
Budget Estimate	15-25
Title I (Preliminary Design Estimate)	10-20
Title II (Definitive Design Estimate)	5-15

The approach in this estimate to assigning appropriate contingency rates is based upon adaptations of published values for the specific decommissioning activities as well as project experience and current industry practices. One source for such published information is AIF/NESP-036 "Guidelines for Producing Nuclear Plant Decommissioning Cost Estimates" (Ref. No. 1). The AIF guideline identifies contingencies for activities specific to a nuclear power plant decommissioning, such as reactor internals removal. The contingencies presented in the AIF guideline are based on the assumption that the estimated costs are not well known; therefore, the recommended contingencies are greater than they would be if the estimated costs were well known. With the exception of the system decontamination, reactor vessel and reactor internals removal, and disposal, the contingencies presented in the AIF guideline are consistent with the values for a Budget/Title I estimate. The system decontamination, reactor vessel and reactor internals removal, and disposal contingencies recommended in the AIF guideline are significantly higher than the ranges identified by the DOE, even for a planning phase document. This is due to the unique nature of these

activities and the relatively small amount of historical data available at the time the AIF document was written.

The application of contingency rates in this estimate are consistent with information presented in AIF guideline and DOE G. The decommissioning costs generated in the estimate are considered well known and, as such, the contingencies presented in AIF guideline were reduced for each category of costs. There have also been a number of large-scale decommissioning projects since AIF was published, including *EnergySolutions*, providing substantial historical information that has been used in preparing this estimate, allowing for additional reduction in contingency costs.

The following table provides a summary of contingency values included in the Decommissioning Cost Estimate:

- 10% contingency on SAFSTOR staff and undistributed costs
- 15% contingency on non-rad build demolition and site restoration activities
- 15% contingency on dry fuel storage & ISFSI operations activities
- 15% contingency on dry fuel transfer to DOE
- 15% contingency on staff and undistributed costs
- 15% contingency on GTCC transportation and disposal
- 20% contingency on reactor vessel segmentation
- 20% contingency on large component and system removal
- 20% contingency on rad building interior and exterior demolition
- 20% contingency on final status surveys
- 20% contingency on wet fuel transfer to the DOE
- 20% contingency on remediation and disposal of contaminated soils
- 25% contingency on asbestos abatement

A reactor decommissioning program will be conducted under an NRC-approved Quality Assurance Program which meets the requirements of 10 CFR 50, Appendix B. However, the development of the quality assurance program, the performance of work under that program, and the effort required to ensure compliance with the program, is already included in the detailed cost estimate. Therefore, *EnergySolutions* does not include quality assurance as an element of the contingency allowance. The same is true where radioactive contamination or activated materials are dealt with. The cost factors and associated calculations fully reflect the cost impact of that material, and a separate contingency is not required specifically due to working with contamination.

3.7 Cost Reporting

Total project costs are aggregated from the distributed activities (Direct Costs) and undistributed costs into the following categories:

- Labor
- Materials and Equipment
- Waste Transportation and Disposal
- Other Direct Costs

Other costs include property taxes, insurance, license fees, permits, and energy. Waste disposal costs are the summation of packaging, transportation, base disposal rate, and any applicable surcharges. Health

physics (HP) supplies and small tool costs are calculated as a component of each distributed activity cost and included in the category of Material and Equipment, with the exception that HP supplies for the utility HP staff are calculated and reported as an undistributed line item. A contingency is then applied to each activity.

4.0 SITE-SPECIFIC TECHNICAL APPROACH

4.1 Facility Description

Turkey Point Nuclear Plant is a nuclear-powered electrical generating facility consisting of two PWRs. The plant is located near Homestead, Florida, 25 miles south of Miami, Florida. The plant is situated on an 11,000-acre tract of land which is dominated by protected mangrove swamps. The cooling canals encompass an additional 6,800 acres.

Both Unit 3 and Unit 4 are three-loop Westinghouse PWRs with a current thermal output of 2,644 MWt and a design electrical rating of 844 MWe and 840 MWe, respectively. The current license expiration dates for Units 3 and 4 are in 2052 and 2053, respectively.

Turkey Point has an existing ISFSI supporting Units 3 and 4. The ISFSI is operated under the 10 CFR Part 72 general license using the manufacturer's Certificate of Compliance.

A list of the Turkey Point systems and structures included in the material inventory for this study is provided in Appendix A.

4.2 Decommissioning Periods

EnergySolutions has established a Work Breakdown Structure (WBS) that typically defines decommissioning cost estimates with six primary periods to define the scope of work. Those periods are:

- Period 1 – Shutdown and Transition
- Period 2 – SAFSTOR
- Period 3 – Decommissioning and License Termination
- Period 4 – Site Restoration
- Period 5 – Dry Fuel / GTCC Storage and Transfer
- Period 6 – ISFSI Decommissioning

The work is broken down further into sub-periods.

The project periods defined for this site-specific study and a summary of activities performed during each period are listed below.

SCENARIO 1 – DECON both following Unit 4 Shutdown:

Period 1 – Shutdown and Transition:

Period 1a – Planning Prior to Shutdown (by Plant Operations)

Period 1b – Unit 3 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for Decommissioning
- Prepare PSDAR and License Documents
- Engineering Activities in Preparation for Decommissioning

Period 1c – Unit 3 Post-Shutdown Deactivation and Modifications:

- Defuel Reactor Unit 3 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications

Period 1d – Unit 3 Wet Fuel Transfer to DOE prior to DECON:

- Provide Transfer Casks (supplied by DOE)
- Procure Spent Fuel Loading and Transfer Equipment
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load DOE Casks
- Dry, Close and Inspect DOE-supplied Casks
- Load Out Casks to DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 1e – Unit 3 Wet Fuel Transfer to ISFSI prior to Shutdown:

- Purchase Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1f – Unit 4 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for Decommissioning
- Preparation of PSDAR and Licensing Documents
- Engineering Activities in Preparation for Decommissioning

Period 1g – Unit 4 Post-Shutdown Preparations and Deactivation:

- Defuel Reactor Unit 4 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications

Period 1h – Unit 4 Wet Fuel Transfer to DOE prior to DECON:

- Provide Transfer Casks (supplied by DOE)
- Procure Spent Fuel Loading and Transfer Equipment
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load DOE Casks
- Dry, Close and Inspect DOE-supplied Casks
- Load Out Casks to DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 1i – Unit 4 Wet Fuel Transfer to ISFSI prior to DECON:

- Provide Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks

- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1j – Undistributed Costs for Shutdown and Transition:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Energy
- County and FEMA Fees
- ISFSI Operating Costs
- Spent Fuel Maintenance

Period 2 – SAFSTOR (not included in Scenario 1):

Period 3 – Decommissioning and License Termination:

Period 3a – Decommissioning Planning:

- Decommissioning Planning and Design
- Prepare Integrated Work Sequence and Schedule
- Site Characterization
- Prepare Decommissioning Activity Specifications
- Prepare Detailed Work Procedures
- Prepare License Termination Plan
- Design Containment and Miscellaneous System Modifications
- Purchase Dry Storage Modules for GTCC Waste

Period 3b – Decommissioning Transition and Preparations:

- Mobilize Decommissioning General Contractor
- Perform Asbestos Abatement of Pipe Insulation
- Implement Cold and Dark and Install Temporary Power
- Construct Misc. Building Modifications, In-Plant Laydown Areas
- Modify Containment Access
- Transportation Infrastructure Modifications
- Procure Waste Handling and Processing Tents

Period 3c – Reactor Vessel Removal:

- Design and Procure Special Equipment
- Test Special Cutting and Handling Equipment and Train Operators
- Finalize Internals and Vessel Segmentation Details

- Segment, Package and Ship Reactor Internals
- Segment, Package and Ship RPV
- Package and Ship Reactor Pressure Vessels

Period 3d – Large Component Removal:

- Heavy Lift / Transfer Equipment
- Remove and Dispose of Steam Generators
- Remove and Dispose of Pressurizer
- Remove and Dispose of Reactor Coolant Pipe
- Remove and Dispose of Reactor Coolant Pumps
- Package, Ship and Dispose

Period 3e – Plant Decontamination and Interior Rad Demolition:

- Remove and Dispose of Spent Fuel Storage Racks
- Segment, Package and Dispose of Spent Fuel Pool Island Equipment
- Decon/Surgical Removal Containment Buildings
- Decon/Surgical Removal Fuel Buildings
- Decon/Surgical Removal Auxiliary Building
- Decon/Surgical Removal Radwaste Building
- Package, Dispose and Ship

Period 3f – Rad Building Demolition:

- Demolish Fuel Buildings
- Demolish Auxiliary Building
- Demolish Radwaste Building
- Demolish Containment Buildings
- Demolish LLW Storage Building
- Contaminated Soil
- Debris Disposal

Period 3g – License Termination Activities:

- Final Status Survey for Structures
- Final Status Survey for Land Areas (included with Structures)

Period 3h – Undistributed Costs for Decommissioning and License Termination:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Florida LLRW Inspection Fee

- Licenses and Permits
- Materials and Services
- Energy
- DGC HP Supplies

Period 4 – Site Restoration:

Period 4a – Clean Building and Site Demolition:

- Demolish Turbine Pedestal and Turbine Deck
- Demolish Sealwell
- Demolish Intake and Circulating Water System (CWS)
- Demolish Tank Foundations
- Demolish Miscellaneous Site Structures
- Demolish Security Improvements
- Demolish Maintenance Facility
- Demolish Control Building
- Clean Concrete Processing
- Demolish Site Paving
- Clean Debris Disposal / Recycle

Period 4b – Site Restoration:

- Procure Site Restoration Equipment
- Finish Grading and Re-Vegetate Site

Period 4c – Undistributed Costs for Site Restoration:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Energy
- Materials and Services
- Licenses and Permits

Period 5 – Dry Fuel / GTCC Storage and Transfer:

Period 5a – Dry Fuel Transfer to DOE during and after DECON:

- Procure Loading and Transfer Equipment (included in Period 1)
- Procedures and Dry Runs (included in Period 1)
- Remove Fuel Casks from ISFSI and Load DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 5b – GTCC Waste Disposition:

- Remove GTCC Casks from ISFSI and Load Out

- GTCC Transportation and Disposal

Period 5c – Undistributed Costs for Dry Fuel / GTCC Storage and Transfer:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- NRC Inspection Fees
- Licensing Fees
- Licenses and Permits
- Materials and Services
- ISFSI Operating Costs

Period 6 –ISFSI Decommissioning:

Period 6a – ISFSI D&D Planning and Preparations:

- Preparation and NRC Review of License Termination Plan

Period 6b – ISFSI and Support Structure Clean Demolition:

- Clean Demolition of ISFSI
- Demolition of ISFSI Support Structures

Period 6c – ISFSI Final Status Surveys:

- Verification Surveys
- Preparation of Final Report on Decommissioning and NRC Review

Period 6d – Undistributed Costs for ISFSI Decommissioning:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Materials and Services
- Energy
- Licenses and Permits

SCENARIO 2 – SAFSTOR

Period 1 – Shutdown and Transition:

Period 1a – Planning Prior to Shutdown (by Plant Operations):

Period 1b – Unit 3 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for Decommissioning
- Prepare PSDAR and License Documents
- Engineering Activities in Preparation for Decommissioning

Period 1c – Unit 3 Post-Shutdown Deactivation and Modifications:

- Defuel Reactor Unit 3 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications
- Implement Cold and Dark
- Perform Pre-SAFSTOR Baseline Radiation Survey

Period 1d – Unit 3 Wet Fuel Transfer to DOE prior to SAFSTOR:

- Provide Transfer Casks (supplied by DOE)
- Procure Spent Fuel Loading and Transfer Equipment
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load DOE Casks
- Dry, Close and Inspect DOE-supplied Casks
- Load Out Casks to DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 1e – Unit 3 Wet Fuel Transfer to ISFSI prior to SAFSTOR:

- Purchase Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1f – Unit 4 Post-Shutdown Planning and Engineering:

- Administrative Activities in Preparation for Decommissioning
- Preparation of PSDAR and Licensing Documents
- Engineering Activities in Preparation for Decommissioning

Period 1g – Unit 4 Post-Shutdown Preparations and Deactivation:

- Defuel Reactor Unit 4 (by Plant Operations)
- Fuel Sampling and Inspections (by Plant Operations)
- Spent Fuel Pool System Modifications
- Implement Cold and Dark
- Perform Pre-SAFSTOR Baseline Radiation Survey

Period 1h – Unit 4 Wet Fuel Transfer to DOE prior to DECON:

- Provide Transfer Casks (supplied by DOE)
- Procure Spent Fuel Loading and Transfer Equipment
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load DOE Casks
- Dry, Close and Inspect DOE-supplied Casks
- Load Out Casks to DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 1i – Unit 4 Wet Fuel Transfer to ISFSI prior to SAFSTOR:

- Provide Transfer Casks
- Procedures and Dry Runs
- Remove Fuel Assemblies from Pool and Load Casks
- Dry, Close and Inspect Casks
- Load Out Casks to Transport

Period 1j – Undistributed Costs for Shutdown and Transition:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Materials and Services
- Energy
- County and FEMA Fees
- Licenses and Permits
- ISFSI Operating Costs
- Spent Fuel Maintenance

Period 2 – SAFSTOR:

Period 2a – Dormancy during Dry Fuel Storage:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Licenses and Permits
- Materials and Services
- Energy
- Roof Replacement

Period 2b – Dormancy Only:

- Utility Staff
- Security Guard Force
- Property Taxes
- Insurance

- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Licenses and Permits
- Materials and Services
- Energy
- Roof Replacement

Period 3 – Decommissioning and License Termination:

Period 3a – Decommissioning Planning:

- Decommissioning Planning and Design
- Site Characterization
- Prepare Integrated Work Sequence and Schedule
- Prepare Decommissioning Activity Specifications
- Prepare License Termination Plan
- Prepare Detailed Work Procedures
- Design Containment and Miscellaneous System Modifications
- Purchase Dry Storage Modules for GTCC Waste

Period 3b – Decommissioning Transition and Preparations:

- Mobilize Decommissioning General Contractor
- Perform Asbestos Abatement of Pipe Insulation
- Implement Temporary Power Upgrades
- Construct Misc. Building Modifications, In-Plant Laydown Areas
- Modify Containment Access
- Transportation Infrastructure Modifications
- Procure Waste Handling and Processing Tents

Period 3c – Reactor Vessel Removal:

- Design and Procure Special Equipment
- Test Special Cutting and Handling Equipment and Train Operators
- Finalize Internals and Vessel Segmentation Details
- Segment, Package and Ship Reactor Internals
- Segment, Package and Ship RPV
- Package, Ship and Dispose

Period 3d – Large Component Removal:

- Heavy Lift / Transfer Equipment
- Remove and Dispose of Steam Generators
- Remove and Dispose of Pressurizer
- Remove and Dispose of Reactor Coolant Pipe
- Remove and Dispose of Reactor Coolant Pumps
- Package, Ship and Dispose

Period 3e – Plant Decontamination and Interior Rad Demolition:

- Remove and Dispose of Spent Fuel Storage Racks
- Segment, Package and Dispose of Spent Fuel Pool Island Equipment
- Decon/Surgical Removal Containment Buildings
- Decon/Surgical Removal Fuel Buildings
- Decon/Surgical Removal Auxiliary Building
- Decon/Surgical Removal Radwaste Building
- Package, Ship and Dispose

Period 3f – Rad Building Demolition:

- Demolish Fuel Buildings
- Demolish Auxiliary Building
- Demolish Radwaste Building
- Demolish Containment Buildings
- Demolish LLW Storage Building
- Contaminated Soil
- Debris Disposal

Period 3g – License Termination Activities:

- Final Status Survey for Structures
- Final Status Survey for Land Areas (included with Structures)

Period 3h – Undistributed Costs for Decommissioning and License Termination:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Utility Staff HP Supplies
- NRC Inspection Fees
- Licensing Fees
- Florida LLRW Inspection Fee
- Licenses and Permits
- Materials and Services
- Energy
- DGC HP Supplies

Period 4 – Site Restoration:

Period 4a – Clean Building and Site Demolition:

- Demolish Turbine Pedestal and Turbine Deck
- Demolish Sealwell
- Demolish Intake and CWS
- Demolish Tank Foundations

- Demolish Miscellaneous Site Structures
- Demolish Security Improvements
- Demolish Maintenance Facility
- Demolish Control Building
- Clean Concrete Processing
- Demolish Site Paving
- Clean Debris Disposal / Recycle

Period 4b – Site Restoration:

- Procure Site Restoration Equipment
- Finish Grading and Re-Vegetate Site

Period 4c – Undistributed Costs for Site Restoration:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Corporate Support
- Energy
- Materials and Services
- Licenses and Permits

Period 5 – Dry Fuel / GTCC Storage and Transfer:

Period 5a – Dry Fuel Transfer to DOE during and after DECON:

- Procure Loading and Transfer Equipment (included in Period 1)
- Procedures and Dry Runs (included in Period 1)
- Remove Fuel Casks from ISFSI and Load DOE Transport
- Spent Fuel Transportation and Disposal (by DOE)

Period 5b – GTCC Waste Disposition:

- Remove GTCC Casks from ISFSI and Load Out
- GTCC Transportation and Disposal

Period 5c – Undistributed Costs for Dry Fuel / GTCC Storage and Transfer:

- Utility Staff
- Security Guard Force
- ISFSI Operating Costs

Period 6 –ISFSI Decommissioning:

Period 6a – ISFSI D&D Planning and Preparations:

- Preparation and NRC Review of License Termination Plan

Period 6b – ISFSI and Support Structure Clean Demolition:

- Clean Demolition of ISFSI
- Demolition of ISFSI Support Structures

Period 6c – ISFSI Final Status Surveys:

- Verification Surveys
- Preparation of Final Report on Decommissioning and NRC Review

Period 6d – Undistributed Costs for ISFSI Decommissioning:

- Utility Staff
- Security Guard Force
- General Contractor Staff
- Property Taxes
- Insurance
- Materials and Services
- Energy
- Licenses and Permits

4.3 Decommissioning Staff

EnergySolutions developed staffing based on the assumption that decommissioning will be performed by an experienced and qualified Decommissioning General Contractor, with oversight, management and security of the decommissioning operations performed by the utility staff. It is also assumed that the utility staff will be supplemented by professional consulting engineering, particularly in the planning and preparation period.

The sizes of the staffs are varied in each period in accordance with the requirements of the work activities. Details on the staff levels, by functional group, during each period are provided in detail in [Appendix D](#).

4.4 Spent Fuel Management Staff

The largest spent fuel staff and security is in place while the fuel pool is operational during the minimum cooling period and the fuel assemblies are being transferred to either a DOE facility or dry storage. Once all spent fuel has been removed from the spent fuel pool, the staff and security levels are reduced. Details on the staff levels, by functional group, during each period are provided in [Appendix D](#).

4.5 Spent Fuel Shipments

The spent fuel shipment schedules for this estimate are based on information from FPL regarding existing fuel inventory, planned transfers to dry storage and a projected date of 2035 for DOE's acceptance of Turkey Point's spent fuel.

5.0 BASIS OF ESTIMATE AND KEY ASSUMPTIONS

The basis of, and key assumptions for, this site-specific decommissioning estimate are presented below:

1. All cost data used in this study are 2025 dollars.
2. Total and subtotal amounts are rounded.
3. The decommissioning will be performed under the current regulations. These regulations require a Post-Shutdown Decommissioning Activities Report (PSDAR) to be submitted prior to, or within, two years after permanent shutdown. Other revisions will be required for other licensing basis documents (e.g., Security, Emergency Planning, Fire Protection, Nuclear Safety, Quality Assurance Program, Fuel Debris issues, Spent Fuel Storage options).
4. The decommissioning will be performed using currently available technologies.
5. Fuel transfer operations are based on the DOE beginning to accept spent fuel from Turkey Point starting in 2035.
6. All transformers on site following shutdown are assumed to be PCB-free; therefore, this study does not include costs for disposition of PCB contaminated transformers.
7. Cost for transportation of clean scrap metal to a recycler is included in the estimate; however, no credit is taken for the value of the scrap metal. Clean concrete debris is assumed to be processed by size reduction, with removal of structural reinforcing steel, and used on site as engineered fill for voids.
8. DGC staff salaries, including overhead and profit, were determined by using EnergySolutions' project experience and standard assumptions for these rates.
9. Certain professional personnel used for the planning and preparation activities, and DGC personnel, that are not based in the local economy are assumed to be paid per diem based on area per diem rates from U.S. General Services Administration (GSA).
10. This study follows the occupational exposure principles of As Low As Reasonably Achievable (ALARA) through the use of productivity loss factors that incorporate such items as the use of respiratory protection and personnel protective clothing. These factors increase the work duration and cost.
11. The costs of all required safety analyses and safety measures for the protection of the general public, the environment, and decommissioning workers are included in the cost estimates. This reflects the requirements of:

10 CFR 20	Standards for Protection Against Radiation
10 CFR 50	Domestic Licensing of Production and Utilization Facilities
10 CFR 61	Licensing Requirements for Land Disposal of Radioactive Waste

10 CFR 71	Packaging of Radioactive Material for Transport
10 CFR 72	Licensing Requirements for the Independent Storage of Spent Nuclear Fuel and High-Level Radioactive Waste
29 CFR 1910	Occupational Safety and Health Standards
49 CFR 170-189	Department of Transportation Regulations Governing the Transport of Hazardous Materials
Reg. Guide 1.159	Assuring the Availability of Funds for Decommissioning Nuclear Reactors

12. EnergySolutions developed project schedules based on Unit 3 and Unit 4 shutdown dates of 2052 and 2053, respectively, and fuel shipping schedules provided by FPL.
13. Spent fuel in the fuel pools at the time of shutdown will be transferred directly to the DOE-provided transfer/shipping casks from 2035 through 2054. The 2025 Cost Analysis includes costs for transfer after shutdown to the DOE beginning in 2052 for Unit 3 and 2053 for Unit 4. Costs prior to these dates are assumed to be paid from the plant operations budget. Remaining spent fuel in 2053-2054 will be transferred from the spent fuel pool to the on-site ISFSI. The estimate includes purchase of transfer/shipping casks of the remaining spent fuel to be moved to the ISFSI.
14. Spent fuel canisters in the ISFSI at the time of shutdown will remain in dry storage until transfer to the DOE. The estimate includes transferring fuel from the existing ISFSI to the DOE-provided transfer/shipping casks during Period 5.
15. Costs for ISFSI security, operations and demolition for Units 3 and 4 are included in the estimate.
16. The estimate includes procurement of on-site fuel transfer equipment. It is assumed that equipment purchased for transfer equipment utilized during shipment from the spent fuel pool to the DOE will be utilized for the transfer of spent fuel to the ISFSI and is included in Period 1. It is assumed that this equipment will also be utilized for transfer/loading casks from the ISFSI to the DOE.
17. Based on FPL experience, the purchase of dry storage DSCs and HSMs required following shutdown are assumed to be 25% lower than for normal campaign costs due to volume discounts associated with the larger quantity of DSCs and HSMs required to transfer all fuel assemblies from the SFP to the Pad.
18. As per FPL's settlement agreement, the DOE is expected to make payments to FPL to cover spent fuel management costs incurred by FPL prior to 2066 for Turkey Point.
19. The DOE is responsible for providing all transfer/shipping casks, containers, transportation and disposition of spent fuel shipped from the fuel pool and the ISFSI to a DOE designated off-site facility.
20. The estimate is based on site-specific plant systems and building inventories previously included in the 2020 Cost Study, and includes any updates provided by FPL.

21. All structures/systems shared between Unit 3 and Unit 4 are included in Unit 4 cost estimate.
22. License Termination costs include the complete demolition of the following buildings to a nominal depth of three feet below grade: Reactor Building, Auxiliary Building, LLW Storage Building, Radwaste Building, and Fuel Handling Building.
23. The estimate is based on final site restoration, in which all remaining structures, with the exception of the switchyard and any structures associated with Turkey Point Units 3 and 4 will be removed. Intake and Discharge canals also will remain in place.
24. Foundations and building exterior walls are removed to a nominal depth of three feet below grade, surveyed and backfilled with appropriate fill material.
25. Clean concrete will be processed and utilized as backfill where needed to re-establish grade. The disturbed area of the site is to be graded and seeded.
26. Uncontaminated lead shielding remaining after shutdown was assumed to be removed from its installed locations and shipped off site by entities having a need for the material. The entities receive the lead at no charge in return for providing the removal and shipping services.
27. Any chemicals and hazardous materials present at shutdown are assumed to be removed and disposed of by the plant staff prior to decommissioning, as a normal part of plant operations.
28. All Class A waste is assumed to be disposed of at EnergySolutions' facility in Clive, Utah, in accordance with the existing LOP Disposal Agreement (Ref. No. 9) between EnergySolutions and FPL dated January 1, 2007. A LOP agreement letter stating the 2025 price increase was also utilized to develop the waste disposal costs.
29. Class A waste includes Dry Active Waste (DAW) arising from the disposal of contaminated protective clothing and health physics supplies.
30. Class B and C waste disposal costs are based on disposal rates provided by FPL for the WCS Andrews, TX facility. All resins and filter waste is assumed to be Class B.
31. GTCC waste generated from the segmentation of the reactor internals will be stored in on-site canisters placed in the ISFSI until final disposition at a DOE facility. It is assumed that 8 GTCC canisters will be required for the Turkey Point units (4 canisters for Unit 3 and 4 canisters for Unit 4).
32. Vessel and internals curie estimates were derived from the values for the Reference PWR vessel and internals in NUREG/CR-0130. These values were adjusted for mass and decay period.
33. It is assumed that all Class A LLRW currently being accumulated on site will be removed to a low-level waste processing and/or disposal facility prior to the end of the operating life of the plant. The disposition of such materials is assumed not to be a decommissioning cost.

34. The spent fuel shipping schedules and transfer to dry storage costs for each scenario were developed by FPL and furnished to *EnergySolutions*.
35. Turkey Point currently has an existing ISFSI on site. Construction costs for any expansion of the ISFSI that may be required has not been included, but demolition has been included in the estimate and has been split between both units.
36. *EnergySolutions* has assumed that the 10 CFR Part 50 license for Units 3 and 4 will be terminated after DOE has taken possession of the spent fuel.
37. Emergency Preparedness fees were supplied by FPL. Per direction of FPL emergency preparedness fees are assumed to cease once all spent fuel is removed from the spent fuel pool.
38. NEIL and ANI insurance premiums are included based on the rate schedule provided by FPL. Insurance premiums have been reduced when major milestones have been completed.
39. Units 3 and 4 property taxes are included based on the rate schedule provided by FPL.
40. Energy costs have been estimated based on previous experience of similar projects utilizing energy rates provided by FPL.
41. *EnergySolutions* has included NRC inspection fees during each decommissioning period based on the type and level of activities being performed.
42. *EnergySolutions* has assumed that licensing fees will be reduced after shutdown.
43. Utility staff and security positions, and average direct-burdened salary data were supplied by FPL.
44. Severance costs for Reductions-in-Force immediately following Unit 3 and Unit 4 permanently ceasing operations are excluded from the estimate.
45. Craft labor rates used in the estimate are based on 2019 RS Means rates escalated to 2025 costs.
46. The most recent NRC requirements for Security, Emergency Response, Fukushima, Cyber Security and any other regulatory changes have been included.
47. Undistributed staffing costs, taxes, and fees in Periods 3 and 4 is split 93% for License Termination and 7% Site Restoration with exception licensing and NRC fees (100% License Termination).
48. Institute for Nuclear Power Operations (INPO) and Electric Power Research Institute (EPRI) dues are not included in this estimate.
49. County fees are assumed to be constant throughout the life of the decommissioning project.

6.0 STUDY RESULTS

The study results for each of the DCE scenarios are presented in this section.

The cost estimate results are provided in Table 6-1 below. This table provides License Termination costs (corresponding to 10 CFR 50.75(c) requirements); Spent Fuel Management costs (corresponding to 10 CFR 50.54(bb) requirements) and Site Restoration costs, including activities such as clean building demolition and site grading etc.

Table 6-1

FPL Turkey Point Units 3 and 4 Decommissioning Cost Summary (thousands of 2025 dollars)				
Scenario	License Termination	Spent Fuel	Site Restoration	Total
1	1,181,679	312,767	71,702	1,566,148
2	1,401,067	375,532	71,894	1,848,493

Summary schedule tables are shown for each scenario below. Detailed schedules for each scenario are provided in [Appendix B](#).

Summary cost tables are shown for each scenario below. Detailed estimates for each scenario are provided in [Appendix C](#).

Detailed staffing tables for each scenario are provided in [Appendix D](#).

Summary waste quantities are shown for each scenario below. Waste estimates for each scenario are provided in [Appendix E](#).

Detailed annual spending tables for each scenario are provided in [Appendix F](#).

The following sections provide study results by scenario.

6.1 Scenario 1 – DECON both after Unit 4 Shutdown

Cost Summary

Table 6-2 below provides the cost estimate results for Scenario 1 organized by period and separated into Unit 3, Unit 4 and Total.

Table 6-2

FPL Turkey Point Units 3 and 4 Scenario 1 - Cost Summary by Period & Unit (thousands of 2025 dollars)				
Period	Item Description	Unit 3	Unit 4	Total Cost
Period 1	SHUTDOWN & TRANSITION	147,605	126,476	274,081
Period 2	SAFSTOR	-	-	-
Period 3	DECOMMISSIONING & LICENSE TERMINATION	477,866	560,614	1,038,479
Period 4	SITE RESTORATION	28,685	43,017	71,702
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	83,369	82,651	166,021
Period 6	ISFSI DECOMMISSIONING	8,883	6,983	15,866
	GRAND TOTAL	746,407	819,741	1,566,148

Table 6-3 below provides the cost estimate results for Scenario 1 organized by period and separated by cost type.

Table 6-3

FPL Turkey Point Units 3 and 4 Scenario 1 - Cost Summary by Period & Cost Type (thousands of 2025 dollars)							
Period	Item Description	Labor Cost	Materials & Equipment	Waste Transport & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost
Period 1	SHUTDOWN & TRANSITION	157,155	55,861	-	24,419	36,646	274,081
Period 2	SAFSTOR	-	-	-	-	-	-
Period 3	DECOMMISSIONING & LICENSE TERMINATION	383,902	161,369	290,760	46,090	156,359	1,038,479
Period 4	SITE RESTORATION	39,791	16,670	270	5,618	9,352	71,702
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	82,047	3,508	29,437	29,333	21,695	166,021
Period 6	ISFSI DECOMMISSIONING	10,932	2,496	-	368	2,069	15,866
	GRAND TOTAL	673,827	239,904	320,467	105,829	226,121	1,566,148

A detailed estimate is provided in [Appendix C](#).

Summary Schedule

Table 6-4 below provides a schedule summary for Scenario 1 based on a DECON scenario with Unit 3 Shutdown in 2052 and Unit 4 Shutdown in 2053.

Table 6-4

FPL DCE-02 Turkey Point Units 3 & 4 Scenario 1 Schedule Summary	
Year	Item
2035	DOE starts accepting fuel from spent fuel pool
2052	Unit 3 Shutdown
2053	Unit 4 Shutdown
2053	Unit 3 Fuel Pool Empty
2054	Unit 4 Fuel Pool Empty
2056	Start Demolition
2062	Decommissioning and Site Restoration Complete
2072	ISFSI Empty
2073	ISFSI Decommissioning and Site Restoration Complete

A detailed schedule is provided in [Appendix B](#).

Project Staffing

Table 6-5 below provides project staffing for Scenario 1 organized by period and staff group.

Table 6-5

Period 1 - Shutdown & Transition	2050	2051	2052	2053	2054	2055
Administration	-	-	6	12	12	4
Engineering			20	40	30	8
Health Physics/Rad Protection			20	30	25	20
Management			3	5	5	3
Maintenance & Operations			40	70	50	20
Quality Assurance			2	3	3	1
Utility Staff	-	-	91	160	125	56

Period 3 & 4 - License Term & Site Restoration	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062
Administration					4	4	10	12	12	12	12	7	2
Engineering					4	6	16	20	20	20	20	7	2
Health Physics/Rad Protection						4	8	24	24	24	24	16	4
Management					1	1	4	5	5	4	4	4	2
Maintenance & Operations							10	24	24	20	20	8	2
Quality Assurance					1	1	2	3	3	2	2	2	1
Utility Staff	-	-	-	-	10	16	50	88	88	82	82	44	13
Project Management					2	4	6	10	10	10	10	8	4
Engineering					4	6	6	12	12	10	10	7	2
Health Physics/Rad Protection						4	8	16	16	16	16	12	6
Administration					2	3	6	12	12	12	12	8	4
Maintenance & Operations													
Quality Assurance					1	1	2	4	4	4	4	3	2
Waste Management						1	2	12	12	12	12	12	4
General Contractor Staff	-	-	-	-	9	19	30	66	66	64	64	50	22

Period 5 - Dry Fuel / GTCC Storage & Transfer	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072
Administration													
Engineering					1	1	1	1	1	1	1	1	1
Health Physics/Rad Protection					1	1	1	1	1	1	1	1	1
Management													
Maintenance & Operations					2	2	2	2	2	2	2	2	2
Quality Assurance					1	1	1	1	1	1	1	1	1
Utility Staff	-	-	-	-	1	6	6	6	6	6	6	6	6

Period 6 - ISFSI Decommissioning	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073
Administration										
Engineering										1
Health Physics/Rad Protection										1
Management										1
Maintenance & Operations										
Quality Assurance										1
Utility Staff	-	-	-	-	-	-	-	-	-	4
Project Management									1	1
Engineering									1	1
Health Physics/Rad Protection										1
Administration										1
Maintenance & Operations										
Quality Assurance									1	1
Waste Management									1	1
General Contractor Staff	-	-	-	-	-	-	-	-	4	6

Detailed staffing tables for each scenario are provided in [Appendix D](#).

Waste Disposal Volumes

Waste disposal is a significant element of the decommissioning project. The estimated waste disposal quantities for Scenario 1 are shown in cubic feet of waste as follows:

Class A	2,430,666
Class B/C	4,150
GTCC	4,122

Waste disposal volumes and costs, itemized by packaging, transportation, surcharges and disposal costs by waste class and facility, are provided in [Appendix E](#).

6.2 Scenario 2 – SAFSTOR

Cost Summary

Table 6-6 below provides the cost estimate results for Scenario 2 organized by period and separated into Unit 3, Unit 4 and Total.

Table 6-6

FPL Turkey Point Units 3 and 4 Scenario 2 - Cost Summary by Period & Unit (thousands of 2025 dollars)				
Period	Item Description	Unit 3	Unit 4	Total Cost
Period 1	SHUTDOWN & TRANSITION	155,036	128,565	283,602
Period 2	SAFSTOR	162,264	168,387	330,651
Period 3	DECOMMISSIONING & LICENSE TERMINATION	462,876	545,203	1,008,079
Period 4	SITE RESTORATION	28,828	43,066	71,894
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	68,768	68,777	137,546
Period 6	ISFSI DECOMMISSIONING	9,310	7,411	16,721
	GRAND TOTAL	887,083	961,410	1,848,493

Table 6-7 below provides the cost estimate results for Scenario 2 organized by period and separated by cost type.

Table 6-7

FPL Turkey Point Units 3 and 4 Scenario 2 - Cost Summary by Period & Cost Type (thousands of 2025 dollars)							
Period	Item Description	Labor Cost	Materials & Equipment	Waste Transport & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost
Period 1	SHUTDOWN & TRANSITION	164,502	57,735	-	23,477	37,888	283,602
Period 2	SAFSTOR	134,842	38,227	-	124,782	32,800	330,651
Period 3	DECOMMISSIONING & LICENSE TERMINATION	380,280	158,370	274,715	43,021	151,694	1,008,079
Period 4	SITE RESTORATION	40,116	16,655	285	5,460	9,378	71,894
Period 5	DRY FUEL / GTCC STORAGE & TRANSFER	82,047	2,151	29,437	5,930	17,981	137,546
Period 6	ISFSI DECOMMISSIONING	10,932	2,496	-	1,112	2,181	16,721
	GRAND TOTAL	812,719	275,634	304,438	203,782	251,921	1,848,493

A detailed estimate is provided in [Appendix C](#).

Summary Schedule

Table 6-8 below provides a schedule summary for Scenario 2 based on a SAFSTOR scenario with Unit 3 Shutdown in 2052 and Unit 4 Shutdown in 2053.

Table 6-8

FPL DCE-02 Turkey Point Units 3 & 4 Scenario 2 Schedule Summary	
Year	Item
2035	DOE starts accepting fuel from spent fuel pool
2052	Unit 3 Shutdown
2053	Unit 4 Shutdown
2053	Unit 3 Fuel Pool Empty
2054	Unit 4 Fuel Pool Empty
2055	SAFSTOR Period Begins
2072	ISFSI Empty
2105	SAFSTOR Period Ends
2106	Start Demolition
2112	Decommissioning and Site Restoration Complete
2113	ISFSI Decommissioning and Site Restoration Complete

A detailed schedule is provided in [Appendix B](#).

Project Staffing

Table 6-9 below provides project staffing for Scenario 2 organized by period and staff group.

Table 6-9

Period 1 - Shutdown & Transition	2048	2049	2050	2051	2052	2053	2054	2055
Administration			-	-	6	12	12	4
Engineering					20	40	30	8
Health Physics/Rad Protection					20	30	25	20
Management					3	5	5	3
Maintenance & Operations					40	70	50	20
Quality Assurance					2	3	3	1
Utility Staff	-	-	-	-	91	160	125	56

Period 2 - SAFSTOR	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065/2069	2070	2081	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105
Administration		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Engineering		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Health Physics/Rad Protection		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Management																											
Maintenance & Operations		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Quality Assurance																											
Utility Staff	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Period 3 & 4 - License Term & Site Restoration	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113
Administration		4	4	10	12	12	12	12	7	2	
Engineering		4	6	16	20	20	20	20	7	2	
Health Physics/Rad Protection			4	8	24	24	24	24	16	4	
Management		1	1	4	5	5	4	4	4	2	
Maintenance & Operations				10	24	24	20	20	8	2	
Quality Assurance		1	1	2	3	3	2	2	2	1	
Utility Staff	-	10	16	50	88	88	82	82	44	13	-
Project Management		2	4	6	10	10	10	10	8	4	
Engineering		4	6	6	12	12	10	10	7	2	
Health Physics/Rad Protection			4	8	16	16	16	16	12	6	
Administration		2	3	6	12	12	12	12	8	4	
Maintenance & Operations					-	-	-	-	-	-	
Quality Assurance		1	1	2	4	4	4	4	3	2	
Waste Management			1	2	12	12	12	12	12	4	
General Contractor Staff	-	9	19	30	66	66	64	64	50	22	-

Period 5 - Dry Fuel / BTCC Storage & Trans	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072
Administration																									
Engineering							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Health Physics/Rad Protection							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Management																									
Maintenance & Operations							2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Quality Assurance							1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Utility Staff	-	-	-	-	-	-	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Period 6 - ISFSI Decommissioning	2107	2108	2109	2110	2111	2112	2113	2114	2115
Administration									
Engineering							1		
Health Physics/Rad Protection							1		
Management							1		
Maintenance & Operations									
Quality Assurance							1		
Utility Staff	-	-	-	-	-	-	4	-	-
Project Management						1	1		
Engineering						1	1		
Health Physics/Rad Protection							1		
Administration							1		
Maintenance & Operations									
Quality Assurance						1	1		
Waste Management						1	1		
General Contractor Staff	-	-	-	-	-	4	6	-	-

Detailed staffing tables for each scenario are provided in [Appendix D](#).

Waste Disposal Volumes

Waste disposal is a significant element of the decommissioning project. The estimated waste disposal quantities for Scenario 2 are shown in cubic feet of waste as follows:

Class A	2,390,095
Class B/C	2,686
GTCC	4,122

Waste disposal volumes and costs, itemized by packaging, transportation, surcharges and disposal costs by waste class and facility, are provided in Appendix E.

7.0 REFERENCES

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8. U.S. Nuclear Regulatory Commission, "Technology, Safety and Costs of Decommissioning a Reference Boiling Water Reactor Power Station," NUREG/CR-0672, June 1980. This original NUREG has been updated by NUREG/CR-6174 "Revised Analyses of Decommissioning for the Reference Boiling Water Reactor Power Station."
9. Life-of-Plant Disposal Agreement, between EnergySolutions, LLC and FPL, dated February 4, 2025.
10. U.S. Nuclear Regulatory Commission, "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)," NUREG-1575, Rev. 1, August 2000.
11. U.S. Department of Energy, "Cost Estimating Guide," DOE G 430.1-1, March 1997.

APPENDIX A
FPL - Turkey Point - UNITS 3 & 4
Plant Structures and Systems

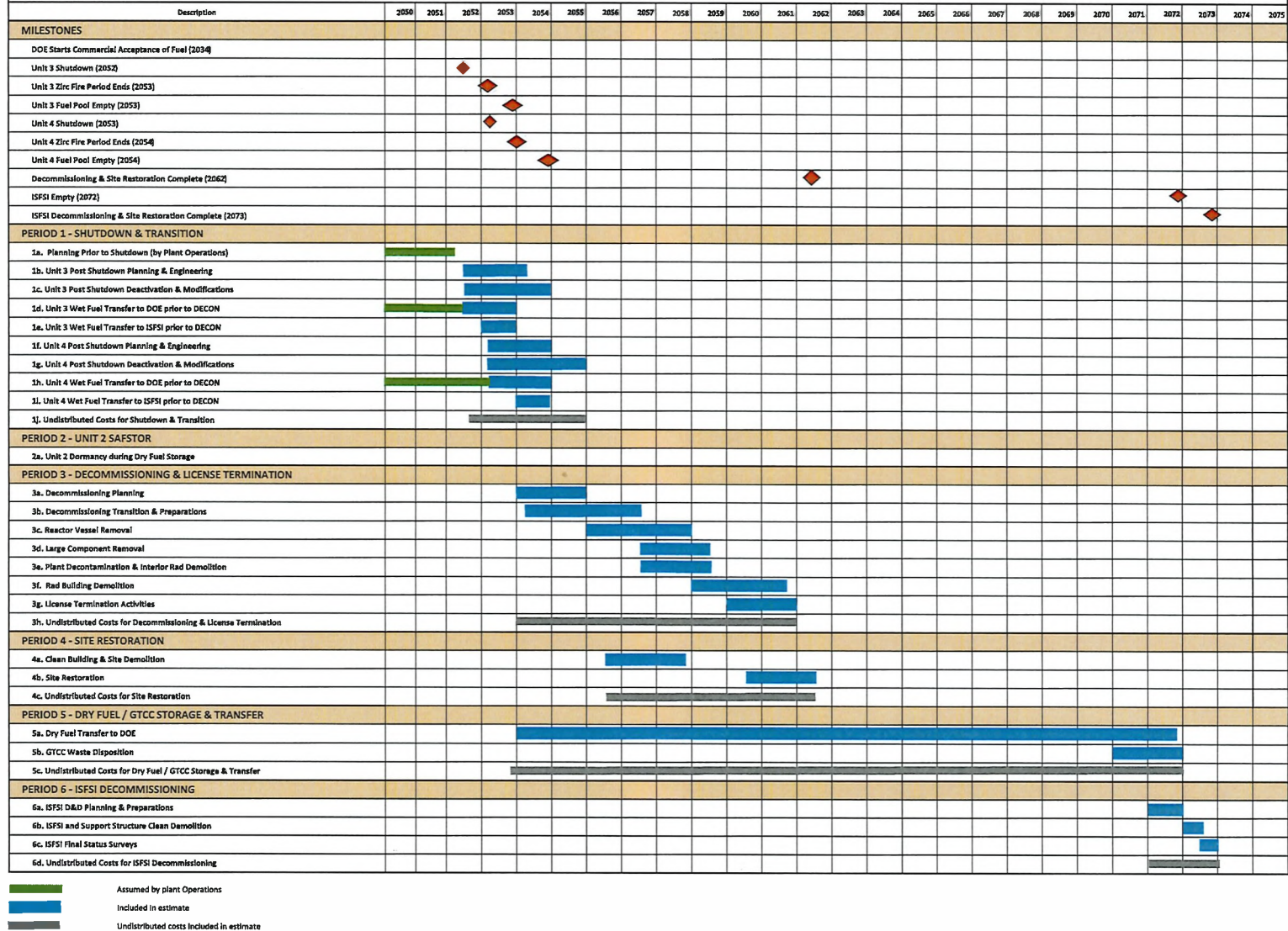
Turkey Point - Primary Plant Structures	
Unit 3	Unit 4
Reactor	Reactor
Turbine & Turbine Pedestal	Auxiliary Building
Fuel Handling Building	Control Building
Sealwell	Intake Structure
Misc Structures	Radwaste Building
	LLW Storage Building
	Maintenance Facility
	Sealwell
	Turbine & Turbine Pedestal
	Fuel Handling Building
	Misc. Structures

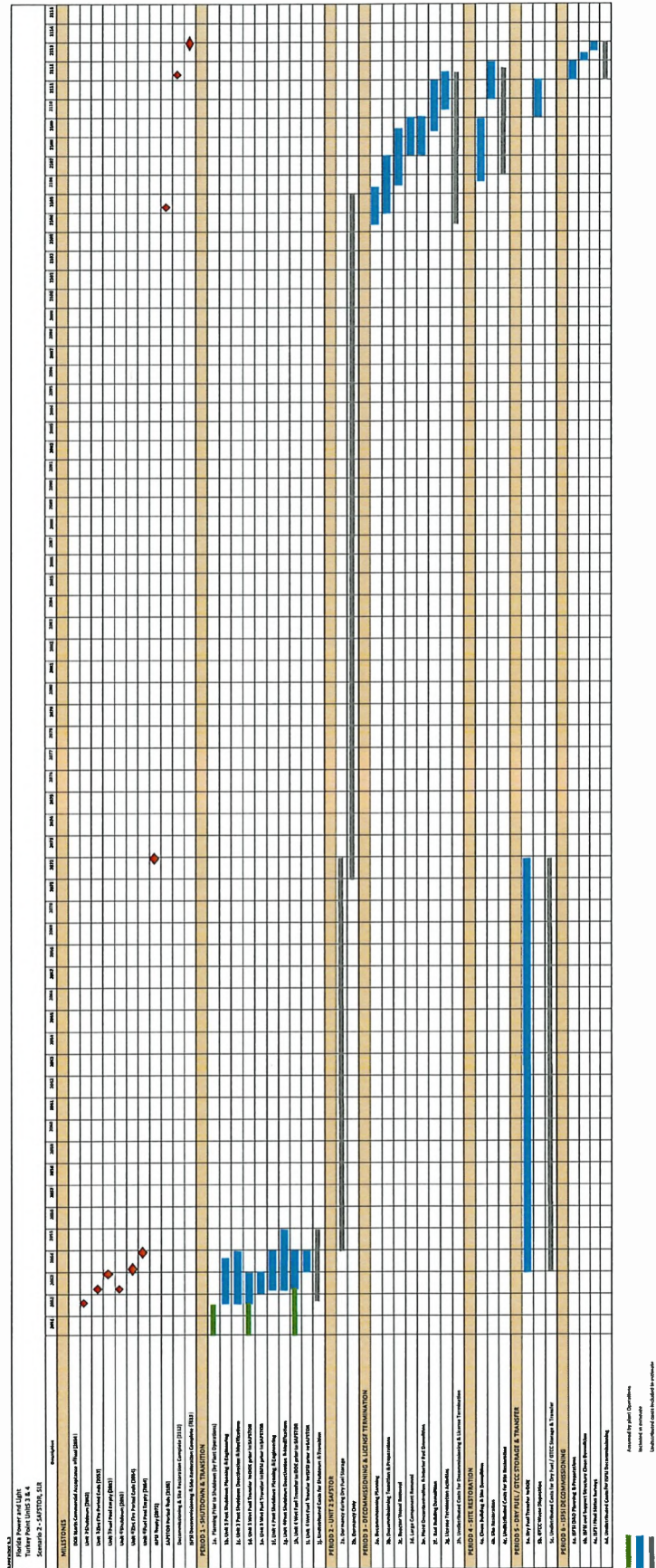
Turkey Point - Primary Plant Systems	
Unit 3	Unit 4
Amertap	Amertap
Auxiliary Feedwater	Auxiliary Feedwater
Auxiliary Steam	Auxiliary Steam
Breathing Air	Breathing Air
Chemical & Volume Control	Chemical & Volume Control
Circulating Water	Circulating Water
Component Cooling Water	Component Cooling Water
Condensate	Condensate
Condensate Polishing	Condensate Polishing
Condensate Recovery	Condensate Recovery
Condensate Storage	Condensate Storage
Condenser	Condenser
Containment Post Accident	Containment Post Accident
Containment Spray	Containment Spray
EDG Engine & Oil	EDG Engine & Oil
Extraction Steam	Extraction Steam
Feedwater	Feedwater
Fire Protection	Fire Protection
Generator	Generator
HVAC	HVAC
Instrument Air	Instrument Air
Intake Cooling Water	Intake Cooling Water
Main Steam	Main Steam
Primary & Secondary Wet Layup	Nitrogen & Hydrogen
Primary Water Makeup	Primary & Secondary Wet Layup
Reactor Coolant	Primary Water Makeup
Refueling Equipment	Reactor Coolant
Residual Heat Removal	Refueling Equipment
Safety Injection	Residual Heat Removal
Sampling	Safety Injection
Screen Wash	Sampling
Service Water	Screen Wash
Spent Fuel Pool Cooling	Service Water
Turbine Lube Oil	Spent Fuel Pool Cooling
Turbine Plant Chemical Addition	Turbine Lube Oil
Turbine Plant Cooling Water	Turbine Plant Chemical Addition
Turbine Steam	Turbine Plant Cooling Water
Waste Disposal	Turbine Steam
	Waste Disposal
	Water Treatment

Appendix B-1

Florida Power and Light
Turkey Point Units 3 & 4

Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR





Appendix C-1
Florida Power and Light
Turkey Point Unit 3
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
1a Total	Planning Prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-
	1b.1	Admin Activities in Preparation for Decommissioning - Unit 3	3,255	106	-	-	504	3,865	3,865	-	-
	1b.2	Prepare PSDAR and License Documents - Unit 3	545	18	-	-	84	647	647	-	-
	1b.3	Engineering Activities in Preparation for Decommissioning - Unit 3	1,305	68	-	34	211	1,618	1,618	-	-
1b Total	Unit 3 Post Shutdown Planning & Engineering		5,105	192	-	34	800	6,130	6,130	-	-
	1c.1	Defuel Reactor Unit 3 (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1c.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1c.3	Spent Fuel Pool System Modifications - Unit 3	12,707	1,566	-	-	2,141	16,415	-	16,415	-
1c Total	Unit 3 Post Shutdown Deactivation & Modifications		12,707	1,566	-	-	2,141	16,415	-	16,415	-
	1d.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-
	1d.2	Procure Spent Fuel Loading & Transfer Equipment	-	2,822	-	-	423	3,246	-	3,246	-
	1d.3	Procedures & Dry Runs	613	-	-	323	140	1,077	-	1,077	-
	1d.4	Remove (222) Fuel Assemblies from Pool & Load DOE Casks	1,075	269	-	-	269	1,613	-	1,613	-
	1d.5	Dry, Close & Inspect (6) DOE supplied Casks	538	134	-	-	134	806	-	806	-
	1d.6	Load Out (6) Casks to DOE Transport	538	134	-	-	134	806	-	806	-
	1d.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1d Total	Unit 3 Wet Fuel Transfer to DOE prior to DECON		2,764	3,360	-	323	1,101	7,548	-	7,548	-
	1e.1	Purchase Transfer Casks	-	18,252	-	-	2,738	20,990	-	20,990	-
	1e.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-
	1e.3	Procedures & Dry Runs	613	-	-	323	140	1,077	-	1,077	-
	1e.4	Remove (592) Fuel Assemblies from Pool & Load DOE Casks	2,867	717	-	-	717	4,301	-	4,301	-
	1e.5	Dry, Close & Inspect (16) DOE supplied Casks	1,434	358	-	-	358	2,151	-	2,151	-
	1e.6	Load Out (16) Casks to DOE Transport	1,434	358	-	-	358	2,151	-	2,151	-
	1e.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1e Total	Unit 3 Wet Fuel Transfer to ISFSI prior to Shutdown		6,348	19,685	-	323	4,312	30,669	-	30,669	-
1f Total	Unit 4 Post Shutdown Planning & Engineering		-	-	-	-	-	-	-	-	-
1g Total	Unit 4 Shutdown Preparations & Deactivation		-	-	-	-	-	-	-	-	-
1h Total	Unit 4 Wet Fuel Transfer to DOE prior to DECON		-	-	-	-	-	-	-	-	-
1i Total	Unit 4 Wet Fuel Transfer to ISFSI prior to DECON		-	-	-	-	-	-	-	-	-
	1j.1	Utility Staff	40,016	-	-	-	6,002	46,019	36,815	9,204	-
	1j.2	Security Guard Force	19,068	-	-	-	2,860	21,929	6,579	15,350	-
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	43	6	49	39	10	-
	1j.5	Insurance	-	-	-	6,786	1,018	7,803	6,243	1,561	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 3
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	1j.6	Corporate Support	1,980	-	-	-	297	2,277	683	1,594	-
	1j.7	Utility Staff HP Supplies	-	642	-	-	96	739	222	517	-
	1j.8	NRC Inspection Fee	-	-	-	1,395	209	1,604	1,604	-	-
	1j.9	Licensing Fees	-	-	-	978	147	1,125	1,125	-	-
	1j.10	Materials and Services	-	1,166	-	-	175	1,341	402	939	-
	1j.11	Energy	-	-	-	1,016	152	1,168	935	234	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.14	County & FEMA Fees	-	-	-	1,471	221	1,692	1,353	338	-
	1j.15	Licenses & Permits	-	-	-	0	0	0	0	0	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Operating Costs	14	43	-	-	9	65	-	65	-
	1j.18	Spent Fuel Maintenance	665	233	-	-	135	1,033	-	1,033	-
1j Total	Undistributed Costs for Shutdown & Transition		61,743	2,085	-	11,688	11,327	86,844	56,000	30,844	-
Period 1 Total	SHUTDOWN & TRANSITION		88,667	26,888	-	12,368	19,681	147,605	62,129	85,476	-
2a Total	Dormancy during Dry Fuel Storage		-	-	-	-	-	-	-	-	-
Period 2 Total	SAFSTOR		-	-	-	-	-	-	-	-	-
	3a.1	Decommissioning Planning and Design - Unit 3	1,868	59	-	-	289	2,217	2,217	-	-
	3a.2	Prepare Integrated Work Sequence and Schedule - Unit 3	202	6	-	-	31	239	239	-	-
	3a.3	Site Characterization - Unit 3	2,396	69	-	136	390	2,992	2,992	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 3	6,252	204	-	-	968	7,424	7,424	-	-
	3a.5	Prepare Detailed Work Procedures - Unit 3	5,495	179	-	-	851	6,525	6,525	-	-
	3a.6	Prepare License Termination Plan - Unit 3	1,207	-	-	862	310	2,380	2,380	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 3	239	-	-	-	36	275	275	-	-
	3a.8	Purchase Dry Storage Modules for Unit 3 GTCC Waste	-	-	5,899	-	885	6,784	6,784	-	-
3a Total	Decommissioning Planning		17,659	517	5,899	998	3,761	28,835	28,835	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	2,188	328	2,517	2,517	-	-
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 3	3,881	236	-	-	1,029	5,145	5,145	-	-
	3b.3	Implement Cold and Dark & Install Temporary Power - Unit 3	5,230	2,026	-	-	1,088	8,344	8,344	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,356	657	-	-	602	4,614	4,614	-	-
	3b.5	Modify Containment Access - Unit 3	2,490	487	-	-	447	3,424	3,424	-	-
	3b.6	Transportation Infrastructure Modifications	104	577	-	2,699	507	3,888	3,888	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	2,247	337	2,584	2,584	-	-
3b Total	Decommissioning Transition and Preparations		15,060	3,983	-	7,135	4,338	30,516	30,516	-	-
	3c.1	Design and Procure Special Equipment	-	37,475	-	-	7,495	44,970	44,970	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,535	-	-	93	525	3,153	3,153	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 3	603	-	-	-	121	724	724	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 3	6,585	2,714	-	-	1,860	11,158	11,158	-	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 3
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3c.5	Segment, Package and Ship RPV - Unit 3	1,561	1,331	-	-	578	3,471	3,471	-	-
	3c.6	Package and Ship Reactor Pressure Vessel - Unit 3	-	-	20,957	-	4,191	25,148	25,148	-	-
3c Total		Reactor Vessel Removal	11,284	41,520	20,957	93	14,771	88,624	88,624	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 3	1,587	210	-	-	359	2,156	2,156	-	-
	3d.3	Remove and Dispose of Pressurizer - Unit 3	218	28	-	-	49	295	295	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 3	585	46	-	-	126	758	758	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 3	602	77	-	-	136	814	814	-	-
	3d.7	Package, Ship, & Dispose	-	-	11,711	-	2,342	14,053	14,053	-	-
3d Total		Large Component Removal	2,991	4,554	11,711	-	3,851	23,107	23,107	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	76	26	-	-	21	123	123	-	-
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	240	26	-	-	53	319	319	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 3	1,227	168	-	-	279	1,673	1,673	-	-
	3e.4	Decon/Surgical Removal Fuel Building	619	27	-	-	129	775	775	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building (with Unit 4)	-	-	-	-	-	-	-	-	-
	3e.6	Package, Dispose, & Ship	-	-	3,724	-	745	4,469	4,469	-	-
3e Total		Plant Decontamination & Interior Rad Demolition	2,162	247	3,724	-	1,227	7,360	7,360	-	-
	3f.1	Demolish Fuel Building	287	695	-	-	196	1,179	1,179	-	-
	3f.2	Demolish Auxiliary Building (with Unit 4)	-	-	-	-	-	-	-	-	-
	3f.3	Demolish Unit 3 Containment Building	2,261	7,909	-	-	2,034	12,204	12,204	-	-
	3f.4	Contaminated Soil	445	771	22,468	-	4,737	28,420	28,420	-	-
	3f.5	Debris Disposal	-	-	52,668	-	10,534	63,201	63,201	-	-
3f Total		Rad Building Demolition	2,994	9,374	75,135	-	17,501	105,004	105,004	-	-
	3g.1	Final Status Survey for Structures	7,234	87	-	293	1,523	9,136	9,136	-	-
	3g.2	Final Status Survey for Land Areas (included with structures)	-	-	-	-	-	-	-	-	-
3g Total		License Termination Activities	7,234	87	-	293	1,523	9,136	9,136	-	-
	3h.1	Utility Staff	34,164	-	-	-	5,125	39,288	39,288	-	-
	3h.2	Security Guard Force	2,394	-	-	-	359	2,753	2,753	-	-
	3h.3	General Contractor Staff	81,719	-	-	-	12,258	93,976	93,976	-	-
	3h.4	Property Taxes	-	-	-	93	14	107	107	-	-
	3h.5	Insurance	-	-	-	5,868	880	6,749	6,749	-	-
	3h.6	Corporate Support	13,535	-	-	-	2,030	15,565	15,565	-	-
	3h.7	Utility Staff HP Supplies	-	6,114	-	-	917	7,031	7,031	-	-
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-
	3h.10	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	3h.11	Licenses & Permits	-	-	-	0	0	0	0	-	-
	3h.12	Materials and Services	-	2,130	-	-	319	2,449	2,449	-	-
	3h.13	Energy	-	-	-	2,975	446	3,421	3,421	-	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 3
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3h.14	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-
	3h.15	Florida LURW Inspection Fee	-	-	-	2,324	349	2,672	2,672	-	-
	3h.16	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.17	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.18	INPO Membership Fees	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		131,811	14,876	-	14,430	24,167	185,284	185,284	-	-
Period 3 Total	DECOMMISSIONING & LICENSE TERMINATION		191,195	75,158	117,426	22,948	71,139	477,866	477,866	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	4,085	1,947	-	-	905	6,937	-	-	6,937
	4a.2	Demo Sealwell	126	324	-	-	68	518	-	-	518
	4a.3	Demo Tank Foundations	13	324	-	-	51	388	-	-	388
	4a.4	Demo Misc Site Structures	230	649	-	-	132	1,011	-	-	1,011
	4a.5	Security Improvements	747	1,622	-	-	355	2,724	-	-	2,724
	4a.6	Clean Concrete Processing	-	-	-	1,687	253	1,940	-	-	1,940
	4a.7	Demo Site Paving	246	427	-	-	101	774	-	-	774
	4a.8	Clean Debris Disposal/Recycle	-	-	127	-	19	146	-	-	146
4a Total	Clean Building & Site Demolition		5,448	5,293	127	1,687	1,883	14,438	-	-	14,438
	4b.1	Procure Site Restoration Equipment	-	950	-	-	143	1,093	-	-	1,093
	4b.2	Finish Grading and Re-Vegetate Site	801	-	-	-	120	921	-	-	921
4b Total	Site Restoration		801	950	-	-	263	2,014	-	-	2,014
	4c.1	Utility Staff	2,571	-	-	-	386	2,957	-	-	2,957
	4c.2	Security Guard Force	180	-	-	-	27	207	-	-	207
	4c.3	General Contractor Staff	6,151	-	-	-	923	7,073	-	-	7,073
	4c.4	Property Taxes	-	-	-	7	1	8	-	-	8
	4c.5	Insurance	-	-	-	442	66	508	-	-	508
	4c.6	Corporate Support	1,019	-	-	-	153	1,172	-	-	1,172
	4c.7	Energy	-	-	-	158	24	182	-	-	182
	4c.8	Materials and Services	-	108	-	-	16	125	-	-	125
	4c.9	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	4c.10	Licenses & Permits	-	-	-	0	0	0	-	-	0
4c Total	Undistributed Costs for Site Restoration		9,921	108	-	607	1,596	12,232	-	-	12,232
Period 4 Total	SITE RESTORATION		16,170	6,352	127	2,295	3,741	28,685	-	-	28,685
	5a.1	Procure Loading & Transfer Equipment (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.3	Remove (47) Fuel Casks from ISFSI & Load DOE Transport	4,211	1,053	-	-	790	6,054	-	6,054	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
5a Total	Dry Fuel Transfer to DOE during and after DECON		4,211	1,053	-	-	790	6,054	-	6,054	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	358	-	-	103	92	554	554	-	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 3

[illegible]

Appendix C-1
Florida Power and Light
Turkey Point Unit 3
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
6d.13		Licenses & Permits	-	-	-	0	0	0	-	0	-
6d Total		Undistributed Costs for ISFSI Decommissioning	2,952	30	-	81	459	3,522	-	3,522	-
Period 6 Total		ISFSI DECOMMISSIONING	6,027	1,492	-	205	1,159	8,883	-	8,883	-
GRAND TOTAL			342,993	111,641	132,272	52,887	106,614	746,407	557,476	160,247	28,685

Appendix C-1
Florida Power and Light
Turkey Point Unit 4
Scenario 1 - Prompt DECON both following Unit 4 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
1a Total		Planning Prior to Shutdown (by Plant Operations)	-	-	-	-	-	-	-	-	-
1b Total		Unit 3 Post Shutdown Planning & Engineering	-	-	-	-	-	-	-	-	-
1c Total		Unit 3 Post Shutdown Deactivation & Modifications	-	-	-	-	-	-	-	-	-
1d Total		Unit 3 Wet Fuel Transfer to DOE prior to SAFSTOR	-	-	-	-	-	-	-	-	-
1e Total		Unit 3 Wet Fuel Transfer to ISFSI prior to SAFSTOR	-	-	-	-	-	-	-	-	-
	1f.1	Admin Activities in Preparation for Decommissioning - Unit 4	1,395	3	-	-	210	1,607	1,607	-	-
	1f.2	Preparation of PSDAR and Licensing Documents - Unit 4	234	8	-	-	36	278	278	-	-
	1f.3	Engineering Activities in Preparation for Decommissioning - Unit 4	558	54	-	-	92	704	704	-	-
1f Total		Unit 4 Post Shutdown Planning & Engineering	2,187	65	-	-	338	2,589	2,589	-	-
	1g.1	Defuel Reactor Unit 4 (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1g.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1g.3	Spent Fuel Pool System Modifications - Unit 4	8,000	1,566	-	-	1,435	11,002	-	11,002	-
1g Total		Unit 4 Shutdown Preparations & Deactivation	8,000	1,566	-	-	1,435	11,002	-	11,002	-
	1h.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-
	1h.2	Procure Spent Fuel Loading & Transfer Equipment	-	1,891	-	-	284	2,175	-	2,175	-
	1h.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-
	1h.4	Remove (222) Fuel Assemblies from Pool & Load DOE Casks	1,075	269	-	-	269	1,613	-	1,613	-
	1h.5	Dry, Close & Inspect (6) DOE supplied Casks	538	134	-	-	134	806	-	806	-
	1h.6	Load Out (6) Casks to DOE Transport	538	134	-	-	134	806	-	806	-
	1h.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1h Total		Unit 4 Wet Fuel Transfer to DOE prior to DECON	2,562	2,429	-	216	915	6,122	-	6,122	-
	1i.1	Provide Transfer Casks (18)	-	20,533	-	-	3,080	23,613	-	23,613	-
	1i.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-
	1i.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-
	1i.4	Remove (640) Fuel Assemblies from Pool & Load Casks	3,226	806	-	-	806	4,839	-	4,839	-
	1i.5	Dry, Close & Inspect (18)	1,613	403	-	-	403	2,419	-	2,419	-
	1i.6	Load Out (18) Casks to Transport	1,613	403	-	-	403	2,419	-	2,419	-
	1i.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1i Total		Unit 4 Wet Fuel Transfer to ISFSI prior to DECON	6,863	22,146	-	216	4,787	34,012	-	34,012	-
	1j.1	Utility Staff	26,116	-	-	-	3,917	30,034	24,027	6,007	-
	1j.2	Security Guard Force	18,772	-	-	-	2,816	21,588	6,476	15,111	-
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	29	4	33	26	7	-
	1j.5	Insurance	-	-	-	6,786	1,018	7,803	6,243	1,561	-
	1j.6	Corporate Support	2,902	-	-	-	435	3,338	1,001	2,336	-
	1j.7	Utility Staff HP Supplies	-	895	-	-	134	1,030	309	721	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 4
Scenario 1 - Prompt DECON both following Unit 4 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	1j.8	NRC Inspection Fee	-	-	-	1,268	190	1,458	1,458	-	-
	1j.9	Licensing Fees	-	-	-	652	98	750	750	-	-
	1j.10	Materials and Services	-	1,672	-	-	251	1,922	577	1,346	-
	1j.11	Energy	-	-	-	1,412	212	1,624	1,299	325	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.14	County & FEMA Fees	-	-	-	1,471	221	1,692	1,353	338	-
	1j.15	Licenses & Permits	-	-	-	0	0	0	0	0	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Operating Costs	18	63	-	-	12	93	-	93	-
	1j.18	Spent Fuel Maintenance	1,068	137	-	-	181	1,386	-	1,386	-
1j Total	Undistributed Costs for Shutdown & Transition		48,877	2,767	-	11,618	9,489	72,750	43,520	29,230	-
Period 1 Total	SHUTDOWN & TRANSITION		68,488	28,973	-	12,051	16,964	126,476	46,109	80,366	-
Period 2 Total	SAFSTOR		-	-	-	-	-	-	-	-	-
	3a.1	Decommissioning Planning and Design - Unit 4	1,868	59	-	-	289	2,217	2,217	-	-
	3a.2	Site Characterization - Unit 4	2,396	69	-	136	390	2,992	2,992	-	-
	3a.3	Prepare Integrated Work Sequence and Schedule - Unit 4	202	6	-	-	31	239	239	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 4	2,676	87	-	-	414	3,178	3,178	-	-
	3a.5	Prepare License Termination Plan - Unit 4	1,207	-	-	862	310	2,380	2,380	-	-
	3a.6	Prepare Detailed Work Procedures for Decommissioning - Unit 4	2,352	77	-	-	364	2,793	2,793	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 4	102	-	-	-	15	117	117	-	-
	3a.8	Purchase Dry Storage Modules for Unit 4 GTCC Waste	-	-	5,899	-	885	6,784	6,784	-	-
3a Total	Decommissioning Planning		10,804	298	5,899	998	2,700	20,699	20,699	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	2,188	328	2,517	2,517	-	-
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 4	3,881	236	-	-	1,029	5,145	5,145	-	-
	3b.3	Implement Cold and Dark & Install Temporary Power - Unit 4	5,230	2,026	-	-	1,088	8,344	8,344	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,356	657	-	-	602	4,614	4,614	-	-
	3b.5	Modify Containment Access - Unit 4	2,490	487	-	-	447	3,424	3,424	-	-
	3b.6	Transportation Infrastructure Modifications	69	385	-	1,800	338	2,592	2,592	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	1,907	286	2,193	2,193	-	-
3b Total	Decommissioning Transition and Preparations		15,025	3,791	-	5,895	4,118	28,829	28,829	-	-
	3c.1	Design and Procure Special Equipment	-	34,955	-	-	6,991	41,947	41,947	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,154	-	-	93	449	2,697	2,697	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 4	513	-	-	-	103	615	615	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 4	6,585	2,714	-	-	1,860	11,158	11,158	-	-
	3c.5	Segment, Package and Ship RPV - Unit 4	1,561	1,331	-	-	578	3,471	3,471	-	-
	3c.6	Package and Ship Reactor Pressure Vessel - Unit 4	-	-	20,957	-	4,191	25,148	25,148	-	-
3c Total	Reactor Vessel Removal		10,813	39,000	20,957	93	14,173	85,035	85,035	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 4	1,587	210	-	-	359	2,156	2,156	-	-

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3d.3	Remove and Dispose of Pressurizer - Unit 4	218	28	-	-	49	295	295	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 4	585	46	-	-	126	758	758	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 4	602	77	-	-	136	814	814	-	-
	3d.6	Package, Ship, & Dispose	-	-	11,711	-	2,342	14,053	14,053	-	-
3d Total	Large Component Removal		2,991	4,554	11,711	-	3,851	23,107	23,107	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	76	26	-	-	21	123	123	-	-
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	240	26	-	-	53	319	319	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 4	1,227	168	-	-	279	1,673	1,673	-	-
	3e.4	Decon/Surgical Removal Fuel Building	619	27	-	-	129	775	775	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building Unit 1	6,869	742	-	-	1,522	9,133	9,133	-	-
	3e.6	Decon/Surgical Radwaste Building	374	109	-	-	97	579	579	-	-
	3e.7	Package, Dispose, & Ship	-	-	4,114	-	823	4,937	4,937	-	-
3e Total	Plant Decontamination & Interior Rad Demolition		9,405	1,098	4,114	-	2,923	17,540	17,540	-	-
	3f.1	Demolish Fuel Building	287	695	-	-	196	1,179	1,179	-	-
	3f.2	Demolish Auxiliary Building	2,261	7,118	-	-	1,876	11,256	11,256	-	-
	3f.4	Demolish Radwaste Building	594	1,908	-	-	500	3,003	3,003	-	-
	3f.5	Demolish Unit 2 Containment Building	2,261	7,909	-	-	2,034	12,204	12,204	-	-
	3f.6	Demolish LLW Storage Building	734	2,003	-	-	548	3,285	3,285	-	-
	3f.7	Contaminated Soil	445	771	22,468	-	4,737	28,420	28,420	-	-
	3f.8	Debris Disposal	-	-	108,185	-	21,637	129,822	129,822	-	-
3f Total	Rad Building Demolition		6,584	20,404	130,653	-	31,528	189,168	189,168	-	-
	3g.1	Final Status Survey for Structures	7,234	87	-	293	1,523	9,136	9,136	-	-
	3g.2	Final Status Survey for Land Areas (included with structures)	-	-	-	-	-	-	-	-	-
3g Total	License Termination Activities		7,234	87	-	293	1,523	9,136	9,136	-	-
	3h.1	Utility Staff	34,164	-	-	-	5,125	39,288	39,288	-	-
	3h.2	Security Guard Force	2,394	-	-	-	359	2,753	2,753	-	-
	3h.3	General Contractor Staff	81,719	-	-	-	12,258	93,976	93,976	-	-
	3h.4	Property Taxes	-	-	-	93	14	107	107	-	-
	3h.5	Insurance	-	-	-	5,868	880	6,749	6,749	-	-
	3h.6	Corporate Support	11,576	-	-	-	1,736	13,312	13,312	-	-
	3h.7	Utility Staff HP Supplies	-	7,657	-	-	1,149	8,806	8,806	-	-
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-
	3h.10	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	3h.11	Licenses & Permits	-	-	-	0	0	0	0	-	-
	3h.12	Materials and Services	-	2,691	-	-	404	3,094	3,094	-	-
	3h.13	Energy	-	-	-	2,927	439	3,366	3,366	-	-
	3h.14	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-
	3h.15	Florida LLRW Inspection Fee	-	-	-	3,806	571	4,377	4,377	-	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 4
Scenario 1 - Prompt DECON both following Unit 4 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
3h Total		Undistributed Costs for Decommissioning & License Termination	129,852	16,979	-	15,864	24,404	187,099	187,099	-	-
Period 3 Total		DECOMMISSIONING & LICENSE TERMINATION	192,707	86,211	173,333	23,142	85,220	560,614	560,614	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	4,085	1,947	-	-	905	6,937	-	-	6,937
	4a.2	Demo Intake & CWS	3,197	2,364	-	-	834	6,396	-	-	6,396
	4a.3	Demo Primary Water Tank Foundation	12	162	-	-	26	201	-	-	201
	4a.4	Demo Misc Site Structures	3,434	1,947	-	-	807	6,187	-	-	6,187
	4a.5	Demo Security Improvements	747	593	-	-	201	1,541	-	-	1,541
	4a.6	Demo Maintenance Facility	1,049	973	-	-	303	2,326	-	-	2,326
	4a.7	Demo Control Building	163	324	-	-	73	560	-	-	560
	4a.8	Demo Sealwell	126	324	-	-	68	518	-	-	518
	4a.9	Clean Concrete Processing	-	-	-	2,655	398	3,053	-	-	3,053
	4a.10	Demo Site Paving	500	866	-	-	205	1,572	-	-	1,572
	4a.11	Clean Debris Disposal/Recycle	-	-	143	-	21	164	-	-	164
4a Total		Clean Building & Site Demolition	13,314	9,501	143	2,655	3,842	29,454	-	-	29,454
	4b.1	Procure Site Restoration Equipment	-	634	-	-	95	729	-	-	729
	4b.2	Finish Grading and Re-Vegetate Site	534	33	-	-	85	652	-	-	652
4b Total		Site Restoration	534	667	-	-	180	1,381	-	-	1,381
	4c.1	Utility Staff	2,571	-	-	-	386	2,957	-	-	2,957
	4c.2	Security Guard Force	180	-	-	-	27	207	-	-	207
	4c.3	General Contractor Staff	6,151	-	-	-	923	7,073	-	-	7,073
	4c.4	Property Taxes	-	-	-	7	1	8	-	-	8
	4c.5	Insurance	-	-	-	442	66	508	-	-	508
	4c.6	Corporate Support	871	-	-	-	131	1,002	-	-	1,002
	4c.7	Energy	-	-	-	220	33	253	-	-	253
	4c.8	Materials and Services	-	151	-	-	23	173	-	-	173
	4c.9	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	4c.10	Licenses & Permits	-	-	-	-	-	-	-	-	-
4c Total		Undistributed Costs for Site Restoration	9,774	151	-	669	1,589	12,182	-	-	12,182
Period 4 Total		SITE RESTORATION	23,621	10,318	143	3,324	5,611	43,017	-	-	43,017
	5a.1	Procure Loading & Transfer Equipment (Included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (Included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.3	Remove (49) Fuel Casks from ISFSI & Load DOE Transport	4,391	1,098	-	-	823	6,312	-	6,312	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
5a Total		Dry Fuel Transfer to DOE during and after DECON	4,391	1,098	-	-	823	6,312	-	6,312	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	358	-	-	103	92	554	554	-	-
	5b.2	GTCC Transportation & Disposal	-	-	14,719	-	2,208	16,927	16,927	-	-
5b Total		GTCC Waste Disposition	358	-	14,719	103	2,300	17,481	17,481	-	-
	5c.1	Utility Staff	6,818	-	-	-	1,023	7,841	-	7,841	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 4
Scenario 1 - Prompt DECON both following Unit 4 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (DDC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	5c.2	Security Guard Force	29,545	-	-	-	4,432	33,977	-	33,977	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	157	24	181	-	181	-
	5c.5	Insurance	-	-	-	6,443	966	7,409	-	7,409	-
	5c.6	Corporate Support	-	-	-	-	-	-	-	-	-
	5c.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	5c.8	NRC Inspection Fee	-	-	-	1,395	209	1,604	-	1,604	-
	5c.9	Licensing Fees	-	-	-	3,586	538	4,124	-	4,124	-
	5c.10	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	5c.11	Licenses & Permits	-	-	-	0	0	0	-	0	-
	5c.12	Energy	-	-	-	-	-	-	-	-	-
	5c.13	Materials and Services	-	660	-	-	99	758	-	758	-
	5c.14	ISFSI Operating Costs	-	-	-	2,577	387	2,964	-	2,964	-
5c Total	Undistributed Costs for Dry Fuel / GTCC Storage & Transfer		36,364	660	-	14,158	7,677	58,859	-	58,859	-
Period 5 Total	DRY FUEL / GTCC STORAGE & TRANSFER		41,113	1,757	14,719	14,262	10,801	82,651	17,481	65,171	-
	6a.1	Preparation and NRC Review of License Termination Plan	55	-	-	83	21	158	-	158	-
6a Total	ISFSI D&D Planning & Preparations		55	-	-	83	21	158	-	158	-
	6b.1	Clean Demolition of ISFSI	1,474	825	-	-	345	2,644	-	2,644	-
	6b.2	Demolition of ISFSI Support Structures	268	121	-	-	58	448	-	448	-
6b Total	ISFSI and Support Structure Clean Demolition		1,743	946	-	-	403	3,093	-	3,093	-
	6c.1	Verification Surveys	100	28	-	-	19	147	-	147	-
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	55	-	-	-	8	63	-	63	-
6c Total	ISFSI Final Status Surveys		155	28	-	-	27	210	-	210	-
	6d.1	Utility Staff	353	-	-	-	53	406	-	406	-
	6d.2	Security Guard Force	187	-	-	-	28	215	-	215	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-
	6d.4	Property Taxes	-	-	-	14	2	16	-	16	-
	6d.5	Insurance	-	-	-	25	4	29	-	29	-
	6d.6	Corporate Support	-	-	-	-	-	-	-	-	-
	6d.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	6d.8	Materials and Services	-	30	-	-	4	34	-	34	-
	6d.9	Energy	-	-	-	42	6	48	-	48	-
	6d.10	NRC Inspection Fee	-	-	-	-	-	-	-	-	-
	6d.11	Licensing Fees	-	-	-	-	-	-	-	-	-
	6d.12	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	6d.13	Licenses & Permits	-	-	-	0	0	0	-	0	-
6d Total	Undistributed Costs for ISFSI Decommissioning		2,952	30	-	81	459	3,522	-	3,522	-
Period 6 Total	ISFSI DECOMMISSIONING		4,905	1,004	-	164	911	6,983	-	6,983	-

Appendix C-1
Florida Power and Light
Turkey Point Unit 4
Scenario 1 - Prompt DECON both following Unit 4 Shutdown
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
GRAND TOTAL			330,834	128,263	188,195	52,942	119,507	819,741	624,204	152,520	43,017

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
1a Total	Planning Prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-
	1b.1	Admin Activities in Preparation for Decommissioning - Unit 3	2,578	106	-	-	403	3,087	3,087	-	-
	1b.2	Prepare PSDAR and License Documents - Unit 3	545	18	-	-	84	647	647	-	-
	1b.3	Engineering Activities in Preparation for Decommissioning - Unit 3	1,305	68	-	34	211	1,618	1,618	-	-
1b Total	Unit 3 Post Shutdown Planning & Engineering		4,428	192	-	34	698	5,352	5,352	-	-
	1c.1	Defuel Reactor Unit 3 (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1c.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1c.3	Spent Fuel Pool System Modifications - Unit 3	12,707	1,566	-	-	2,141	16,415	-	16,415	-
	1c.4	Implement Cold & Dark - Unit 3	3,929	815	-	-	712	5,455	5,455	-	-
	1c.5	Perform Pre-SAFSTOR Baseline Radiation Survey - Unit 3	546	-	-	-	82	628	282	345	-
1c Total	Unit 3 Post Shutdown Deactivation & Modifications		17,182	2,381	-	-	2,934	22,497	5,738	16,760	-
	1d.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-
	1d.2	Procure Spent Fuel Loading & Transfer Equipment	-	2,822	-	-	423	3,246	-	3,246	-
	1d.3	Procedures & Dry Runs	613	-	-	323	140	1,077	-	1,077	-
	1d.4	Remove (448) Fuel Assemblies from Pool & Load DOE Casks	1,075	269	-	-	269	1,613	-	1,613	-
	1d.5	Dry, Close & Inspect (14) DOE supplied Casks	538	134	-	-	134	806	-	806	-
	1d.6	Load Out (14) Casks to DOE Transport	538	134	-	-	134	806	-	806	-
	1d.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1d Total	Unit 3 Wet Fuel Transfer to DOE prior to SAFSTOR		2,764	3,360	-	323	1,101	7,548	-	7,548	-
	1e.1	Purchase Transfer Casks	-	18,252	-	-	2,738	20,990	-	20,990	-
	1e.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-
	1e.3	Procedures & Dry Runs	613	-	-	323	140	1,077	-	1,077	-
	1e.4	Remove (464) Fuel Assemblies from Pool & Load DOE Casks	2,867	717	-	-	717	4,301	-	4,301	-
	1e.5	Dry, Close & Inspect (15) DOE supplied Casks	1,434	358	-	-	358	2,151	-	2,151	-
	1e.6	Load Out (15) Casks to DOE Transport	1,434	358	-	-	358	2,151	-	2,151	-
1e Total	Unit 3 Wet Fuel Transfer to ISFSI prior to SAFSTOR		6,348	19,685	-	323	4,312	30,669	-	30,669	-
1f Total	Unit 4 Post Shutdown Planning & Engineering		-	-	-	-	-	-	-	-	-
1g Total	Unit 4 Shutdown Preparations & Deactivation		-	-	-	-	-	-	-	-	-
1h Total	Unit 4 Wet Fuel Transfer to DOE prior to DECON		-	-	-	-	-	-	-	-	-
1i Total	Unit 4 Wet Fuel Transfer to ISFSI prior to SAFSTOR		-	-	-	-	-	-	-	-	-
	1j.1	Utility Staff	40,016	-	-	-	6,002	46,019	36,815	9,204	-
	1j.2	Security Guard Force	19,068	-	-	-	2,860	21,929	6,579	15,350	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	43	6	49	39	10	-
	1j.5	Insurance	-	-	-	6,786	1,018	7,803	6,243	1,561	-
	1j.6	Corporate Support	2,586	-	-	-	388	2,974	892	2,082	-
	1j.7	Utility Staff HP Supplies	-	1,000	-	-	150	1,150	345	805	-
	1j.8	NRC Inspection Fee	-	-	-	1,395	209	1,604	1,604	-	-
	1j.9	Licensing Fees	-	-	-	978	147	1,125	1,125	-	-
	1j.10	Materials and Services	-	1,876	-	-	281	2,158	647	1,510	-
	1j.11	Energy	-	-	-	899	135	1,034	828	207	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.14	County Fees & FEMA Fees	-	-	-	1,471	221	1,692	1,353	338	-
	1j.15	Licenses & Permits	-	-	-	-	-	-	-	-	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	1j.17	ISFSI Operating Costs	18	56	-	-	11	84	-	84	-
	1j.18	Spent Fuel Maintenance	868	305	-	-	176	1,349	-	1,349	-
1j Total	Undistributed Costs for Shutdown & Transition		62,557	3,237	-	11,572	11,605	88,970	56,470	32,500	-
Period 1 Total	SHUTDOWN & TRANSITION		93,279	28,855	-	12,252	20,651	155,036	67,559	87,477	-
	2a.1	Utility Staff	7,175	-	-	-	718	7,893	3,552	4,341	-
	2a.2	Security Guard Force	3,903	-	-	-	390	4,293	-	4,293	-
	2a.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2a.4	Property Taxes	-	-	-	243	24	267	120	147	-
	2a.5	Insurance	-	-	-	15,325	1,532	16,857	7,586	9,271	-
	2a.6	Corporate Support	21,476	-	-	-	2,148	23,624	10,631	12,993	-
	2a.7	Utility Staff HP Supplies	-	3,625	-	-	363	3,988	1,794	2,193	-
	2a.8	NRC Inspection Fee	-	-	-	2,156	216	2,371	1,067	1,304	-
	2a.9	Licensing Fees	-	-	-	5,542	831	6,373	2,868	3,505	-
	2a.10	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	2a.11	Licenses & Permits	-	-	-	-	-	-	-	-	-
	2a.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2a.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2a.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2a.15	Materials and Services	-	8,287	-	-	829	9,116	4,102	5,014	-
	2a.16	Energy	-	-	-	3,237	324	3,561	1,602	1,958	-
	2a.17	Roof Replacement	-	-	-	-	-	-	-	-	-
2a Total	Dormancy during Dry Fuel Storage		32,554	11,912	-	26,503	7,374	78,343	33,322	45,020	-
	2b.1	Utility Staff	15,248	-	-	-	1,525	16,772	16,772	-	-
	2b.2	Security Guard Force	8,293	-	-	-	829	9,122	9,122	-	-
	2b.3	General Contractor Staff	-	-	-	-	-	-	-	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	2b.4	Property Taxes	-	-	-	486	49	534	534	-	-
	2b.5	Insurance	-	-	-	18,630	1,863	20,494	20,494	-	-
	2b.6	Corporate Support	10,707	-	-	-	1,071	11,778	11,778	-	-
	2b.7	Utility Staff HP Supplies	-	1,475	-	-	147	1,622	1,622	-	-
	2b.8	NRC Inspection Fee	-	-	-	4,311	431	4,742	4,742	-	-
	2b.9	Licensing Fees	-	-	-	11,084	1,108	12,192	12,192	-	-
	2b.10	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	2b.11	Licenses & Permits	-	-	-	1	0	1	1	-	-
	2b.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2b.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2b.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2b.15	Materials and Services	-	4,694	-	-	469	5,163	5,163	-	-
	2b.16	Energy	-	-	-	1,364	136	1,500	1,500	-	-
	2b.17	Roof Replacement	-	-	-	-	-	-	-	-	-
2b Total	Dormancy Only		34,248	6,168	-	35,876	7,629	83,921	83,921	-	-
Period 2 Total	SAFSTOR		66,802	18,081	-	62,379	15,003	162,264	117,244	45,020	-
	3a.1	Decommissioning Planning and Design - Unit 3	1,868	59	-	-	289	2,217	2,217	-	-
	3a.2	Prepare Integrated Work Sequence and Schedule - Unit 3	202	6	-	-	31	239	239	-	-
	3a.3	Site Characterization - Unit 3	2,396	69	-	136	390	2,992	2,992	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 3	6,575	214	-	-	1,018	7,807	7,807	-	-
	3a.5	Prepare Detailed Work Procedures - Unit 3	5,328	174	-	-	825	6,327	6,327	-	-
	3a.6	Prepare License Termination Plan - Unit 3	1,231	-	-	862	314	2,407	2,407	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 3	239	-	-	-	36	275	275	-	-
	3a.8	Purchase Dry Storage Modules for Unit 3 GTCC Waste	-	-	5,899	-	885	6,784	6,784	-	-
3a Total	Decommissioning Planning		17,839	522	5,899	998	3,789	29,048	29,048	-	-
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	2,188	328	2,517	2,517	-	-
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 3	3,881	236	-	-	1,029	5,145	5,145	-	-
	3b.3	Implement Temporary Power Upgrades - Unit 3	1,157	1,211	-	-	355	2,723	2,723	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,356	657	-	-	602	4,614	4,614	-	-
	3b.5	Modify Containment Access - Unit 3	2,490	487	-	-	447	3,424	3,424	-	-
	3b.6	Transportation Infrastructure Modifications	104	577	-	2,699	507	3,888	3,888	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	2,247	337	2,584	2,584	-	-
3b Total	Decommissioning Transition and Preparations		10,987	3,169	-	7,135	3,605	24,895	24,895	-	-
	3c.1	Design and Procure Special Equipment	-	37,475	-	-	7,495	44,970	44,970	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,535	-	-	93	525	3,153	3,153	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 3	603	-	-	-	121	724	724	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 3	6,585	2,714	-	-	1,860	11,158	11,158	-	-
	3c.5	Segment, Package and Ship RPV - Unit 3	1,561	1,331	-	-	578	3,471	3,471	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3c.6	Package, Ship & Dispose	-	-	13,474	-	2,695	16,169	16,169	-	-
3c Total		Reactor Vessel Removal	11,284	41,520	13,474	93	13,274	79,645	79,645	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 3	1,587	210	-	-	359	2,156	2,156	-	-
	3d.3	Remove and Dispose of Pressurizer - Unit 3	218	28	-	-	49	295	295	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 3	585	46	-	-	126	758	758	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 3	602	77	-	-	136	814	814	-	-
	3d.6	Package, Ship, & Dispose	-	-	12,450	-	2,490	14,940	14,940	-	-
3d Total		Large Component Removal	2,991	4,554	12,450	-	3,999	23,994	23,994	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	76	26	-	-	21	123	123	-	-
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	240	26	-	-	53	319	319	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 3	1,227	168	-	-	279	1,673	1,673	-	-
	3e.4	Decon/Surgical Removal Fuel Building	619	27	-	-	129	775	775	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building (with Unit 4)	-	-	-	-	-	-	-	-	-
	3e.6	Package, Ship, and Dispose	-	-	5,558	-	1,112	6,669	6,669	-	-
3e Total		Plant Decontamination & Interior Rad Demolition	2,162	247	5,558	-	1,593	9,560	9,560	-	-
	3f.1	Demolish Fuel Building	287	695	-	-	196	1,179	1,179	-	-
	3f.2	Demolish Auxiliary Building (with Unit 4)	-	-	-	-	-	-	-	-	-
	3f.3	Demolish Unit 3 Containment Building	2,261	7,909	-	-	2,034	12,204	12,204	-	-
	3f.4	Contaminated Soil	445	771	20,230	-	4,289	25,735	25,735	-	-
	3f.5	Debris Disposal	-	-	51,650	-	10,330	61,980	61,980	-	-
3f Total		Rad Building Demolition	2,994	9,374	71,880	-	16,850	101,098	101,098	-	-
	3g.1	Final Status Survey for Structures	7,198	71	-	293	1,512	9,075	9,075	-	-
	3g.2	Final Status Survey for Land Areas (included with structures)	-	-	-	-	-	-	-	-	-
3g Total		License Termination Activities	7,198	71	-	293	1,512	9,075	9,075	-	-
	3h.1	Utility Staff	34,164	-	-	-	5,125	39,288	39,288	-	-
	3h.2	Security Guard Force	2,394	-	-	-	359	2,753	2,753	-	-
	3h.3	General Contractor Staff	81,719	-	-	-	12,258	93,976	93,976	-	-
	3h.4	Property Taxes	-	-	-	93	14	107	107	-	-
	3h.5	Insurance	-	-	-	3,488	523	4,011	4,011	-	-
	3h.6	Corporate Support	15,846	-	-	-	2,377	18,223	18,223	-	-
	3h.7	Utility Staff HP Supplies	-	5,965	-	-	895	6,859	6,859	-	-
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-
	3h.10	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	3h.11	Licenses & Permits	-	-	-	0	0	0	0	-	-
	3h.12	Florida LLRW Inspection Fee	-	-	-	2,251	338	2,589	2,589	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3h.13	Materials and Services	-	1,789	-	-	268	2,058	2,058	-	-
	3h.14	Energy	-	-	-	3,848	577	4,426	4,426	-	-
	3h.15	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-
	3h.16	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.17	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.18	INPO Membership Fees	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		134,122	14,386	-	12,850	24,204	185,561	185,561	-	-
Period 3 Total	DECOMMISSIONING & LICENSE TERMINATION		189,578	73,843	109,261	21,368	68,826	462,876	462,876	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	4,085	1,947	-	-	905	6,937	-	-	6,937
	4a.2	Demo Sealwell	126	324	-	-	68	518	-	-	518
	4a.3	Demo Tank Foundations	13	324	-	-	51	388	-	-	388
	4a.4	Demo Misc Site Structures	230	1,622	-	-	278	2,130	-	-	2,130
	4a.5	Security Improvements	747	649	-	-	209	1,605	-	-	1,605
	4a.6	Clean Concrete Processing	-	-	-	1,687	253	1,940	-	-	1,940
	4a.7	Demo Site Paving	246	427	-	-	101	774	-	-	774
	4a.8	Clean Debris Disposal/Recycle	-	-	126	-	19	144	-	-	144
4a Total	Clean Building & Site Demolition		5,448	5,293	126	1,687	1,883	14,437	-	-	14,437
	4b.1	Procure Site Restoration Equipment	-	950	-	-	143	1,093	-	-	1,093
	4b.2	Finish Grading and Re-Vegetate Site	801	-	-	-	120	921	-	-	921
4b Total	Site Restoration		801	950	-	-	263	2,014	-	-	2,014
	4c.1	Utility Staff	2,571	-	-	-	386	2,957	-	-	2,957
	4c.2	Security Guard Force	180	-	-	-	27	207	-	-	207
	4c.3	General Contractor Staff	6,151	-	-	-	923	7,073	-	-	7,073
	4c.4	Property Taxes	-	-	-	7	1	8	-	-	8
	4c.5	Insurance	-	-	-	263	39	302	-	-	302
	4c.6	Corporate Support	1,193	-	-	-	179	1,372	-	-	1,372
	4c.7	Energy	-	-	-	290	43	333	-	-	333
	4c.8	Materials and Services	-	109	-	-	16	125	-	-	125
	4c.9	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	4c.10	Licenses & Permits	-	-	-	0	0	0	-	-	0
4c Total	Undistributed Costs for Site Restoration		10,095	109	-	559	1,614	12,378	-	-	12,378
Period 4 Total	SITE RESTORATION		16,344	6,352	126	2,247	3,760	28,828	-	-	28,828
	5a.1	Procure Loading & Transfer Equipment (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.3	Remove (43) Fuel Casks from ISFSI & Load DOE Transport	4,211	1,053	-	-	790	6,054	-	6,054	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
5a Total		Dry Fuel Transfer to DOE during and after DECON	4,211	1,053	-	-	790	6,054	-	6,054	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	358	-	-	103	92	554	554	-	-
	5b.2	GTCC Transportation & Disposal	-	-	14,719	-	2,208	16,927	16,927	-	-
5b Total		GTCC Waste Disposition	358	-	14,719	103	2,300	17,481	17,481	-	-
	5c.1	Utility Staff	6,818	-	-	-	1,023	7,841	-	7,841	-
	5c.2	Security Guard Force	29,545	-	-	-	4,432	33,977	-	33,977	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	-	-	-	-	-	-
	5c.5	Insurance	-	-	-	-	-	-	-	-	-
	5c.6	Corporate Support	-	-	-	-	-	-	-	-	-
	5c.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	5c.8	NRC Inspection Fee	-	-	-	-	-	-	-	-	-
	5c.9	Licensing Fees	-	-	-	-	-	-	-	-	-
	5c.10	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	5c.11	Licenses & Permits	-	-	-	-	-	-	-	-	-
	5c.12	Energy	-	-	-	-	-	-	-	-	-
	5c.13	Materials and Services	-	-	-	-	-	-	-	-	-
	5c.14	ISFSI Operating Costs	-	-	-	2,970	445	3,415	-	3,415	-
5c Total		Undistributed Costs for Dry Fuel / GTCC Storage & Transfer	36,364	-	-	2,970	5,900	45,234	-	45,234	-
Period 5 Total		DRY FUEL / GTCC STORAGE & TRANSFER	40,934	1,053	14,719	3,073	8,990	68,768	17,481	51,288	-
	6a.1	Preparation and NRC Review of License Termination Plan	87	-	-	124	32	242	-	242	-
6a Total		ISFSI D&D Planning & Preparations	87	-	-	124	32	242	-	242	-
	6b.1	Clean Demolition of ISFSI	2,322	1,237	-	-	534	4,094	-	4,094	-
	6b.2	Demolition of ISFSI Support Structures	423	182	-	-	91	696	-	696	-
6b Total		ISFSI and Support Structure Clean Demolition	2,745	1,420	-	-	625	4,789	-	4,789	-
	6c.1	Verification Surveys	157	42	-	-	30	229	-	229	-
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	87	-	-	-	13	100	-	100	-
6c Total		ISFSI Final Status Surveys	244	42	-	-	43	329	-	329	-
	6d.1	Utility Staff	353	-	-	-	53	406	-	406	-
	6d.2	Security Guard Force	187	-	-	-	28	215	-	215	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-
	6d.4	Property Taxes	-	-	-	14	2	16	-	16	-
	6d.5	Insurance	-	-	-	25	4	29	-	29	-
	6d.6	Corporate Support	-	-	-	-	-	-	-	-	-
	6d.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	6d.8	Materials and Services	-	30	-	-	4	34	-	34	-
	6d.9	Energy	-	-	-	187	28	215	-	215	-
	6d.10	NRC Inspection Fee	-	-	-	63	10	73	-	73	-
	6d.11	Licensing Fees	-	-	-	163	24	187	-	187	-
	6d.12	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	6d.13	Licenses & Permits	-	-	-	0	0	0	-	0	-
6d Total	Undistributed Costs for ISFSI Decommissioning		2,952	30	-	453	515	3,949	-	3,949	-
Period 6 Total	ISFSI DECOMMISSIONING		6,027	1,492	-	577	1,214	9,310	-	9,310	-
GRAND TOTAL			412,964	129,675	124,105	101,895	118,445	887,083	665,160	193,095	28,828

Appendix C-2
Florida Power and Light
Turkey Point Unit 4
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
1a Total	Planning Prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-
1b Total	Unit 3 Post Shutdown Planning & Engineering		-	-	-	-	-	-	-	-	-
1c Total	Unit 3 Post Shutdown Deactivation & Modifications		-	-	-	-	-	-	-	-	-
1d Total	Unit 3 Wet Fuel Transfer to ISFSI prior to SAFSTOR		-	-	-	-	-	-	-	-	-
1e Total	Unit 4 Wet Fuel Transfer to DOE prior to Shutdown (by Plant Operations)		-	-	-	-	-	-	-	-	-
	1f.1	Admin Activities in Preparation for Decommissioning - Unit 4	1,104	3	-	-	166	1,274	1,274	-	-
	1f.2	Preparation of PSDAR and Licensing Documents - Unit 4	234	5	-	-	36	275	275	-	-
	1f.3	Engineering Activities in Preparation for Decommissioning - Unit 4	558	54	-	-	92	704	704	-	-
1f Total	Unit 4 Post Shutdown Planning & Engineering		1,897	62	-	-	294	2,252	2,252	-	-
	1g.1	Defuel Reactor Unit 4 (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1g.2	Fuel Sampling & Inspections (by Plant Operations)	-	-	-	-	-	-	-	-	-
	1g.3	Spent Fuel Pool System Modifications - Unit 4	8,077	1,566	-	-	1,447	11,090	-	11,090	-
	1g.4	Implement Cold & Dark - Unit 4	3,929	815	-	-	712	5,455	5,455	-	-
	1g.6	Perform Pre-SAFSTOR Baseline Radiation Survey - Unit 4	546	-	-	-	82	628	628	-	-
1g Total	Unit 4 Shutdown Preparations & Deactivation		12,552	2,381	-	-	2,240	17,173	6,083	11,090	-
	1h.1	Provide Transfer Casks (supplied by DOE)	-	-	-	-	-	-	-	-	-
	1h.2	Procure Spent Fuel Loading & Transfer Equipment	-	1,891	-	-	284	2,175	-	2,175	-
	1h.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-
	1h.4	Remove (352) Fuel Assemblies from Pool & Load DOE Casks	1,075	269	-	-	269	1,613	-	1,613	-
	1h.5	Dry, Close & Inspect (11) DOE supplied Casks	538	134	-	-	-	806	-	806	-
	1h.6	Load Out (11) Casks to DOE Transport	538	134	-	-	-	806	-	806	-
	1h.7	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
1h Total	Unit 4 Wet Fuel Transfer to DOE prior to DECON		2,562	2,429	-	216	915	6,122	-	6,122	-
	1i.1	Provide Transfer Casks (19)	-	20,533	-	-	3,080	23,613	-	23,613	-
	1i.2	Procure Spent Fuel Loading & Transfer Equipment	-	-	-	-	-	-	-	-	-
	1i.3	Procedures & Dry Runs	411	-	-	216	94	722	-	722	-
	1i.4	Remove (592) Fuel Assemblies from Pool & Load Casks	3,226	806	-	-	806	4,839	-	4,839	-
	1i.5	Dry, Close & Inspect (19)	1,613	403	-	-	403	2,419	-	2,419	-
	1i.6	Load Out (19) Casks to Transport	1,613	403	-	-	403	2,419	-	2,419	-
1i Total	Unit 4 Wet Fuel Transfer to ISFSI prior to SAFSTOR		6,863	22,146	-	216	4,787	34,012	-	34,012	-
	1j.1	Utility Staff	26,116	-	-	-	3,917	30,034	24,027	6,007	-
	1j.2	Security Guard Force	18,772	-	-	-	2,816	21,588	6,476	15,111	-
	1j.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	1j.4	Property Taxes	-	-	-	29	4	33	26	7	-
	1j.5	Insurance	-	-	-	6,786	1,018	7,803	6,243	1,561	-
	1j.6	Corporate Support	1,863	-	-	-	279	2,143	643	1,500	-
	1j.7	Utility Staff HP Supplies	-	419	-	-	63	482	145	337	-
	1j.8	NRC Inspection Fee	-	-	-	1,268	190	1,458	1,458	-	-
	1j.9	Licensing Fees	-	-	-	652	98	750	750	-	-
	1j.10	Materials and Services	-	1,201	-	-	180	1,381	414	967	-
	1j.11	Energy	-	-	-	587	88	675	540	135	-
	1j.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.13	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	1j.14	County & FEMA Fees	-	-	-	1,471	221	1,692	1,353	338	-
	1j.15	Licenses & Permits	-	-	-	0	0	0	0	0	-
	1j.16	INPO Membership Fees	-	-	-	-	-	-	-	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 4
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	1j.17	ISFSI Operating Costs	11	36	-	-	7	55	-	55	-
	1j.18	Spent Fuel Maintenance	587	206	-	-	119	912	-	912	-
	1j Total	Undistributed Costs for Shutdown & Transition	47,350	1,863	-	10,792	9,001	69,006	42,076	26,930	-
Period 1 Total		SHUTDOWN & TRANSITION	71,223	28,880	-	11,225	17,237	128,565	50,411	78,154	-
	2a.1	Utility Staff	7,175	-	-	-	718	7,893	3,552	4,341	-
	2a.2	Security Guard Force	3,903	-	-	-	390	4,293	-	4,293	-
	2a.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2a.4	Property Taxes	-	-	-	257	26	283	127	156	-
	2a.5	Insurance	-	-	-	15,325	2,299	17,623	7,931	9,693	-
	2a.6	Corporate Support	21,129	-	-	-	2,113	23,242	10,459	12,783	-
	2a.7	Utility Staff HP Supplies	-	3,601	-	-	360	3,961	1,783	2,179	-
	2a.8	NRC Inspection Fee	-	-	-	2,282	228	2,511	1,130	1,381	-
	2a.9	Licensing Fees	-	-	-	5,868	880	6,748	3,037	3,712	-
	2a.10	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	2a.11	Licenses & Permits	-	-	-	0	0	0	0	0	-
	2a.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2a.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2a.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2a.15	Materials and Services	-	8,144	-	-	814	8,959	4,031	4,927	-
	2a.16	Energy	-	-	-	3,177	318	3,495	1,573	1,922	-
	2a.17	Roof Replacement	115	198	-	-	31	344	155	189	-
2a Total		Dormancy During Dry Fuel Storage	32,321	11,944	-	26,909	8,177	79,352	33,776	45,575	-
	2a.1	Utility Staff	15,248	-	-	-	1,525	16,772	16,772	-	-
	2a.2	Security Guard Force	8,293	-	-	-	829	9,122	9,122	-	-
	2a.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	2a.4	Property Taxes	-	-	-	471	47	519	519	-	-
	2a.5	Insurance	-	-	-	18,630	2,795	21,425	21,425	-	-
	2a.6	Corporate Support	11,195	-	-	-	1,120	12,315	12,315	-	-
	2a.7	Utility Staff HP Supplies	-	1,606	-	-	161	1,767	1,767	-	-
	2a.8	NRC Inspection Fee	-	-	-	4,184	628	4,812	4,812	-	-
	2a.9	Licensing Fees	-	-	-	10,758	1,614	12,372	12,372	-	-
	2a.10	County Fees & FEMA Fees	-	-	-	-	-	-	-	-	-
	2a.11	Licenses & Permits	-	-	-	1	0	1	1	-	-
	2a.12	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	2a.13	NEI Fees	-	-	-	-	-	-	-	-	-
	2a.14	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	2a.15	Materials and Services	-	4,896	-	-	490	5,385	5,385	-	-
	2a.16	Energy	-	-	-	1,449	145	1,594	1,594	-	-
	2a.17	Roof Replacement	983	1,701	-	-	268	2,953	2,953	-	-
2b Total		Dormancy Only	35,719	8,203	-	35,494	9,620	89,036	89,036	-	-
Period 2 Total		SAFSTOR	68,040	20,147	-	62,403	17,797	168,387	122,812	45,575	-
	3a.1	Decommissioning Planning and Design - Unit 4	1,868	59	-	-	289	2,217	2,217	-	-
	3a.2	Site Characterization - Unit 4	2,396	69	-	136	390	2,992	2,992	-	-
	3a.3	Prepare Integrated Work Sequence and Schedule - Unit 4	202	6	-	-	31	239	239	-	-
	3a.4	Prepare Decommissioning Activity Specifications - Unit 4	2,814	92	-	-	436	3,341	3,341	-	-
	3a.5	Prepare License Termination Plan - Unit 4	1,207	-	-	862	310	2,380	2,380	-	-
	3a.6	Prepare Detailed Work Procedures for Decommissioning - Unit 4	2,280	74	-	-	353	2,708	2,708	-	-
	3a.7	Design Containment and Misc System Modifications - Unit 4	102	-	-	-	15	117	117	-	-
	3a.8	Purchase Dry Storage Modules for Unit 4 GTCC Waste	-	-	5,899	-	885	6,784	6,784	-	-
3a Total		Decommissioning Planning	10,870	300	5,899	998	2,710	20,778	20,778	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 4
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3b.1	Mobilize Decommissioning General Contractor	-	-	-	2,188	328	2,517	2,517	-	-
	3b.2	Perform Asbestos Abatement of Pipe Insulation - Unit 4	3,881	236	-	-	1,029	5,145	5,145	-	-
	3b.3	Implement Temporary Power Upgrades - Unit 4	1,157	1,211	-	-	355	2,723	2,723	-	-
	3b.4	Construct Misc Building Modifications, In-Plant Laydown Areas	3,356	657	-	-	602	4,614	4,614	-	-
	3b.5	Modify Containment Access - Unit 4	2,490	487	-	-	447	3,424	3,424	-	-
	3b.6	Transportation Infrastructure Modifications	69	385	-	1,800	338	2,592	2,592	-	-
	3b.7	Procure Waste Handling & Processing Tents	-	-	-	1,907	286	2,193	2,193	-	-
	3b Total	Decommissioning Transition and Preparations	10,952	2,976	-	5,895	3,385	23,209	23,209	-	-
	3c.1	Design and Procure Special Equipment	-	34,955	-	-	6,991	41,947	41,947	-	-
	3c.2	Test Special Cutting and Handling Equipment and Train Operators	2,154	-	-	95	450	2,699	2,699	-	-
	3c.3	Finalize Internals and Vessel Segmentation Details - Unit 4	513	-	-	-	103	615	615	-	-
	3c.4	Segment, Package and Ship Reactor Internals - Unit 4	6,585	2,714	-	-	1,860	11,158	11,158	-	-
	3c.5	Segment, Package and Ship RPV - Unit 4	1,561	1,331	-	-	578	3,471	3,471	-	-
	3c.6	Package, Ship & Dispose	-	-	13,474	-	2,695	16,169	16,169	-	-
	3c Total	Reactor Vessel Removal	10,813	39,000	13,474	95	12,676	76,059	76,059	-	-
	3d.1	Heavy Lift / Transfer Equipment	-	4,193	-	-	839	5,031	5,031	-	-
	3d.2	Remove and Dispose of Steam Generators - Unit 4	1,587	210	-	-	359	2,156	2,156	-	-
	3d.3	Remove and Dispose of Pressurizer - Unit 4	218	28	-	-	49	295	295	-	-
	3d.4	Remove and Dispose of Reactor Coolant Pipe - Unit 4	585	46	-	-	126	758	758	-	-
	3d.5	Remove and Dispose of Reactor Coolant Pumps - Unit 4	602	77	-	-	136	814	814	-	-
	3d.6	Package, Ship, & Dispose	-	-	11,789	-	2,358	14,147	14,147	-	-
	3d Total	Large Component Removal	2,991	4,554	11,789	-	3,867	23,201	23,201	-	-
	3e.1	Remove and Dispose of Spent Fuel Storage Racks	76	25	-	-	20	122	122	-	-
	3e.2	Segment, Package and Dispose of Spent Fuel Pool Island Equipment	240	26	-	-	53	319	319	-	-
	3e.3	Decon/Surgical Removal Containment Building - Unit 4	1,227	168	-	-	279	1,673	1,673	-	-
	3e.4	Decon/Surgical Removal Fuel Building	619	27	-	-	129	775	775	-	-
	3e.5	Decon/Surgical Removal Auxiliary Building Unit 1	6,869	742	-	-	1,522	9,133	9,133	-	-
	3e.6	Decon/Surgical Radwaste Building	374	109	-	-	97	579	579	-	-
	3e.7	Package, Dispose, & Ship	-	-	5,785	-	1,157	6,942	6,942	-	-
	3e Total	Plant Decontamination & Interior Rad Demolition	9,405	1,097	5,785	-	3,257	19,544	19,544	-	-
	3f.1	Demolish Fuel Building	287	695	-	-	196	1,179	1,179	-	-
	3f.2	Demolish Auxiliary Building	2,261	7,118	-	-	1,876	11,256	11,256	-	-
	3f.3	Demolish Radwaste Building	594	1,908	-	-	500	3,003	3,003	-	-
	3f.4	Demolish Unit 2 Containment Building	2,261	7,909	-	-	2,034	12,204	12,204	-	-
	3f.5	Demolish LLW Storage Building	734	2,003	-	-	548	3,285	3,285	-	-
	3f.6	Contaminated Soil	445	771	22,273	-	4,698	28,186	28,186	-	-
	3f.7	Debris Disposal	-	-	106,233	-	21,247	127,479	127,479	-	-
	3f Total	Rad Building Demolition	6,584	20,404	128,506	-	31,099	186,592	186,592	-	-
	3g.1	Final Status Survey for Structures	7,234	87	-	293	1,523	9,136	9,136	-	-
	3g.2	Final Status Survey for Land Areas (included with structures)	-	-	-	-	-	-	-	-	-
	3g Total	License Termination Activities	7,234	87	-	293	1,523	9,136	9,136	-	-
	3h.1	Utility Staff	34,164	-	-	-	5,125	39,288	39,288	-	-
	3h.2	Security Guard Force	2,394	-	-	-	359	2,753	2,753	-	-
	3h.3	General Contractor Staff	81,719	-	-	-	12,258	93,976	93,976	-	-
	3h.4	Property Taxes	-	-	-	93	14	107	107	-	-
	3h.5	Insurance	-	-	-	3,488	523	4,011	4,011	-	-
	3h.6	Corporate Support	13,578	-	-	-	2,037	15,614	15,614	-	-
	3h.7	Utility Staff HP Supplies	-	7,331	-	-	1,100	8,430	8,430	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 4
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
	3h.8	NRC Inspection Fee	-	-	-	888	133	1,021	1,021	-	-
	3h.9	Licensing Fees	-	-	-	2,282	342	2,624	2,624	-	-
	3h.10	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	3h.11	Licenses & Permits	-	-	-	0	0	0	0	-	-
	3h.12	Florida LLRW Inspection Fee	-	-	-	3,773	566	4,338	4,338	-	-
	3h.13	Materials and Services	-	2,147	-	-	322	2,469	2,469	-	-
	3h.14	Energy	-	-	-	3,849	577	4,426	4,426	-	-
	3h.15	DGC HP Supplies	-	6,632	-	-	995	7,626	7,626	-	-
	3h.16	EPRI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.17	NEI Membership Fees	-	-	-	-	-	-	-	-	-
	3h.18	INPO Membership Fees	-	-	-	-	-	-	-	-	-
	3h.19	Emergency Preparedness Fees	-	-	-	-	-	-	-	-	-
3h Total	Undistributed Costs for Decommissioning & License Termination		131,853	16,109	-	14,372	24,350	186,685	186,685	-	-
Period 3 Total	DECOMMISSIONING & LICENSE TERMINATION		190,702	84,527	165,454	21,653	82,868	545,203	545,203	-	-
	4a.1	Demo Turbine Pedestal and Turbine Deck	4,085	1,947	-	-	905	6,937	-	-	6,937
	4a.2	Demo Intake & CWS	3,197	2,364	-	-	834	6,396	-	-	6,396
	4a.3	Demo Primary Water Tank Foundation	12	162	-	-	26	201	-	-	201
	4a.4	Demo Misc Site Structures	3,434	1,947	-	-	807	6,187	-	-	6,187
	4a.5	Demo Security Improvements	747	593	-	-	201	1,541	-	-	1,541
	4a.6	Demo Maintenance Facility	1,049	973	-	-	303	2,326	-	-	2,326
	4a.7	Demo Control Building	163	324	-	-	73	560	-	-	560
	4a.9	Demo Seawall	126	324	-	-	68	518	-	-	518
	4a.10	Clean Concrete Processing	-	-	-	2,655	398	3,053	-	-	3,053
	4a.11	Demo Site Paving	500	866	-	-	205	1,572	-	-	1,572
	4a.12	Clean Debris Disposal/Recycle	-	-	160	-	24	184	-	-	184
4a Total	Clean Building & Site Demolition		13,314	9,501	160	2,655	3,844	29,473	-	-	29,473
	4b.1	Procure Site Restoration Equipment	-	634	-	-	95	729	-	-	729
	4b.2	Finish Grading and Re-Vegetate Site	534	33	-	-	85	652	-	-	652
4b Total	Site Restoration		534	667	-	-	180	1,381	-	-	1,381
	4c.1	Utility Staff	2,571	-	-	-	386	2,957	-	-	2,957
	4c.2	Security Guard Force	180	-	-	-	27	207	-	-	207
	4c.3	General Contractor Staff	6,151	-	-	-	923	7,073	-	-	7,073
	4c.4	Property Taxes	-	-	-	7	1	8	-	-	8
	4c.5	Insurance	-	-	-	263	39	302	-	-	302
	4c.6	Corporate Support	1,022	-	-	-	153	1,175	-	-	1,175
	4c.7	Energy	-	-	-	290	43	333	-	-	333
	4c.8	Materials and Services	-	136	-	-	20	156	-	-	156
	4c.9	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	4c.10	Licenses & Permits	-	-	-	0	0	0	-	-	0
4c Total	Undistributed Costs for Site Restoration		9,924	136	-	559	1,593	12,212	-	-	12,212
Period 4 Total	SITE RESTORATION		23,772	10,303	160	3,214	5,617	43,066	-	-	43,066
	5a.1	Procure Loading & Transfer Equipment (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.2	Procedures & Dry Runs (included in Period 1)	-	-	-	-	-	-	-	-	-
	5a.3	Remove (47) Fuel Casks from ISFSI & Load DOE Transport	4,391	1,098	-	-	823	6,312	-	6,312	-
	5a.4	Spent Fuel Transportation & Disposal (by DOE)	-	-	-	-	-	-	-	-	-
5a Total	Dry Fuel Transfer to DOE during and after DECON		4,391	1,098	-	-	823	6,312	-	6,312	-
	5b.1	Remove GTCC Casks from ISFSI & Loadout	358	-	-	103	92	554	554	-	-
	5b.2	GTCC Transportation & Disposal	-	-	14,719	-	2,208	16,927	16,927	-	-

Appendix C-2
Florida Power and Light
Turkey Point Unit 4
Scenario 2 - SAFSTOR, SLR
(thousands of 2025 dollars)

Period	Item Number	Item Description	Labor Cost	Materials & Equipment	Waste Transportation & Disposal	Other Direct Cost (ODC)	Contingency	Total Cost (Estimated)	License Termination	Spent Fuel Management	Site Restoration
5b Total	GTCC Waste Disposition		358	-	14,719	103	2,300	17,481	17,481	-	-
	5c.1	Utility Staff	6,818	-	-	-	1,023	7,841	-	7,841	-
	5c.2	Security Guard Force	29,545	-	-	-	4,432	33,977	-	33,977	-
	5c.3	General Contractor Staff	-	-	-	-	-	-	-	-	-
	5c.4	Property Taxes	-	-	-	-	-	-	-	-	-
	5c.5	Insurance	-	-	-	-	-	-	-	-	-
	5c.6	Corporate Support	-	-	-	-	-	-	-	-	-
	5c.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	5c.8	NRC Inspection Fee	-	-	-	-	-	-	-	-	-
	5c.9	Licensing Fees	-	-	-	-	-	-	-	-	-
	5c.10	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	5c.11	Licenses & Permits	-	-	-	-	-	-	-	-	-
	5c.12	Energy	-	-	-	-	-	-	-	-	-
	5c.13	Materials and Services	-	-	-	-	-	-	-	-	-
	5c.14	ISFSI Operating Costs	-	-	-	2,753	413	3,166	-	3,166	-
5c Total	Undistributed Costs for Dry Fuel / GTCC Storage & Transfer		36,364	-	-	2,753	5,868	44,985	-	44,985	-
Period 5 Total	DRY FUEL / GTCC STORAGE & TRANSFER		41,113	1,098	14,719	2,857	8,991	68,777	17,481	51,296	-
	6a.1	Preparation and NRC Review of License Termination Plan	55	-	-	83	21	158	-	158	-
6a Total	ISFSI D&D Planning & Preparations		55	-	-	83	21	158	-	158	-
	6b.1	Clean Demolition of ISFSI	1,474	825	-	-	345	2,644	-	2,644	-
	6b.2	Demolition of ISFSI Support Structures	268	121	-	-	58	448	-	448	-
6b Total	ISFSI and Support Structure Clean Demolition		1,743	946	-	-	403	3,093	-	3,093	-
	6c.1	Verification Surveys	100	28	-	-	19	147	-	147	-
	6c.2	Preparation of Final Report on Decommissioning and NRC Review	55	-	-	-	8	63	-	63	-
6c Total	ISFSI Final Status Surveys		155	28	-	-	27	210	-	210	-
	6d.1	Utility Staff	353	-	-	-	53	406	-	406	-
	6d.2	Security Guard Force	187	-	-	-	28	215	-	215	-
	6d.3	General Contractor Staff	2,412	-	-	-	362	2,773	-	2,773	-
	6d.4	Property Taxes	-	-	-	14	2	16	-	16	-
	6d.5	Insurance	-	-	-	25	4	29	-	29	-
	6d.6	Corporate Support	-	-	-	-	-	-	-	-	-
	6d.7	Utility Staff HP Supplies	-	-	-	-	-	-	-	-	-
	6d.8	Materials and Services	-	30	-	-	4	34	-	34	-
	6d.9	Energy	-	-	-	187	28	215	-	215	-
	6d.10	NRC Inspection Fee	-	-	-	63	10	73	-	73	-
	6d.11	Licensing Fees	-	-	-	163	24	187	-	187	-
	6d.12	County & FEMA Fees	-	-	-	-	-	-	-	-	-
	6d.13	Licenses & Permits	-	-	-	0	0	0	-	0	-
6d Total	Undistributed Costs for ISFSI Decommissioning		2,952	30	-	453	515	3,949	-	3,949	-
Period 6 Total	ISFSI DECOMMISSIONING		4,905	1,004	-	535	967	7,411	-	7,411	-
GRAND TOTAL			399,755	145,960	180,332	101,887	133,477	961,410	735,907	182,437	43,066

Appendix D-1
Florida Power and Light - Turkey Point Units 3 & 4
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR

2025 Estimated Staff FTEs		2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
		UNIT 3 SHUTDOWN				UNIT 4 SHUTDOWN				DECOMMISSIONING & SITE RESTORATION COMPLETE																ISFSI EMPTY	
		U3 ZIRC FIRE ENDS				U4 ZIRC FIRE ENDS																					
		U3 POOL EMPTY				FUEL POOL EMPTY																					
Period 1 - Shutdown & Transition		2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
Administration		-	6	12	12	4																					
Engineering		-	20	40	30	8																					
Health Physics/Rad Protection		-	20	30	25	20																					
Management		-	3	5	5	3																					
Maintenance & Operations		-	40	70	50	20																					
Quality Assurance		-	2	3	3	1																					
Utility Staff		-	91	160	125	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Contractor Staff		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Period 3 & 4 - License Term & Site Restoration		2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
Administration					4	4	10	12	12	12	12	7	2														
Engineering					4	6	16	20	20	20	20	7	2														
Health Physics/Rad Protection					4	8	24	24	24	24	24	16	4														
Management					1	1	4	5	5	4	4	4	2														
Maintenance & Operations							10	24	24	20	20	8	2														
Quality Assurance					1	1	2	3	3	2	2	2	1														
Utility Staff		-	-	-	10	16	50	88	82	82	44	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Project Management					2	4	6	10	10	10	10	8	4														
Engineering					4	6	6	12	12	10	10	7	2														
Health Physics/Rad Protection					4	8	16	16	16	16	16	12	6														
Administration					2	3	6	12	12	12	12	8	4														
Maintenance & Operations																											
Quality Assurance					1	1	2	4	4	4	4	3	2														
Waste Management					1	1	2	12	12	12	12	12	4														
General Contractor Staff		-	-	-	9	19	30	66	66	64	64	50	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Period 5 - Dry Fuel / GTCC Storage & Transfer		2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
Administration						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Engineering						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Health Physics/Rad Protection						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Management																											
Maintenance & Operations						2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Quality Assurance						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Utility Staff		-	-	-	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5			-	-
General Contractor Staff		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Period 6 - ISFSI Decommissioning		2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076
Administration																									1		
Engineering																								1			
Health Physics/Rad Protection																								1			
Management																									1		
Maintenance & Operations																										1	
Quality Assurance																										1	
Utility Staff		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-
Project Management																								1	1		
Engineering																								1	1		
Health Physics/Rad Protection																									1		
Administration																									1		
Maintenance & Operations																											
Quality Assurance																										1	
Waste Management																										1	
General Contractor Staff		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	6	-	-	-

[illegible]

Appendix E-1 - Waste Disposal Summary
Turkey Point Unit 3
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)
Low Level Radioactive Waste	81,547,548	923,224	\$ 111,526,797
GTCC	407,628	2,061	\$ 20,618,150
Other	67,592,759	836,940	\$ 127,142
Grand Total	149,547,935	1,762,225	\$ 132,272,088

Appendix E-1 - Waste Disposal Summary
Turkey Point Unit 4
Scenario 1 - Prompt DECON following Unit 4 Shutdown, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)
Low Level Radioactive Waste	129,696,824	1,511,592	\$ 167,434,076
GTCC	407,628	2,061	\$ 20,618,150
Other	143,834,824	1,755,241	\$ 142,907
Grand Total	273,939,276	3,268,895	\$ 188,195,132

Appendix E-2 - Waste Disposal Summary
Turkey Point Unit 3
Scenario 2 - SAFSTOR, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)	
Low Level Radioactive Waste	78,946,230	893,668	\$	103,361,783
GTCC	407,628	2,061	\$	20,618,150
Other	67,599,477	844,967	\$	125,514
Grand Total	146,953,335	1,740,695	\$	124,105,447

Appendix E-2 - Waste Disposal Summary
Turkey Point Unit 4
Scenario 2 - SAFSTOR, SLR
2025 Dollars

Waste Class	Waste Weight (LBs)	Waste Disposal Volume (CF)	Total Cost (\$)	
Low Level Radioactive Waste	129,499,980	1,499,113	\$	159,554,246
GTCC	407,628	2,061	\$	20,618,150
Other	144,254,510	1,781,909	\$	159,678
Grand Total	274,162,118	3,283,083	\$	180,332,074

Appendix F-1
Florida Power and Light - Turkey Point Unit 3
Scenario 1 - PROMPT Decon
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2052	14,142	15,251	-	29,393
2053	27,967	56,736	-	84,703
2054	38,991	17,149	-	56,140
2055	40,154	3,660	-	43,815
2056	93,318	3,660	484	97,462
2057	86,902	3,660	10,920	101,482
2058	79,244	3,660	6,611	89,515
2059	107,804	3,660	4,709	116,174
2060	36,758	3,660	3,151	43,569
2061	14,715	3,660	2,540	20,915
2062	-	3,660	270	3,930
2063	-	3,660		3,660
2064	-	3,660	-	3,660
2065	-	3,660	-	3,660
2066	-	3,660	-	3,660
2067	-	3,660	-	3,660
2068	-	3,660	-	3,660
2069	-	3,660	-	3,660
2070	-	3,660	-	3,660
2071	17,481	3,660	-	21,141
2072	-	2,003	-	2,003
2073		6,879	-	6,879
2074				-
2075	-	-		-
Total	557,476	160,247	28,685	746,407

Note: Contingency is included in the categories above.

Appendix F-1
Florida Power and Light - Turkey Point Unit 4
Scenario 1 - PROMPT Decon
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2052	-	-	-	-
2053	15,525	17,887	-	33,412
2054	32,049	51,739	-	83,788
2055	49,179	14,556	-	63,734
2056	91,146	3,815	900	95,861
2057	89,474	3,815	21,576	114,865
2058	84,431	3,815	10,541	98,786
2059	169,326	3,815	4,689	177,830
2060	52,870	3,815	3,106	59,792
2061	22,723	3,815	1,988	28,526
2062	-	3,815	217	4,032
2063	-	3,815		3,815
2064	-	3,815	-	3,815
2065	-	3,815	-	3,815
2066	-	3,815	-	3,815
2067	-	3,815	-	3,815
2068	-	3,815	-	3,815
2069	-	3,815	-	3,815
2070	-	3,815	-	3,815
2071	-	3,815	-	3,815
2072	17,481	2,237	-	19,718
2073	-	5,064	-	5,064
2074				-
2075				-
Total	624,204	152,520	43,017	819,741

Note: Contingency is included in the categories above.

Appendix F-1
Florida Power and Light - Turkey Point Units 3 & 4
Scenario 1 - PROMPT Decon
Estimated Annual Spending
LT, SFM, SR
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2052	14,142	15,251	-	29,393
2053	43,492	74,623	-	118,115
2054	71,040	68,888	-	139,929
2055	89,333	18,216	-	107,549
2056	184,463	7,475	1,385	193,323
2057	176,376	7,475	32,496	216,347
2058	163,674	7,475	17,152	188,302
2059	277,130	7,475	9,398	294,003
2060	89,629	7,475	6,257	103,361
2061	37,438	7,475	4,528	49,441
2062	-	7,475	487	7,962
2063	-	7,475	-	7,475
2064	-	7,475	-	7,475
2065	-	7,475	-	7,475
2066	-	7,475	-	7,475
2067	-	7,475	-	7,475
2068	-	7,475	-	7,475
2069	-	7,475	-	7,475
2070	-	7,475	-	7,475
2071	17,481	7,475	-	24,956
2072	17,481	4,240	-	21,721
2073	-	11,943	-	11,943
2074	-	-	-	-
2075	-	-	-	-
Total	1,181,679	312,767	71,702	1,566,148

Note: Contingency is included in the categories above.

Appendix F-2
Florida Power and Light - Turkey Point Unit 3
Scenario 2 - SAFSTOR
Estimated Annual Spending
LT, SFM, SR, ISFSI
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2052	10,296	12,115	-	22,411
2053	27,093	56,141	-	83,234
2054	16,539	14,445	-	30,984
2055	15,592	13,123	-	28,714
2056	1,960	5,498	-	7,458
2057	1,960	5,498	-	7,458
2058	1,960	5,498	-	7,458
2059	1,960	5,498	-	7,458
2060	1,960	5,498	-	7,458
2061	1,960	5,498	-	7,458
2062	1,960	5,498	-	7,458
2063	1,960	5,498	-	7,458
2064	1,960	5,498	-	7,458
2065	1,960	5,498	-	7,458
2066	1,960	5,498	-	7,458
2067	1,960	5,498	-	7,458
2068	1,960	5,498	-	7,458
2069	1,960	5,498	-	7,458
2070	1,960	5,498	-	7,458
2071	1,960	5,498	-	7,458
2072	2,468	-	-	2,468
2073	2,468	-	-	2,468
2074	2,468	-	-	2,468
2075	2,468	-	-	2,468
2076	2,468	-	-	2,468
2077	2,468	-	-	2,468
2078	2,468	-	-	2,468
2079	2,468	-	-	2,468
2080	2,468	-	-	2,468
2081	2,468	-	-	2,468
2082	2,468	-	-	2,468
2083	2,468	-	-	2,468
2084	2,468	-	-	2,468
2085	2,468	-	-	2,468
2086	2,468	-	-	2,468
2087	2,468	-	-	2,468
2088	2,468	-	-	2,468
2089	2,468	-	-	2,468
2090	2,468	-	-	2,468
2091	2,468	-	-	2,468
2092	2,468	-	-	2,468
2093	2,468	-	-	2,468
2094	2,468	-	-	2,468
2095	2,468	-	-	2,468
2096	2,468	-	-	2,468
2097	2,468	-	-	2,468
2098	2,468	-	-	2,468
2099	2,468	-	-	2,468
2100	2,468	-	-	2,468
2101	2,468	-	-	2,468
2102	2,468	-	-	2,468
2103	2,468	-	-	2,468
2104	4,979	-	-	4,979
2105	36,459	-	-	36,459
2106	56,069	-	-	56,069
2107	88,348	-	2,389	90,737
2108	91,490	-	11,802	103,292
2109	83,611	-	6,434	90,046
2110	95,104	-	4,308	99,413
2111	27,027	-	2,625	29,652
2112	2,206	2,217	1,270	5,693
2113	-	7,093	-	7,093
Total	665,160	193,095	28,828	887,083

Note: Contingency is included in the categories above.

Appendix F-2
Florida Power and Light - Turkey Point Unit 4
Scenario 2 - SAFSTOR
Estimated Annual Spending
LT, SFM, SR, ISFSI
(thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2052				-
2053	25,412	22,036	-	47,448
2054	23,976	54,254	-	78,229
2055	2,899	7,400	-	10,299
2056	1,876	5,535	-	7,411
2057	1,876	5,535	-	7,411
2058	1,876	5,535	-	7,411
2059	1,876	5,535	-	7,411
2060	1,876	5,535	-	7,411
2061	1,876	5,535	-	7,411
2062	1,876	5,535	-	7,411
2063	1,876	5,535	-	7,411
2064	1,876	5,535	-	7,411
2065	1,876	5,535	-	7,411
2066	1,876	5,535	-	7,411
2067	1,876	5,535	-	7,411
2068	1,876	5,535	-	7,411
2069	1,876	5,535	-	7,411
2070	1,876	5,535	-	7,411
2071	1,876	5,535	-	7,411
2072	1,876	2,782	-	4,659
2073	2,698	-	-	2,698
2074	2,698	-	-	2,698
2075	2,698	-	-	2,698
2076	2,698	-	-	2,698
2077	2,698	-	-	2,698
2078	2,698	-	-	2,698
2079	2,698	-	-	2,698
2080	2,698	-	-	2,698
2081	2,698	-	-	2,698
2082	2,698	-	-	2,698
2083	2,698	-	-	2,698
2084	2,698	-	-	2,698
2085	2,698	-	-	2,698
2086	2,698	-	-	2,698
2087	2,698	-	-	2,698
2088	2,698	-	-	2,698
2089	2,698	-	-	2,698
2090	2,698	-	-	2,698
2091	2,698	-	-	2,698
2092	2,698	-	-	2,698
2093	2,698	-	-	2,698
2094	2,698	-	-	2,698
2095	2,698	-	-	2,698
2096	2,698	-	-	2,698
2097	2,698	-	-	2,698
2098	2,698	-	-	2,698
2099	2,698	-	-	2,698
2100	2,698	-	-	2,698
2101	2,698	-	-	2,698
2102	2,698	-	-	2,698
2103	2,698	-	-	2,698
2104	4,922	-	-	4,922
2105	29,592	-	-	29,592
2106	53,725	-	-	53,725
2107	86,424	-	4,600	91,025
2108	98,183	-	22,389	120,571
2109	109,412	-	8,590	118,002
2110	133,433	-	4,250	137,683
2111	50,125	-	2,287	52,412
2112	2,264	2,133	950	5,347
2113	-	5,278	-	5,278
Total	735,907	182,437	43,066	961,410

Note: Contingency is included in the categories above.

Appendix F-2
Florida Power and Light - Turkey Point Units 3 & 4
Scenario 2 - SAFSTOR
Estimated Annual Spending
LT, SFM, SR, ISFSI
(Thousands of 2025 dollars)

Year	License Termination	Spent Fuel Management	Site Restoration	Total
2052	10,296	12,115	-	22,411
2053	52,505	78,177	-	130,682
2054	40,514	68,699	-	109,213
2055	18,491	20,523	-	39,014
2056	3,837	11,032	-	14,869
2057	3,837	11,032	-	14,869
2058	3,837	11,032	-	14,869
2059	3,837	11,032	-	14,869
2060	3,837	11,032	-	14,869
2061	3,837	11,032	-	14,869
2062	3,837	11,032	-	14,869
2063	3,837	11,032	-	14,869
2064	3,837	11,032	-	14,869
2065	3,837	11,032	-	14,869
2066	3,837	11,032	-	14,869
2067	3,837	11,032	-	14,869
2068	3,837	11,032	-	14,869
2069	3,837	11,032	-	14,869
2070	3,837	11,032	-	14,869
2071	3,837	11,032	-	14,869
2072	4,345	2,782	-	7,127
2073	5,166	-	-	5,166
2074	5,166	-	-	5,166
2075	5,166	-	-	5,166
2076	5,166	-	-	5,166
2077	5,166	-	-	5,166
2078	5,166	-	-	5,166
2079	5,166	-	-	5,166
2080	5,166	-	-	5,166
2081	5,166	-	-	5,166
2082	5,166	-	-	5,166
2083	5,166	-	-	5,166
2084	5,166	-	-	5,166
2085	5,166	-	-	5,166
2086	5,166	-	-	5,166
2087	5,166	-	-	5,166
2088	5,166	-	-	5,166
2089	5,166	-	-	5,166
2090	5,166	-	-	5,166
2091	5,166	-	-	5,166
2092	5,166	-	-	5,166
2093	5,166	-	-	5,166
2094	5,166	-	-	5,166
2095	5,166	-	-	5,166
2096	5,166	-	-	5,166
2097	5,166	-	-	5,166
2098	5,166	-	-	5,166
2099	5,166	-	-	5,166
2100	5,166	-	-	5,166
2101	5,166	-	-	5,166
2102	5,166	-	-	5,166
2103	5,166	-	-	5,166
2104	9,901	-	-	9,901
2105	66,050	-	-	66,050
2106	109,794	-	-	109,794
2107	174,773	-	6,989	181,762
2108	189,673	-	34,191	223,863
2109	193,023	-	15,025	208,048
2110	228,537	-	8,558	237,095
2111	77,152	-	4,911	82,064
2112	4,470	4,350	2,220	11,040
2113	-	12,371	-	12,371
Total	1,401,067	375,532	71,894	1,848,493

Note: Contingency is included in the categories above.

Appendix F-3
Florida Power and Light - Turkey Point Unit 3
Scenario 1 - PROMPT Decon
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	23,959	2,603	-	2,831	29,393
2053	51,359	27,253	-	6,091	84,703
2054	41,830	1,912	3,392	9,006	56,140
2055	29,091	3,611	3,392	7,721	43,815
2056	42,309	33,463	14,394	7,296	97,462
2057	56,963	25,717	13,604	5,197	101,482
2058	55,167	16,661	13,656	4,031	89,515
2059	34,747	11,632	66,680	3,115	116,174
2060	20,206	3,225	17,160	2,978	43,569
2061	7,531	2,294	8,483	2,607	20,915
2062	2,721	203	-	1,007	3,930
2063	2,592	112	-	956	3,660
2064	2,592	112	-	956	3,660
2065	2,592	112	-	956	3,660
2066	2,592	112	-	956	3,660
2067	2,592	112	-	956	3,660
2068	2,592	112	-	956	3,660
2069	2,592	112	-	956	3,660
2070	2,592	112	-	956	3,660
2071	3,022	112	16,927	1,080	21,141
2072	1,797	17	-	189	2,003
2073	5,134	1,698	-	46	6,879
2074	-	-	-	-	-
2075	-	-	-	-	-
Total	396,575	131,298	157,689	60,845	746,407

Note: Contingency is included in the categories above.

Appendix F-3
Florida Power and Light - Turkey Point Unit 4
Scenario 1 - PROMPT Decon
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052					-
2053	26,322	3,248	-	3,842	33,412
2054	42,692	29,443	3,392	8,261	83,788
2055	43,583	4,747	3,392	12,012	63,734
2056	42,008	32,170	14,395	7,288	95,861
2057	65,650	29,313	13,775	6,127	114,865
2058	61,686	18,774	13,917	4,409	98,786
2059	38,565	21,637	114,408	3,219	177,830
2060	21,013	5,860	29,839	3,079	59,792
2061	7,792	3,287	14,751	2,696	28,526
2062	2,845	183	-	1,004	4,032
2063	2,743	118	-	953	3,815
2064	2,743	118	-	953	3,815
2065	2,743	118	-	953	3,815
2066	2,743	118	-	953	3,815
2067	2,743	118	-	953	3,815
2068	2,743	118	-	953	3,815
2069	2,743	118	-	953	3,815
2070	2,743	118	-	953	3,815
2071	2,743	118	-	953	3,815
2072	2,419	27	16,927	345	19,718
2073	3,880	1,138	-	46	5,064
2074					-
2075					-
Total	383,146	150,891	224,796	60,908	819,741
Note: Contingency is included in the categories above.					

Appendix F-3
Florida Power and Light - Turkey Point Units 3 & 4
Scenario 1 - PROMPT Decon
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	23,959	2,603	-	2,831	29,393
2053	77,681	30,501	-	9,933	118,115
2054	84,522	31,355	6,784	17,267	139,929
2055	72,674	8,358	6,784	19,733	107,549
2056	84,317	65,633	28,789	14,584	193,323
2057	122,613	55,031	27,379	11,324	216,347
2058	116,853	35,436	27,573	8,440	188,302
2059	73,312	33,269	181,089	6,334	294,003
2060	41,219	9,086	46,999	6,057	103,361
2061	15,323	5,581	23,234	5,303	49,441
2062	5,566	386	-	2,010	7,962
2063	5,336	230	-	1,909	7,475
2064	5,336	230	-	1,909	7,475
2065	5,336	230	-	1,909	7,475
2066	5,336	230	-	1,909	7,475
2067	5,336	230	-	1,909	7,475
2068	5,336	230	-	1,909	7,475
2069	5,336	230	-	1,909	7,475
2070	5,336	230	-	1,909	7,475
2071	5,766	230	16,927	2,033	24,956
2072	4,216	44	16,927	534	21,721
2073	9,014	2,836	-	93	11,943
2074	-	-	-	-	-
2075	-	-	-	-	-
Total	779,721	282,189	382,485	121,752	1,566,148

Note: Contingency is included in the categories above.

Appendix F-4
Florida Power and Light - Turkey Point Unit 3
Scenario 2 - SAFSTOR
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	17,610	2,817	-	1,985	22,411
2053	50,552	28,100	-	4,582	83,234
2054	25,446	1,571	-	3,967	30,984
2055	21,348	1,700	-	5,667	28,714
2056	4,699	838	-	1,921	7,458
2057	4,699	838	-	1,921	7,458
2058	4,699	838	-	1,921	7,458
2059	4,699	838	-	1,921	7,458
2060	4,699	838	-	1,921	7,458
2061	4,699	838	-	1,921	7,458
2062	4,699	838	-	1,921	7,458
2063	4,699	838	-	1,921	7,458
2064	4,699	838	-	1,921	7,458
2065	4,699	838	-	1,921	7,458
2066	4,699	838	-	1,921	7,458
2067	4,699	838	-	1,921	7,458
2068	4,699	838	-	1,921	7,458
2069	4,699	838	-	1,921	7,458
2070	4,699	838	-	1,921	7,458
2071	4,699	838	-	1,921	7,458
2072	1,108	200	-	1,161	2,468
2073	1,108	200	-	1,161	2,468
2074	1,108	200	-	1,161	2,468
2075	1,108	200	-	1,161	2,468
2076	1,108	200	-	1,161	2,468
2077	1,108	200	-	1,161	2,468
2078	1,108	200	-	1,161	2,468
2079	1,108	200	-	1,161	2,468
2080	1,108	200	-	1,161	2,468
2081	1,108	200	-	1,161	2,468
2082	1,108	200	-	1,161	2,468
2083	1,108	200	-	1,161	2,468
2084	1,108	200	-	1,161	2,468
2085	1,108	200	-	1,161	2,468
2086	1,108	200	-	1,161	2,468
2087	1,108	200	-	1,161	2,468
2088	1,108	200	-	1,161	2,468
2089	1,108	200	-	1,161	2,468
2090	1,108	200	-	1,161	2,468
2091	1,108	200	-	1,161	2,468
2092	1,108	200	-	1,161	2,468
2093	1,108	200	-	1,161	2,468
2094	1,108	200	-	1,161	2,468
2095	1,108	200	-	1,161	2,468
2096	1,108	200	-	1,161	2,468
2097	1,108	200	-	1,161	2,468
2098	1,108	200	-	1,161	2,468
2099	1,108	200	-	1,161	2,468
2100	1,108	200	-	1,161	2,468
2101	1,108	200	-	1,161	2,468
2102	1,108	200	-	1,161	2,468
2103	1,108	200	-	1,161	2,468
2104	2,474	266	339	1,899	4,979
2105	24,059	1,609	5,881	4,910	36,459
2106	28,088	15,746	4,330	7,904	56,069
2107	44,870	32,682	8,965	4,221	90,737
2108	59,370	20,615	19,394	3,913	103,292
2109	44,136	13,089	30,237	2,583	90,046
2110	25,141	7,947	64,367	1,957	99,413
2111	10,917	2,873	14,376	1,485	29,652
2112	3,917	624	-	1,152	5,693
2113	5,134	1,698	-	260	7,093
Total	473,700	151,132	147,889	114,362	887,083

Note: Contingency is included in the categories above.

Appendix F-4
Florida Power and Light - Turkey Point Unit 4
Scenario 2 - SAFSTOR
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052					-
2053	38,183	3,783	-	5,482	47,448
2054	41,726	29,076	-	7,427	78,229
2055	7,146	1,264	-	1,889	10,299
2056	4,719	804	-	1,889	7,411
2057	4,719	804	-	1,889	7,411
2058	4,719	804	-	1,889	7,411
2059	4,719	804	-	1,889	7,411
2060	4,719	804	-	1,889	7,411
2061	4,719	804	-	1,889	7,411
2062	4,719	804	-	1,889	7,411
2063	4,719	804	-	1,889	7,411
2064	4,719	804	-	1,889	7,411
2065	4,719	804	-	1,889	7,411
2066	4,719	804	-	1,889	7,411
2067	4,719	804	-	1,889	7,411
2068	4,719	804	-	1,889	7,411
2069	4,719	804	-	1,889	7,411
2070	4,719	804	-	1,889	7,411
2071	4,719	804	-	1,889	7,411
2072	2,204	736	-	1,719	4,659
2073	1,191	273	-	1,234	2,698
2074	1,191	273	-	1,234	2,698
2075	1,191	273	-	1,234	2,698
2076	1,191	273	-	1,234	2,698
2077	1,191	273	-	1,234	2,698
2078	1,191	273	-	1,234	2,698
2079	1,191	273	-	1,234	2,698
2080	1,191	273	-	1,234	2,698
2081	1,191	273	-	1,234	2,698
2082	1,191	273	-	1,234	2,698
2083	1,191	273	-	1,234	2,698
2084	1,191	273	-	1,234	2,698
2085	1,191	273	-	1,234	2,698
2086	1,191	273	-	1,234	2,698
2087	1,191	273	-	1,234	2,698
2088	1,191	273	-	1,234	2,698
2089	1,191	273	-	1,234	2,698
2090	1,191	273	-	1,234	2,698
2091	1,191	273	-	1,234	2,698
2092	1,191	273	-	1,234	2,698
2093	1,191	273	-	1,234	2,698
2094	1,191	273	-	1,234	2,698
2095	1,191	273	-	1,234	2,698
2096	1,191	273	-	1,234	2,698
2097	1,191	273	-	1,234	2,698
2098	1,191	273	-	1,234	2,698
2099	1,191	273	-	1,234	2,698
2100	1,191	273	-	1,234	2,698
2101	1,191	273	-	1,234	2,698
2102	1,191	273	-	1,234	2,698
2103	1,191	273	-	1,234	2,698
2104	2,150	332	339	2,101	4,922
2105	17,134	1,471	5,881	5,107	29,592
2106	27,024	15,045	4,330	7,326	53,725
2107	45,299	32,131	8,971	4,623	91,025
2108	71,740	25,032	19,010	4,789	120,571
2109	47,781	17,997	49,387	2,838	118,002
2110	26,974	15,446	93,277	1,985	137,683
2111	11,633	4,977	34,164	1,637	52,412
2112	3,721	469	-	1,157	5,347
2113	3,880	1,138	-	260	5,278
Total	459,004	170,234	215,360	116,813	961,410

Note: Contingency is included in the categories above.

Appendix F-4
Florida Power and Light - Turkey Point Units 3 & 4
Scenario 2 - SAFSTOR
Estimated Annual Spending
Labor, Material/Equip, Waste, Other Direct Cost
(thousands of 2025 dollars)

Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	17,610	2,817	-	1,985	22,411
2053	88,735	31,883	-	10,064	130,682
2054	67,172	30,646	-	11,394	109,213
2055	28,494	2,964	-	7,556	39,014
2056	9,417	1,642	-	3,810	14,869
2057	9,417	1,642	-	3,810	14,869
2058	9,417	1,642	-	3,810	14,869
2059	9,417	1,642	-	3,810	14,869
2060	9,417	1,642	-	3,810	14,869
2061	9,417	1,642	-	3,810	14,869
2062	9,417	1,642	-	3,810	14,869
2063	9,417	1,642	-	3,810	14,869
2064	9,417	1,642	-	3,810	14,869
2065	9,417	1,642	-	3,810	14,869
2066	9,417	1,642	-	3,810	14,869
2067	9,417	1,642	-	3,810	14,869
2068	9,417	1,642	-	3,810	14,869
2069	9,417	1,642	-	3,810	14,869
2070	9,417	1,642	-	3,810	14,869
2071	9,417	1,642	-	3,810	14,869
2072	3,312	936	-	2,879	7,127
2073	2,299	473	-	2,395	5,166
2074	2,299	473	-	2,395	5,166
2075	2,299	473	-	2,395	5,166
2076	2,299	473	-	2,395	5,166
2077	2,299	473	-	2,395	5,166
2078	2,299	473	-	2,395	5,166
2079	2,299	473	-	2,395	5,166
2080	2,299	473	-	2,395	5,166
2081	2,299	473	-	2,395	5,166
2082	2,299	473	-	2,395	5,166
2083	2,299	473	-	2,395	5,166
2084	2,299	473	-	2,395	5,166
2085	2,299	473	-	2,395	5,166
2086	2,299	473	-	2,395	5,166
2087	2,299	473	-	2,395	5,166
2088	2,299	473	-	2,395	5,166
2089	2,299	473	-	2,395	5,166
2090	2,299	473	-	2,395	5,166
2091	2,299	473	-	2,395	5,166
2092	2,299	473	-	2,395	5,166
2093	2,299	473	-	2,395	5,166
2094	2,299	473	-	2,395	5,166
2095	2,299	473	-	2,395	5,166
2096	2,299	473	-	2,395	5,166
2097	2,299	473	-	2,395	5,166
2098	2,299	473	-	2,395	5,166
2099	2,299	473	-	2,395	5,166
2100	2,299	473	-	2,395	5,166
2101	2,299	473	-	2,395	5,166
2102	2,299	473	-	2,395	5,166
2103	2,299	473	-	2,395	5,166
2104	4,625	598	679	4,000	9,901
2105	41,193	3,080	11,761	10,017	66,050
2106	55,112	30,792	8,660	15,231	109,794
2107	90,169	64,813	17,936	8,844	181,762
2108	131,110	45,647	38,404	8,702	223,863
2109	91,917	31,086	79,624	5,421	208,048
2110	52,116	23,393	157,645	3,942	237,095
2111	22,551	7,850	48,540	3,122	82,064
2112	7,638	1,093	-	2,310	11,040
2113	9,014	2,836	-	520	12,371
Total	932,703	321,366	363,249	231,174	1,848,493

Note: Contingency is included in the categories above.

APPENDIX F-5 Florida Power and Light -Turkey Point Units 3 & 4 Scenario 1 - PROMPT Decon DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	-	-	-	-	-
2053	12,326	2,372	-	552	15,251
2054	42,619	29,778	-	2,225	74,623
2055	36,275	29,611	-	3,002	68,888
2056	14,294	1,222	-	2,700	18,216
2057	5,336	230	-	1,909	7,475
2058	5,336	230	-	1,909	7,475
2059	5,336	230	-	1,909	7,475
2060	5,336	230	-	1,909	7,475
2061	5,336	230	-	1,909	7,475
2062	5,336	230	-	1,909	7,475
2063	5,336	230	-	1,909	7,475
2064	5,336	230	-	1,909	7,475
2065	5,336	230	-	1,909	7,475
2066	5,336	230	-	1,909	7,475
2067	-	-	-	-	-
2068	-	-	-	-	-
2069	-	-	-	-	-
2070	-	-	-	-	-
2071	-	-	-	-	-
2072	-	-	-	-	-
2073	-	-	-	-	-
2074	-	-	-	-	-
2075	-	-	-	-	-
Total	158,872	65,285	-	27,574	251,731

Note: Contingency is included in the categories above.

APPENDIX F-5 Florida Power and Light -Turkey Point Unit 3 Scenario 1 - PROMPT Decon DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	-	-	-	-	-
2053	12,326	2,372	-	552	15,251
2054	28,372	26,873	-	1,492	56,736
2055	14,309	1,043	-	1,797	17,149
2056	2,592	112	-	956	3,660
2057	2,592	112	-	956	3,660
2058	2,592	112	-	956	3,660
2059	2,592	112	-	956	3,660
2060	2,592	112	-	956	3,660
2061	2,592	112	-	956	3,660
2062	2,592	112	-	956	3,660
2063	2,592	112	-	956	3,660
2064	2,592	112	-	956	3,660
2065	2,592	112	-	956	3,660
2066	2,592	112	-	956	3,660
2067	-	-	-	-	-
2068	-	-	-	-	-
2069	-	-	-	-	-
2070	-	-	-	-	-
2071	-	-	-	-	-
2072	-	-	-	-	-
2073	-	-	-	-	-
2074	-	-	-	-	-
2075	-	-	-	-	-
Total	83,522	31,518	-	14,361	129,402

Note: Contingency is included in the categories above.

APPENDIX F-5 Florida Power and Light -Turkey Point Unit 4 Scenario 1 - PROMPT Decon DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052	-	-	-	-	-
2053	-	-	-	-	-
2054	14,248	2,906	-	733	17,887
2055	21,966	28,568	-	1,205	51,739
2056	11,702	1,110	-	1,744	14,556
2057	2,743	118	-	953	3,815
2058	2,743	118	-	953	3,815
2059	2,743	118	-	953	3,815
2060	2,743	118	-	953	3,815
2061	2,743	118	-	953	3,815
2062	2,743	118	-	953	3,815
2063	2,743	118	-	953	3,815
2064	2,743	118	-	953	3,815
2065	2,743	118	-	953	3,815
2066	2,743	118	-	953	3,815
2067	-	-	-	-	-
2068	-	-	-	-	-
2069	-	-	-	-	-
2070	-	-	-	-	-
2071	-	-	-	-	-
2072	-	-	-	-	-
2073	-	-	-	-	-
2074	-	-	-	-	-
2075	-	-	-	-	-
Total	75,350	33,767	-	13,212	122,330

Note: Contingency is included in the categories above.

Appendix F-6 Florida Power and Light -Turkey Point Units 3 & 4 Scenario 2 - SAFSTOR DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052					
2053	9,449	2,251	-	414	12,115
2054	45,787	30,164	-	2,245	78,177
2055	36,763	29,602	-	2,334	68,699
2056	15,764	1,901	-	2,857	20,523
2057	7,802	967	-	2,264	11,032
2058	7,802	967	-	2,264	11,032
2059	7,802	967	-	2,264	11,032
2060	7,802	967	-	2,264	11,032
2061	7,802	967	-	2,264	11,032
2062	7,802	967	-	2,264	11,032
2063	7,802	967	-	2,264	11,032
2064	7,802	967	-	2,264	11,032
2065	7,802	967	-	2,264	11,032
2066	7,802	967	-	2,264	11,032
2067	-	-	-	-	-
2068	-	-	-	-	-
2069	-	-	-	-	-
2070-2109	-	-	-	-	-
2110	-	-	-	-	-
2111	-	-	-	-	-
2112	-	-	-	-	-
2113	-	-	-	-	-
Total	185,760	73,584	-	30,492	289,836
Note: Contingency is included in the categories above.					

Appendix F-6 Florida Power and Light -Turkey Point Unit 3 Scenario 2 - SAFSTOR DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052					
2053	9,449	2,251	-	414	12,115
2054	27,684	27,205	-	1,253	56,141
2055	12,546	1,112	-	788	14,445
2056	10,265	1,123	-	1,735	13,123
2057	3,864	491	-	1,142	5,498
2058	3,864	491	-	1,142	5,498
2059	3,864	491	-	1,142	5,498
2060	3,864	491	-	1,142	5,498
2061	3,864	491	-	1,142	5,498
2062	3,864	491	-	1,142	5,498
2063	3,864	491	-	1,142	5,498
2064	3,864	491	-	1,142	5,498
2065	3,864	491	-	1,142	5,498
2066	3,864	491	-	1,142	5,498
2067					
2068					
2069					
2070-2109					
2110					
2111					
2112					
2113					
Total	88,588	36,602	-	15,609	150,800
Note: Contingency is included in the categories above.					

Appendix F-6 Florida Power and Light -Turkey Point Unit 4 Scenario 2 - SAFSTOR DOE Reimbursement Labor, Material/Equip, Waste, Other Direct Cost (thousands of 2025 dollars)					
Year	Labor	Material & Equipment	Waste Packaging, Transportation & Disposal	Other Direct Cost	Total
2052					-
2053					
2054	18,084	2,960	-	992	22,036
2055	24,217	28,490	-	1,546	54,254
2056	5,499	778	-	1,122	7,400
2057	3,937	475	-	1,122	5,535
2058	3,937	475	-	1,122	5,535
2059	3,937	475	-	1,122	5,535
2060	3,937	475	-	1,122	5,535
2061	3,937	475	-	1,122	5,535
2062	3,937	475	-	1,122	5,535
2063	3,937	475	-	1,122	5,535
2064	3,937	475	-	1,122	5,535
2065	3,937	475	-	1,122	5,535
2066	3,937	475	-	1,122	5,535
2067					
2068					
2069					
2070-2109					
2110					
2111					
2112					
2113					
Total	87,172	36,981	-	14,883	139,036
Note: Contingency is included in the categories above.					

SECTION 11

COMPARISON REPORT: Comparative Analysis of Cost Studies 2020 & 2025 Cost Studies



COMPARISON REPORT 2020 - 2025 of the Turkey Point Nuclear Plant, Units 3 and 4

Project No. 164133-01

Rev. 1

Prepared for:
Florida Power & Light Company

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	Kevin Kirkley, Estimating Manager	Date

- ☒ New Report
- ☐ Title Change
- ☐ Report Revision
- ☐ Report Rewrite

Effective
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SUMMARY

This document provides a comparative discussion on decommissioning cost estimates prepared for the Turkey Point Nuclear Plant (Turkey Point) in 2020 (EnergySolutions) and prepared in 2025 (EnergySolutions). The estimates described in this document were constructed for a prompt decommissioning scenario (Prompt DECON) following the scheduled cessation of operations, recognizing that there is approximately a one year offset in the scheduled shutdown dates for the two nuclear units. The scope of the two estimates is consistent, including cost subcategories for license termination, spent fuel management and site restoration activities.

The estimates were generated in 2020 and 2025 dollars, respectively. The 2025, or current estimate, was developed using the basic inventory and plant design information from the 2010 cost model. The data, estimating assumptions and site-specific considerations were reviewed for the 2020 analysis. The cost model was modified where new information was available, updated site-specific information was obtained, or experience from past decommissioning programs justified such changes.

The overall estimate to decommission Turkey Point (for the Prompt DECON alternative) increased 15.1% over the five-year period between estimates or approximately a 2.8% increase annually. The increase in the individual cost subcategories is shown in Table 1.

The cost elements were assigned to one of three subcategories: License Termination, Spent Fuel Management, and Site Restoration. Delegation of cost elements into these categories was for the purpose of comparison (e.g., with NRC financial guidelines) or to permit specific financial treatment (e.g., Asset Retirement Obligation (ARO) determinations). In reality, there can be considerable interaction or overlap between the activities in the three subcategories.

Table 1 – Cost Subcategory Comparison Between 2020 and 2025 Estimates

Cost Subcategory	2020 (\$1,000s)	2025 (\$1,000s)	Delta (\$1,000s)	Percent Change	Annual Change
License Termination	1,018,355	1,181,679	163,324	16.0%	3.0%
Spent Fuel Management	282,949	312,767	29,819	10.5%	2.0%
Site Restoration	59,888	71,702	11,814	19.7%	3.7%
Total	1,361,192	1,566,148	204,957	15.1%	2.8%

The subcategory License Termination was used to accumulate costs that are consistent with the NRC's definition of decommissioning in its financial assurance regulations (i.e., 10 CFR Part 50.75, Reporting and recordkeeping for decommissioning planning, etc.). The cost reported for this subcategory is generally sufficient to terminate the operating licenses for the two reactors, recognizing that there may be some additional cost impact from spent fuel management. The cost associated with Turkey Point License Termination activities increased 16.0% over the five years or approximately 3.0% increase annually. The primary driver is escalation.

The Spent Fuel Management subcategory contains costs anticipated to be incurred once the nuclear units cease operation for the off-loading of the pools either directly to the Department of Energy (DOE) or to the Independent Spent Fuel Storage Installation (ISFSI) for interim storage, and the eventual transfer of fuel from the ISFSI to the DOE. The DCE includes equipment and transfer costs only for shipment of spent fuel to the DOE prior to the cessation of the units, however any staffing cost that is

deemed necessary for this work prior to cessation of the units is assumed to be covered by plant operating costs. Costs were also included for the operation of the ISFSI until such time that the transfer of all fuel from this facility to an off-site location (e.g., geologic repository or interim facility) is complete. The costs assigned to this subcategory increased by 10.5% over the five years or approximately 2.0% increase annually. The primary driver is escalation but it is minimized due to a decrease in the required number of spent fuel transfer containers between 2020 to 2025: Pool to DOE (25 decreased to 12) and ISFSI to DOE (90 increased to 96); this lowers cost. Another impact that decreases the annual % change is the replacement of the 15% labor adder to 5% per FPL's labor contracts.

Site Restoration was used to capture costs associated with the dismantling and demolition of buildings and facilities demonstrated to be free from contamination. This includes structures never exposed to radioactive materials. Structures that have been exposed to radioactive material and require decontamination such as the Reactor Buildings, Auxiliary Building, Fuel Handling Buildings, and the Radwaste Building are included in the License Termination subcategory of the DCE. Structures are removed to a depth of three feet below grade and backfilled to conform to local grade. The costs assigned to the Site Restoration subcategory increased 19.7% over the five years or approximately a 3.7% increase annually. The primary driver in this difference is escalation.

COMPARATIVE ANALYSIS

The past and current cost analysis uses the physical plant inventory, and information provided by FPL to complete the current analysis. This data was reviewed, along with the assumptions from the previous analysis and other site-specific considerations. Based on experience from previous and on-going decommissioning projects and previous proposal efforts, the Turkey Point cost analysis has been revised. In 2020, the estimate to promptly decommission Turkey Point (DECON alternative) was estimated at approximately \$1,361.2 million (in 2020 dollars). The comparable cost in 2025 is \$1,566.1 million (in 2025 dollars). This represents a 15.1% increase in the overall cost.

The decommissioning scope of the current cost estimate has not changed from 2020 to 2025. To compare the estimates, the costs have been broken down into 15 separate cost elements as shown in Table 2 below. A brief description of the change and primary contributing factor(s) to the change is detailed within the following narrative.

Table 2 – Cost Element Comparison Between 2020 and 2025 Estimates

Cost Element	2020 (\$1,000s)	2025 (\$1,000s)	Delta (\$1,000s)	Percent Change	Annual Change
Characterization/Surveys	20,151	24,794	4,643	23.0%	4.2%
Corporate Support (Fixed Overhead)	32,405	36,665	4,261	13.1%	2.5%
Decontamination & Removal	244,732	311,623	66,891	27.3%	5.0%
Energy	9,792	10,111	319	3.3%	0.6%
Florida LLRW Inspection Fee	5,455	7,049	1,594	29.2%	5.3%
INPO, NEI Fees	-	-	-	-	-
Insurance & Regulatory Fees	75,299	72,063	(3,236)	-4.3%	-0.9%
Miso Equip/Site Services	9,620	10,734	1,114	11.6%	2.2%
Program Management	415,943	456,244	40,301	9.7%	1.9%
Property Taxes	694	706	12	1.8%	0.3%
Security	105,783	117,821	12,038	11.4%	2.2%
Spent Fuel Management	95,600	108,436	12,836	13.4%	2.6%
Spent Fuel Pool Isolation	24,049	27,416	3,368	14.0%	2.7%
Waste Packaging, Transportation & Disposal Class A, B, C	283,825	335,064	51,238	18.1%	3.4%
Waste Packaging, Transportation & Disposal GTCC	37,845	47,422	9,577	25.3%	4.6%
Total	1,361,192	1,566,148	204,957	15.1%	2.8%

Characterization / Surveys – 23.0% increase over the five years or approximately 4.2% increase annually. The primary driver of this increase is escalation.

Corporate Support (Fixed Overhead) – Costs are based on the information provided by FPL in 2020 and escalated to 2025. These costs are applied across Periods 1-4 in the DCE estimate.

Decontamination & Removal – 27.3% increase over the five years or approximately 5.0% increase annually. This increase is due to escalation.

Energy – 3.3% increase over the five-year or approximately a 0.6% increase annually. The primary driver of this increase is escalation.

Florida LLRW Inspection Fee – 29.2% increase over the five-year period or approximately a 5.3% increase annually. The primary driver of this increase is escalation.

INPO, NEI Fees – It is assumed that these are no longer required once the plant has permanently shut down.

Insurance & Regulatory Fees – 4.3% decrease over the five-year period or approximately 0.9% annually. See Table 3 below for rates at shutdown. Note a decrease in rates provided except for Nuclear Liability Insurance Premium (NEIL) and the NRC hourly inspection rate and license fee. Note that Emergency Planning Fees (County & FEMA fees+) cease once all spent fuel is removed from the spent fuel pool.

The rates shown below in Table 3 do not contain contingency.

Table 3 - Insurance and Regulatory Comparison Between 2020 and 2025 Estimates

Annual Cost	2020	2025
Nuclear Liability Insurance Premium(per unit)*	\$1,389,009	\$1,598,583
Nuclear Property Insurance Premium (site)**	\$2,511,320	\$1,660,118
NRC License Fee (per unit)	\$172,000	\$326,000
Emergency Planning Fee (County & FEMA)***	\$1,131,076	\$996,284
NRC Hourly Rate	\$278	\$317
* rate assumes rate provided by FPL will be 50% at time of shutdown. Rate further reduced upon other decommissioning milestones. ** rate shown is once plants are shutdown. Rate further reduced upon other decommissioning milestones *** assumed no fee required once spent fuel is removed from the spent fuel pool		

Misc. Equipment / Site Services – 11.6% increase over the five-year period or 2.2% increase annually. The primary driver of this increase is escalation

Program Management – 9.7% increase over the five years or 1.9% increase annually. The primary driver of this increase is escalation. Period 5 duration is one year less than the 2020 cost study's duration so there is a slight decrease in total cost for this period.

Property Taxes – 1.8% increase over the five-year period or 0.3% increase annually. The DCEs assume land only taxes will be paid post shutdown of both Unit 3 and Unit 4. This cost is carried until the ISFSI demolition is complete.

Security – 11.4% increase over the five-year period or 2.2% increase annually. The main contributor to this increase is escalation.

Spent Fuel Management – 13.4% increase over the five years or 2.6% increase annually. The primary driver of this increase is escalation.

The DCE costs include ISFSI maintenance, spent fuel maintenance, all spent fuel transfer (both to DOE and ISFSI), and demolition of the ISFSI pad. Table 4 identifies a few of the major items included in the

Spent Fuel Management comparison. The cost studies assume that no ISFSI expansion is required. Table 5 identifies key dates and quantities of the shipping campaigns.

Table 4 – Spent Fuel Management Comparison Between 2020 and 2025 Estimates

Unit Costs (each)	2020	2025
Dry Storage Canister / Horizontal Storage Module	1,015,163	1,311,847
Loading / Transfer Cost	480,000	751,501
Pool to DOE Campaign Cost (U3)	3,374,000	4,322,529
Pool to DOE Campaign Cost (U4)	2,261,000	2,896,094
Pool to ISFSI Cost		1,798,432
ISFSI Unloading Cost	115,000	128,809
<i>above includes contingency</i>		

Table 5 - Spent Fuel Activity Comparison Between 2020 and 2025

Activity	2020	2025
DOE Repository Opening	2030	2034
DOE Begin Transfer from Site	2031	2052
Spent Fuel Transfer - Pool to DOE	25 canisters	12 canisters
Spent Fuel Transfer - Pool to ISFSI	34 canisters	34 canisters
Spent Fuel Transfer - ISFSI to DOE	90 canisters	96 canisters
Final Year of DOE Pickup	2073	2073
ISFSI Operating Period (post unit 4 shutdown) (years)	20 years	20 years
GTCC Canisters	8 canisters	8 canisters

Spent Fuel Pool Isolation – 14% increase over the five years or 2.7% increase annually. The difference is primarily due to escalation.

Waste Packaging, Transportation & Disposal (Class A, B, & C) – 18.1% increase over the five-year period or 3.4% increase annually. The difference is due to escalation.

Waste Packaging, transportation, & Disposal (GTCC) – 25.3% increase over the five-year period or 4.6% increase annually. Both cost studies include 8 GTCC containers. The cost for disposal is approximately \$7,274 per cubic foot (including contingency) in the 2025 DCE as compared to approximately \$5,805 per cubic foot (including contingency) in the 2020 DCE. The difference is due to escalation.

Table 6 - Waste Comparison Between 2020 and 2025 Estimates

Waste Class	Waste Form	Cost Basis	Class	Waste Volume* (CF)	
				2020	2025
Low Level Radioactive Waste	Debris / Storm Drain	EnergySolutions	A	1,773,112	1,773,112
	Soil	EnergySolutions	A	657,554	657,554
	Debris	WCS	BC	4,150	4,150
Greater than Class C (GTCC)	Modified Dry Storage Containers (DSCs)	Spent Fuel Equivalent	GTCC	4,122	4,122
Total Disposal Volume				2,438,938	2,438,938
* volume is burial volume.					

CONCLUSION

The total cost to decommission the Turkey Point nuclear units increased 15.1% over the five-year period between estimates or approximately 2.8% increase annually.

As shown in Table 1, License Termination costs (or the cost associated with “decommissioning” as defined by the NRC in its financial assurance regulations) increased 16.0 % over the five-year period (for an average annual increase of 3.0% annually). The primary change is escalation.

The Spent Fuel Management subcategory contains costs associated with the interim storage of fuel at the Turkey Point site until such time that the DOE can take possession. The costs estimated for this activity increased 10.5% (an average annual increase of 2.0%) from 2020. The primary contributor to this increase is escalation.

Site restoration (used to capture costs associated with the dismantling and demolition of buildings and facilities demonstrated to be free from contamination) showed an increase of 19.7% or 3.7% annually over the five years. The primary contributor to this increase is escalation.