SIERRA CLUB

June 11, 2024

Via electronic delivery

Adam Teitzman
Director, Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

Re: **Docket No. 20240025-El**
Petition for Rate Increase by Duke Energy Florida, LLC

Dear Mr. Teitzman,

Enclosed for filing on Sierra Club's behalf is the Direct Testimony of Rose Anderson in the above referenced docket. Should you have any questions regarding this filing, please contact me.

Sincerely,

____*/s/ Tony Mendoza*___

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Qualified Representatives for Sierra Club

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

Petition for Rate Increase by Duke Energy Florida, LLC	))	Docket No. 20240025-EI

Direct Testimony of

Rose Anderson

On Behalf of

Sierra Club

June 11, 2024

TABLE OF CONTENTS

LIST OF EXHIBITS ii

1. Introduction and purpose of testimony 1

2. Findings and recommendations 4

3. Background on Crystal River North 5

4. Company requests for Crystal River North in this rate case 9

5. Early retirement of Crystal River North 12

6. Crystal River North economic analysis 13

7. Risks of keeping Crystal River North online through 2034 19

8. Undepreciated plant balance and the Energy Infrastructure Reinvestment program 21

9. Winter Capacity Contribution of Solar 28

LIST OF EXHIBITS

RA-1: Resume of Rose Anderson

RA-2: Duke Energy Florida's Public Responses to Sierra Club Interrogatories

RA-3: Duke Energy Florida's 2024 Ten-Year Site Plan

RA-4: 2020 Crystal River North Retirement Study

RA-5: Duke Energy Florida's Response to Off. of Pub. Counsel ("OPC") POD 1-7 attach. "B-13 CWIP – REDACTED.xlsx"

RA-6: Benjamin Borsch Deposition Transcript (Excerpted)

RA-7: Reginald Anderson Deposition Transcript (Excerpted)

RA-8: U.S. EPA, *Final Carbon Pollution Standards to Reduce Greenhouse Gas Emissions from Power Plants*, Apr. 25, 2024

RA-9: Florida Reliability Coordinating Council, 2022 Load & Resource Reliability Assessment Report, FRCC-MS-PL-397

RA-10: Duke Energy Carolinas and Duke Energy Progress, Effective Load Carrying Capability (ELCC) Study, Astrapé Consulting, Apr. 25, 2022

LIST OF FIGURES

Figure 1: Capacity Factors at Crystal River North Units 4 and 5 6
Figure 2: Forced Outage Rate at Crystal River North... 7
Figure 3: Projected Performance of Crystal River North... 15

1. Introduction and Purpose of Testimony

Q Please state your name and occupation.

A My name is Rose Anderson. I am a Principal Associate at Synapse Energy Economics ("Synapse"). My business address is 485 Massachusetts Avenue, Suite 3, Cambridge, Massachusetts 02139.

Q Please describe Synapse Energy Economics.

A Synapse is a research and consulting firm specializing in energy issues including electric generation, transmission and distribution system reliability, ratemaking and rate design, electric industry restructuring and market power, electricity market prices, stranded costs, efficiency, renewable energy, environmental quality, and nuclear power.

Synapse's clients include state consumer advocates, public utilities commission staff, attorneys general, environmental organizations, federal government agencies, and utilities.

Q Please summarize your work experience and educational background.

A At Synapse, I review planning assumptions and modeling in utility integrated resource plans ("IRPs"). I evaluate utility rate case requests and engage in stakeholder IRP processes. My focus is on the economics of thermal generators and on the development of utility portfolios that minimize cost and risk while providing customers with reliable service.

Before joining Synapse, I performed economic analysis at the Oregon Public Utility Commission and at McCullough Research, an energy economics consulting firm. In my role on the Oregon Public Utility Commission staff, I prepared testimony and comments with recommendations for commissioners on utility integrated resource plans, power cost proceedings, rate cases, tariff filings, and Requests for Proposals ("RFP").

I have experience running the EnCompass and Aurora utility planning models and reviewing modeling inputs and outputs from these and other utility models.

A copy of my current resume is attached as Exhibit RA-1.

Q On whose behalf are you testifying in this case?

A I am testifying on behalf of Sierra Club.

Q Have you testified previously before the Florida Public Service Commission?

A No. I have testified in proceedings at the Oregon Public Utility Commission and Nevada Public Utilities Commission.

Q What is the purpose of your testimony in this proceeding?

A I evaluate Duke Energy Florida's ("DEF" or "the Company") coal-fired Crystal River North power plant, which consists of Units 4 and 5. I analyze the reasonableness of Duke's proposed continued spending at Crystal River North Units 4 and 5 based on my analysis of the economics of continuing to operate those units. I outline the savings from early retirement and procurement of replacement resources as needed, and how early retirement avoids environmental compliance costs that those units would otherwise incur. I discuss methods of increasing customer savings and mitigating the impacts of accelerated depreciation at Crystal River North from an earlier retirement of the plant.

Finally, I argue that the Company could create ratepayer benefits by performing a study of the winter capacity contribution of solar.

Q How is your testimony structured?

A Section 2 summarizes my findings and recommendations. In Section 3, I provide relevant background on Crystal River North. In Section 4, I outline DEF's requests in this rate case to continue to operate the plant on coal and include the associated costs in rates. In Section 5, I explain why retirement of Crystal River North earlier than 2034 is likely to benefit customers. In Section 6, I present my analysis on the projected economics of the Crystal River North plant over the next decade. In Section 7, I outline the risks of continuing to rely on the Crystal River North plant, including risks from fuel price volatility and fuel supply disruptions, and future environmental regulation risk. In Section 8, I discuss ways to avoid the potential adverse rate impacts of accelerated depreciation, and highlight that obtaining funding under the U.S. Department of Energy's ("DOE") Energy Infrastructure Reinvestment ("EIR") program could result in over a hundred million dollars in additional savings for customers. Finally, in Section 9, I argue that DEF should evaluate the winter capacity contribution of solar.

Q What documents do you rely upon for your analysis, findings, and observations?

A My analysis relies upon the application, testimonies, and other materials filed by DEF in this rate case, the Company's 2023 Ten-Year Site Plan ("TYSP"), discovery responses received from DEF, and publicly available data.

2. **<u>FINDINGS AND RECOMMENDATIONS</u>**

Q Please summarize your findings.

A My primary finding are:

1. Retiring Crystal River North as soon as possible, but by 2030 at the latest, instead of its currently planned retirement date of 2034, will have substantial benefits for customers.
2. Retiring Crystal River North by 2030 and replacing it with solar energy and capacity contracts would reduce system costs, while also reducing the risks associated with fuel prices and environmental regulations.
3. I estimate that retiring Crystal River North in 2030, for example, could save customers approximately $155 million.
4. In this rate case, the Company is requesting significantly more operations and maintenance ("O&M") spending than has historically been necessary to operate the Crystal River North coal units.
5. The Company's resource planning would likely benefit from a more rigorous consideration of the ability of solar to contribute to resource adequacy, including during winter.
6. Funding the Crystal River North retirement and replacement through the U.S. DOE EIR loan program would potentially generate more than $123 million in *additional* savings for customers, resulting in a total customer benefit of $278 million.

Q Please summarize your recommendations.

A In my testimony, I offer the following recommendations:

1. I recommend that the Company commit to cease burning coal and retire Crystal River North by the end of 2030.

2. Because benefits from an U.S. DOE EIR loan could surpass one hundred million dollars, I recommend that the Commission direct DEF to submit an application for EIR financing before the program's application deadline. This application should include the retirement of Crystal River North by 2030 and replacement with renewable energy.

3. The Company should offer a reasonable justification for the increase in O&M for the Crystal River North coal units, or its revenue requirement should be revised downward to more closely match historical spending.

4. Given that DEF expects to soon have thousands of megawatts ("MW") of solar on its system, the Company should perform a study of the capacity contribution of solar, including during winter.

3. BACKGROUND ON CRYSTAL RIVER NORTH

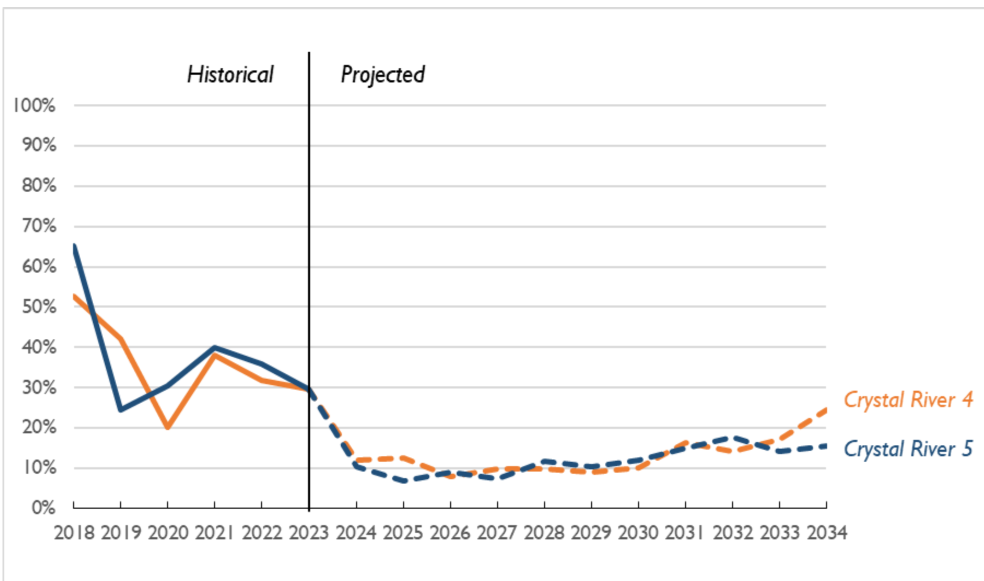
Q Please describe the current Crystal River North plant.

A Crystal River North consists of Crystal River Units 4 and 5, which are two coal-fired units located in Citrus County, Florida. Units 4 and 5 have capacities of approximately 739 MW each, for a combined total of approximately 1,478 MW. The plant is owned by DEF. Crystal River Units 4 and 5 were built in 1982 and 1984 and are 42 and 40 years old, respectively.

Q Please describe the recent historical and projected utilization of Crystal River North.

A As shown in Figure 1 below, the annual capacity factors at Crystal River Units 4 and 5 have ranged between 25 percent and 42 percent since 2019, and in the past few years have displayed a steadily decreasing trend.[1] The current capacity factors are around 30 percent. Over the next decade, DEF projects the units' utilization will continue to fall, and remain between 8 percent and 20 percent through 2033.[2]

Figure 1. Capacity Factors at Crystal River North Units 4 and 5



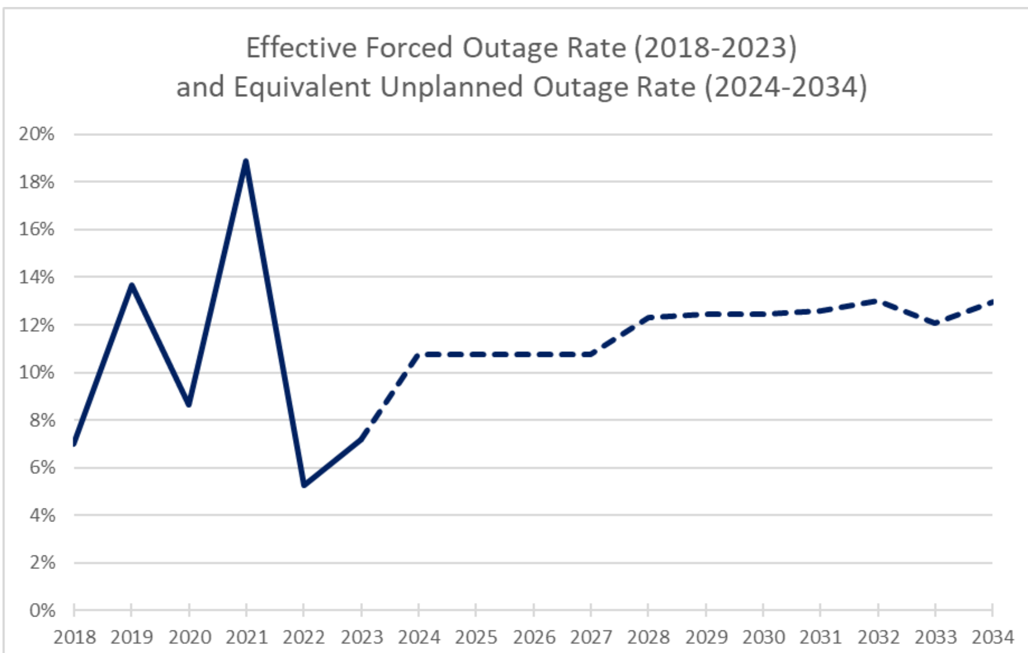
Source: EIA Form 923 and DEF Responses to SC ROG 1-7 (Ex. RA-2).

[1] Energy Information Agency. Form 923.
[2] DEF Response to SC ROG 1-7(d) (Ex. RA-2).

Q How reliable has Crystal River North been in recent years, and how reliable are the Units expected to be in the future?

A As shown in Figure 2 below, Crystal River North Units 4 and 5 have a combined effective forced outage rate that has ranged from about 5 percent to about 19 percent over the last five years.[3] This upper range is above the Company's projected future outage rates, which range between 11 and 13 percent over the next decade, with an increase in expected forced outages as the plant approaches retirement.[4]

Figure 2. Forced Outage Rate at Crystal River North



Source: DEF Responses to SC ROGs 1-6(i) and 1-7(g),(h) (Ex. RA-2).

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[3] DEF Response to SC ROG 1-6(i) (Ex. RA-2).
[4] DEF Response to SC ROG 1-7(g), (h) (Ex. RA-2).

Q What is the Company's plan for the retirement of Crystal River North?

A The Company's 2024 Ten-Year Site Plan states that Crystal River Units 4 and 5 will be retired in 2034.[5]

Q What analysis has the Company performed to support the 2034 retirement date?

A In 2020, DEF performed an economic analysis of Crystal River North retirement dates. The Company compared a 2042 retirement with 2034, 2029, and 2026 retirement dates for units at Crystal River North and evaluated replacement of the units with conventional generation and with solar and battery storage.[6] The 2020 study found that the 2034 retirement would reduce risks to customers associated with fuel price volatility and environmental regulation relative to a 2042 retirement, while allowing time for the construction of replacement resources.[7] Subsequently, the 2034 retirement date was included in the 2021 rate case settlement.[8] DEF acknowledges that it has not conducted any new retirement analysis since that 2020 study.[9] As explained in greater detail below, economic conditions and new environmental regulations have made the continued operation of Crystal River North coal units a riskier and costlier proposition for DEF's customers.

[5] DEF Ten-Year Site Plan at 3-49 (Apr. 2024) [hereinafter "DEF 2024 TYSP"] (Ex. RA-3).
[6] DEF Response to SC ROG 1-1 and 1-2. (Ex. RA-2); *see also* DEF Response to Sierra Club Request for Production of Documents ("SC POD") 1-4, attach. "CRN Presentation for 12152020", Bates Nos. 20240025-SIERRACLUBPOD1-00000066-105 (Ex. RA-4).
[7] DEF Response to SC ROG 1-1 and 1-2 (Ex. RA-2).
[8] DEF Response to SC ROG 1-1 (Ex. RA-2).
[9] DEF Response to SC ROG 1-1 (Ex. RA-2).

4. COMPANY REQUESTS FOR CRYSTAL RIVER NORTH IN THIS RATE CASE

Q What is DEF requesting in this docket related to Crystal River North?

A DEF is requesting to recover the costs of operating and maintaining these units in each of the 2025, 2026, and 2027 Test Years, including additional ongoing capital expenditures ("capex") and O&M spending.[10]

Q Please discuss the level of capital expenditure DEF is requesting for Crystal River North in this rate case.

A In response to discovery questions regarding the amount of capital expenditure included in rate base for Crystal River North, the Company provided data on total Plant in Service, which represents the total value of all of the assets at a plant.[11] My review of the Plant in Service data provided by the Company indicates that Plant in Service total for Crystal River North in 2025 is expected to be $34 million higher than Plant in Service for Crystal River North at the beginning of 2024.[12] This implies the addition of around $34 million in capex in 2024. This is consistent with DEF's historical capex at Crystal River North, which was around $30 million annually from 2019 through 2023.[13]

[10] DEF Minimum Filing Requirements, Schedule B-8, Monthly Plant Balances Test Year – 13 Months.
[11] DEF Response to SC ROG 1-3(a), 3-76(c) (Ex. RA-2).
[12] DEF Response to SC ROG 1-3(a), 1-5 (Ex. RA-2).
[13] DEF Response to SC ROG 1-6(n) (Ex. RA-2).

Q Please discuss the O&M requested for recovery in this rate case.

A DEF is requesting about $47 million in non-fuel O&M spending in the 2025 and 2026 Test Years, and about $45.5 million in the 2027 Test Year.[14] This reflects an increase of 46 percent above historical O&M spending at the plant, which has been $31.4 million a year on average from 2018 through 2023.[15] DEF should explain the reason for this increase in O&M spending in its rebuttal testimony, or its revenue requirement should be revised downward to more closely match historical spending.

Q How might an earlier retirement date for Crystal River North affect the numbers in these rate case requests, and why is it important for DEF to support its requests with an up-to-date retirement evaluation?

A In this rate case, Crystal River North's retirement date is relevant because utilities typically ramp down spending in the last years of a coal plant's life. DEF should consider such a decrease in spending when it calculates its test year spending as part of a rate case. Notably, coal plant economics have changed since the last time DEF evaluated Crystal River North's retirement dates, which was in 2020. Given the new environmental rules discussed in Section 5 of my testimony, and the results of my economic analysis of Crystal River North in Section 6 of my testimony, I find that the Company has substantial reasons to evaluate retiring Crystal River North before 2034.

If Crystal River North were retired in 2030, for example, DEF might have an opportunity to save money for its ratepayers by reducing its level of spending in the 2025, 2026, and/or 2027 test years, as the plant approaches its end of life.

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[14] DEF Response to SC ROG 1-4 (Ex. RA-2).
[15] DEF Supplemental Response to SC ROG 1-6(j), (k) (Ex. RA-2).

DEF's revenue requirement in these test years could be reduced accordingly. However, because DEF has not performed a recent study of early retirement for Crystal River North, it is not possible to know whether the Company's requested level of spending at Crystal River North is justified. DEF's O&M spending projections for Crystal River North in this rate case could be unreasonably high due to the Company's reliance on an outdated 2020 retirement study.

Q Does the Company provide any support in this rate case for its ongoing spending at Crystal River North or its selection of a 2034 retirement date for those units?

A No. DEF appears to rely exclusively on its 2020 study. DEF's testimony and other filed materials in this rate case do not appear to provide any support for the level of ongoing spending at Crystal River North that DEF is projecting. In response to discovery requests regarding the basis for the planned 2034 retirement date, the Company referred to its 2020 analysis of Crystal River North retirement dates, and confirmed that it has not performed a new study of the retirement timing for Crystal River North since then.[16] However, that 2020 analysis is out of date. There have been key market and regulatory changes, including new incentives for clean energy resources made available under the Inflation Reduction Act, volatility in fossil fuel markets, and new U.S. Environmental Protection Agency ("EPA") regulations impacting coal-fired power plants, including new EPA greenhouse gas standards for coal-burning power plants. All of these factors likely render obsolete the 2020 retirement study for Crystal River North.

[16] DEF Response to SC ROG 1-1 (Ex. RA-2).

5. Early Retirement of Crystal River North

Q Why should DEF evaluate retirement of these units earlier than 2034?

A First, the U.S. EPA recently finalized greenhouse gas standards, which will require coal generators to install equipment to reduce greenhouse gas emissions if they plan to retire after 2032.[17] Under the rule, existing coal plants that do not retire by 2032 must reduce emissions consistent with 40 percent co-firing on gas (a 16 percent reduction in emission rate) by 2030.[18] Accordingly, in order to keep operating until the planned 2034 retirement date, DEF would be required to retrofit Crystal River North to co-fire on gas by 2030.[19] Not only would gas co-firing increase the capital investment needed to keep the plant going, it would also expose the Company to the volatility of gas markets, which have experienced supply disruptions and price increases in recent years. As an alternative, DEF could move Crystal River North's retirement date earlier to avoid all compliance costs associated with the greenhouse gas rule. This would avoid several years of fixed and variable O&M costs, coal price risks, and regulatory risks associated with Crystal River North.

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[17] New Source Performance Standards for Greenhouse Gas Emissions From New, Modified, and Reconstructed Fossil Fuel-Fired Elec. Generating Units; Emission Guidelines for Greenhouse Gas Emissions From Existing Fossil Fuel-Fired Elec. Generating Units, 89 Fed. Reg. 39798 (May 9, 2024).

[18] *Id*. at 39838.

[19] *See* U.S. EPA, *Final Carbon Pollution Standards to Reduce Greenhouse Gas Emissions from Power Plants* at 6 (Apr. 25, 2024), *available at* https://www.epa.gov/system/files/documents/2024-04/cps-presentation-final-rule-4-24-2024.pdf. (Exhibit RA-8).

Q Will DEF face any resource adequacy concerns if it retires Crystal River North in 2030?

A No, DEF can maintain a 20 percent capacity reserve margin (that it is currently required to meet) and high level of reliability discussed in its Ten-Year Site Plan by procuring replacement capacity and energy for Crystal River North by 2030. For example, if the Company maintained some or all of its 1,422 MW of contracted winter capacity imports,[20] then it would likely not need any other new capacity resources to safely retire Crystal River North early. Alternatively, the Company could seek new capacity contracts, procure new battery storage or other firm capacity resources through an RFP, or advance planned capacity acquisitions by a few years.

Utilities regularly issue RFPs for resources with online dates one to five years in the future.[21] A 2030 retirement would provide the Company with time to ensure it has adequate capacity and energy to replace Crystal River North.

6. CRYSTAL RIVER NORTH ECONOMIC ANALYSIS

Q How have Crystal River North's operating costs compared to the value the plant has provided to the DEF system in recent years?

A Based on the Company's own data, I find that the net value of Crystal River North has been decreasing since 2018, as explained below. Coal fuel costs have

[20] DEF 2024 TYSP at 3-8 (Ex. RA-3).
[21] Portland Gen. Elec., *Procuring Clean Energy* (2023), *available at* https://portlandgeneral.com/about/who-we-are/resource-planning/procuring-clean-energy; PacifiCorp, *2022 All-Source RFP* (Apr. 3, 2024), *available at* https://www.pacificorp.com/suppliers/rfps/2022-all-source-rfp.html.

increased on an average dollar per megawatt-hour ("MWh") basis, while Crystal River North's capacity factor has decreased.

Q Explain the methodology you used to develop this historical analysis.

I used public data, as well as data provided by the Company in discovery, to calculate the cost and estimate the value of Crystal River North between 2018 and 2023. To estimate energy value, I used average values for energy purchases that DEF has made over the last six years.[22] For capacity value, I used the weighted average price of the two largest contracts the Company currently has with third parties for capacity.[23] These estimates are meant to serve as proxies for the cost of replacement energy and capacity. Further, I use the Company's historical data for fuel costs, O&M costs, and capital costs.[24] I net the generator costs and value to find the historical net value (or cost) for each year.

Q How is Crystal River North projected to perform going forward?

A My analysis suggests that the energy and capacity from Crystal River North can be cost-effectively replaced with energy from solar generators and capacity from bilateral contracts at any time (Figure 3). In fact, according to my analysis, the net present value ("NPV") cost of keeping Crystal River North online past 2029 is about $94 million in 2023 dollars. In my analysis, the value of these coal units for customers is negative in nearly every year through 2034.

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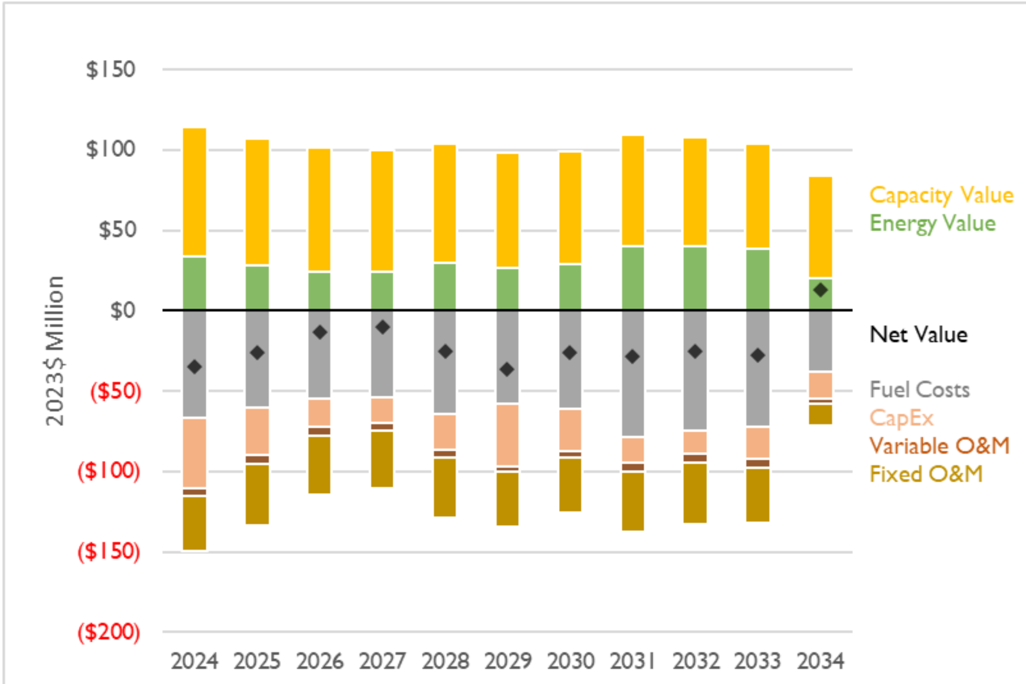
[22] DEF Response to SC ROG 1-26(a), attach. "SC ROG 1-26a-b Annual Off System Energy Purchases_Sales 2018-2023", Bates No. 20240025-SIERRACLUBROG1-00000025 (Ex. RA-2).
[23] DEF Response to SC ROG 1-24, attach. "Sierra Club Interrogatory 1-24", Bates No. 20240025-SIERRACLUBROG1-00000022 (Ex. RA-2).
[24] DEF Response to SC ROG 1-6(l), (n) (Ex. RA-2).

Figure 3. Projected Performance of Crystal River North



Source: DEF Response to SC ROG 1-7, attach. "SC ROG 1-7(a-h_k) Crystal River Units 4_5 Forecasted Generation_Fuel Costs 2024-2034", Bates No. 20240025-SIERRACLUBROG1-0000001, attach. "SC ROG 1-7(m) CRN U4 U5 Investments 2024-2027", Bates Nos. 20240024-SIERRACLUBROG1-00000002-3, attach. "Sierra Club ROG 1 - Q7 i and j", and attach. "Sierra Club Interrogatory 1-24", attach. Bates No. 20240025-SIERRACLUBROG1-00000022); Lawrence Berkeley Lab'y, Photovoltaic PPA Prices, available at https://emp.lbl.gov/pv-ppa-prices (last visited June 10, 2024).

Q Explain the methodology you used to develop this prospective analysis.

A I used public data, as well as data provided by the Company, to compare the energy and capacity value of Crystal River North to forecast costs at Crystal River North from 2024 to 2034.

For a capacity value forecast, I used the costs of capacity contracts the Company currently has with third parties to replace the capacity of Crystal River North.[25] For an energy value forecast, I used data on the average actual costs of solar power purchase agreements ("PPAs") in the Southeast from 2019 through 2023.[26] I included enough solar energy to replace the average expected annual generation at Crystal River North of 1,700 gigawatt-hours ("GWh") per year. This is equivalent to 815 MW of solar with a 22 percent annual capacity factor. I used solar energy as a replacement resource because it is a clean and low-cost source of energy that is not subject to emissions-related regulatory risk or fuel price risk.

For variable and fixed O&M, coal fuel costs, and forecast annual generation, I used cost data provided by DEF in discovery.[27] For the capital expenditure forecast, I used historical spending levels[28] because the forecast provided by the Company was substantially lower than historical spending and did not appear to be a realistic forecast, as explained further below (on page 24).

I netted the generator costs and the generator value to find the forecast net value (or cost) of the plant for each year.

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[25] DEF Response to SC ROG 1-24, attach. "Sierra Club Interrogatory", Bates No. 20240025-SIERRACLUBROG1-00000022 (Ex. RA-2).

[26] Lawrence Berkeley Lab'y, *Photovoltaic PPA Prices*, *available at* https://emp.lbl.gov/pv-ppa-prices (last visited June 10, 2024).

[27] DEF Response to SC ROG 1-7, attach. "SC ROG 1-7(a-h_k) Crystal River Units 4_5 Forecasted Generation_Fuel Costs 2024-2034," Bates No. 20240025-SIERRACLUBROG1-0000001, attach. "SC ROG 1-7(m) CRN U4 U5 Investments 2024-2027," Bates Nos. 20240024-SIERRACLUBROG1-00000002-3, attach. "Sierra Club ROG 1 - Q7 i and j" (Ex. RA-2).

[28] DEF Response to SC ROG 1-6(n) (Ex. RA-2).

Q **PPA prices have increased in recent years. Why does your analysis use an average cost that is lower than the most recent cost data available for solar PPAs in the Southeast?**

A It is true that in recent years, solar PPA costs in the Southeast have increased, likely due to increased demand and various supply constraints. However, DEF does not need to sign a PPA with a third party to procure solar energy. The Company can build large-scale solar projects and earn an authorized rate of return. This should keep costs closer to the actual cost of a solar project and prevent the Company from paying any excessively high solar PPA costs.

In my analysis, a $25.16/MWh value is used as a proxy for the cost to DEF of procuring a large-scale solar project. This is the average solar PPA price in the Southeast based on data from Lawrence Berkeley Laboratory for 2019 through 2023. For comparison, the levelized cost of solar, inclusive of the value of Inflation Reduction Act tax credits, is now expected to be between $19 and $23 per MWh in 2028.[29]

Q **Why do you use historical capex costs in your forecast instead of using the forecast provided by DEF?**

Since 2018, capital spending has been about $37 million per year on average at Crystal River North.[30] From 2024 to 2028, DEF projects that its capital spending will promptly decrease to about $14 million per year on average beginning in

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[29] U.S. Energy Info. Admin., *Levelized Costs of New Generation Res. in the Annual Energy Outlook 2023* at 8, *available at* https://www.eia.gov/outlooks/aeo/electricity_generation/pdf/AEO2023_LCOE_report.pdf.
[30] DEF Response to SC ROG 1-6(n) (Ex. RA-2).

2024.[31] It is not totally clear why DEF provided a capex forecast that is about 60 percent lower on average than historical costs. However, based on the Company's response to discovery, it appears that DEF's "projection" of capex spending includes only the amount of Construction Work in Progress ("CWIP") from this rate case, and does not actually reflect the amount the Company is likely to spend on capex at Crystal River North.[32] Given that the Company's projected capital costs deviate significantly from historical spending, and given that the Company's projected capex appears to only include CWIP and not any other capital, I found that the historical cost data was likely to be most representative of the Company's spending in future years. Further, using the Company's forecast of capex on a going-forward basis through 2034 would not change my findings that Crystal River North is operating at a net cost to customers.

Q What do you conclude from your findings about the economics of continuing to operate Crystal River North?

A My analysis suggests that the continued operation of Crystal River North is not in the best interest of DEF customers. Retirement of Crystal River North in any year before 2034 would reduce net costs by preventing future spending on O&M and capex, by replacing any needed energy and capacity at lower cost, and by reducing the risk of incurring additional costs from compliance with future environmental regulations. If there were no other major capital projects required at the plant, the savings to ratepayers from retiring Crystal River North in 2030 would be about $94 million.

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[31] DEF Response to SC ROG 1-7, attach. "SC ROG 1-7(m) CRN U4 U5 Investments 2024-2027", Bates Nos. 20240024-SIERRACLUBROG1-00000002-3 (Ex. RA-2).
[32] *See* DEF Response to League of United Latin Am. Citizens of Fla. ("LULAC") ROG 1-10(a); *See also* DEF Response to Off. of Pub. Counsel ("OPC") POD 1-7, attach. "B-13 CWIP – REDACTED.xlsx", tab "UI – Additions" (Ex. RA-5).

Q How does the EPA's recently finalized Clean Air Act greenhouse gas rule affect the results of your analysis?

A As noted above, EPA's greenhouse gas rule requires coal generators retiring after 2032 and before 2039 to meet a carbon dioxide emissions standard equivalent to emissions from 40 percent co-firing with gas by 2030.[33] The cost of this upgrade will likely be about $72 million.[34] When this estimated cost of gas co-firing conversion in 2030 is included in my analysis, the NPV savings of closing the plant in 2030, and avoiding the investment in the conversion, increases to $155 million.

7. RISKS OF KEEPING CRYSTAL RIVER NORTH ONLINE THROUGH 2034

Q Explain the risks of DEF continuing to operate its coal plant at Crystal River North.

A Operating a coal plant carries fuel price and regulatory risks. Fuel prices can vary unexpectedly, increasing costs for customers due to factors outside the Company's control. Because coal plants have emissions that are subject to regulation, they risk hefty environmental compliance costs to meet environmental regulations that limit emissions and pollutants. In addition, fossil fuels can be subject to global market forces, such as was seen with gas prices during the onset of the 2022 war in Ukraine. The domestic coal industry has also faced challenges

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[33] U.S. EPA, *Final Carbon Pollution Standards to Reduce Greenhouse Gas Emissions from Power Plants* at 6 (Apr. 25, 2024), *available at* https://www.epa.gov/system/files/documents/2024-04/cps-presentation-final-rule-4-24-2024.pdf. (Exhibit RA-8).

[34] Sargent & Lundy, *Nat. Gas Co-Firing Memo* at 15 (Mar. 2023), *available at* https://www.epa.gov/system/files/documents/2024-04/attachment-5-11-natural-gas-co-firing-methodology.pdf.

to meet demand, given changing market conditions. This may result in higher coal prices going forward.

Q Explain the risks posed to ratepayers by fuel price volatility.

A Continuing to operate Crystal River North will expose DEF customers to fuel price risk, whether or not the Company retrofits the plant to co-fire on gas. Resources that require fuel to operate, such as coal and gas generators, are subject to fuel price risk throughout their lifetimes. Although coal can be stored on site to hedge against price volatility, fuel storage capacity is finite and carries a cost. In addition, supply is limited in some parts of the country. Coal prices are often subject to multi-year contracts, so their volatility tends to be lower in the short term, whereas gas prices can vary greatly by the day. Hedging can be used to manage volatility in the gas market, but comes at a cost premium.

Q Explain the risks posed to ratepayers from continued reliance on coal.

A The coal market has seen dramatic price volatility in some parts of the United States over the past few years.[35] There have also been labor challenges both at the mines and the railroad companies that transport the coal. Additionally, as more coal plants across the United States retire and the demand for coal decreases, this trend, combined with labor challenges, could result in consolidation or bankruptcy among coal companies and subsequently higher coal prices.[36]

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[35] U.S. Energy Info. Admin., *Coal Mkts.* (June 10, 2024), *available at* https://www.eia.gov/coal/markets/.

[36] Duke Energy, *Carolinas Res. Plan, App. F: Coal Retirement Analysis* (2023), *available at* https://www.duke-energy.com/-/media/pdfs/our-company/carolinas-resource-plan/appendix-f-coal-retirement-study.pdf?rev=4c1c4df441a14248b2e23ba0368d9855.

Coal use was down in 2023 and never reached more than 20 percent of power market share (through October).[37] This is novel because market share had been around 20 percent each month between 2020 and 2022, and prior to 2020, coal had never comprised less than a 20 percent market share in any month.[38] Additionally, increased environmental regulation could result in higher costs and higher risks. Higher regulatory risk impacts not just resource planning economics, but also company risk profiles, which can lead to downgraded credit ratings and impact access to capital.

Additionally, break-downs of parts and a lack of continued support from manufacturers based on the old age of coal plant technology can result in sustained outages and challenges in quickly repairing units and getting them back online.

8. UNDEPRECIATED PLANT BALANCE AND THE ENERGY INFRASTRUCTURE REINVESTMENT PROGRAM

Q Please summarize your findings regarding undepreciated plant balance and the EIR.

A As I have shown above, early retirement of Crystal River North will provide benefits to customers. Strictly accelerating depreciation of the balance to align the book life with an earlier economic retirement date for the plant, though, may result in rate shock to customers. Fortunately, there are other tools and

[37] Seth Feaster, *Coal Use at U.S. Power Plants Continues Downward Spiral; Full Impact on Mines to be Felt in 2024*, Inst. for Energy Econ. and Fin. Analysis (Nov. 2, 2023), *available at* https://ieefa.org/resources/coal-use-us-power-plants-continues-downward-spiral-full-impact-mines-be-felt-2024.
[38] *Id.*

alternatives utilities can use to manage and mitigate the impacts to ratepayers, as I will discuss below.

Q Please describe the approximate effect on DEF's annual revenue requirement of accelerating the Crystal River North depreciation end date from 2034 to 2030 without any other efforts to manage ratepayer impacts.

As of 2024, the undepreciated book value of Crystal River North is approximately $1.3 billion.[39] Changing the depreciation end date from 2034 to 2030 would accelerate and shorten the plant's depreciation schedule and bring forward some of those costs. Because customers would need to pay these costs sooner instead of later, the present value revenue requirement ("PVRR") would increase. This would reduce the direct benefits of early retirement, but would not offset the benefits to customers of reduced fuel price volatility and regulatory risks.

Accelerated depreciation is a fairly typical way to deal with cost recovery when a retirement date is moved forward. But because of the impact on customers, utilities often utilize other methods to mitigate the impacts of accelerated depreciation from an early retirement.

Q What potential methods are there to reduce the impacts of accelerated depreciation?

A The impacts of accelerated depreciation can be reduced through the use of a regulatory asset or through EIR funding.

A regulatory asset is sometimes used to recover a retiring plant's undepreciated balance using a somewhat longer timeframe than the plant's operational lifetime.

[39] DEF Response to SC ROG 1-5 (Ex. RA-2).

For example, Crystal River North could be retired in 2030, while its plant balance is recovered in a regulatory asset through 2032. Because customers have longer to pay off the plant balance, the rate impact of acceleration is decreased. For example, Southwestern Electric Power Company has a regulatory asset for the Balance of the Dolet Hills Power Plant.[40]

As I will describe in more detail below, the U.S. DOE's EIR program can allow a plant balance to be recovered over a longer timeframe and at a lower rate of return, and this should not require approval from a state legislature.

Q Please provide a general overview of the EIR program.

A The EIR program, established under the Inflation Reduction Act, provides DOE with $250 billion in loan authority that it can deploy to "retool, repower, repurpose, or replace" fossil infrastructure.[41] The loans are available at just above the federal government's cost of borrowing with repayment periods of up to 30 years—which means they offer a significantly cheaper method of financing the undepreciated balance of coal plants than accelerated depreciation or the use of a regulatory asset.[42] Per statute, utilities are required to pass through the savings enabled under the EIR to their customers.[43]

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[40] Tex. Pub. Util. Comm'n Order, Control No. 51415, Item No. 705.
[41] U.S. Dep't of Energy, Loan Programs Off., *Program Guidance for Title 17 Clean Energy Fin. Program* at 7 (May 19, 2023), *available at* https://www.energy.gov/lpo/articles/program-guidance-title-17-clean-energy-program#page=1 [hereinafter "U.S. DOE, Loan Programs Off., *Programs Guidance for Title 17 Clean Energy Fin. Program*"].
[42] *Id.* at 8.
[43] U.S. Dep't of Energy, Loan Programs Off., *Energy Infrastructure Reinvestment, available at* https://www.energy.gov/lpo/energy-infrastructure-reinvestment (last visited June 10, 2024).

EIR loans are intended to finance investment in replacement generation capacity, distribution upgrades, or other investments that can help enable greenhouse gas emission reductions. And while the total loan amount is capped at 80 percent of the replacement project cost, the funding can be used to both lower the project costs for replacement resources and address legacy asset plant balances. In other words, the loans can be used to refinance the outstanding asset balances of existing legacy coal units.[44]

Q How might the EIR program help customers avoid the increased revenue requirement from accelerated depreciation?

A The EIR program provides low-cost loans for utilities that have plans to retire fossil fuel assets and replace them with clean energy.[45] The low cost of capital can help reduce the costs of new resources. The loans may potentially also be used to refinance plant balances—moving some of the plant balance to a dedicated surcharge financed at a lower rate and recovered over a longer timeframe—and thus avoid the cost increase associated with accelerated depreciation for customers.

[44] Christina Fong et al., *The Energy Infrastructure Reinvestment Program: Fed. Fin. for an Equitable, Clean Econ,* RMI (Feb. 16, 2024), *available at* https://rmi.org/the-energy-infrastructure-reinvestment-program-federal-financing-for-an-equitable-clean-economy/ [hereinafter "Christina Fong et al., *The Energy Infrastructure Reinvestment Program: Fed. Fin. for an Equitable, Clean Econ*"].

[45] U.S. DOE, Loan Programs Off., *Programs Guidance for Title 17 Clean Energy Fin. Program* at 6.

Q Approximately how much might the EIR save customers if it were used to help fund the replacement of Crystal River North with renewable energy?

A A recent analysis by the Rocky Mountain Institute looks at a similar utility procurement and retirement scenario to the one that DEF customers are facing.[46] The analysis finds that an EIR loan, combined with a dedicated rate surcharge to help support early retirement and replacement, could avoid the effects of accelerated depreciation and save an additional $123 million or more for ratepayers.[47] Based on this, I believe that the EIR program has the potential to deliver a similar level of savings to DEF ratepayers if the Company submits an application and uses an EIR loan to facilitate the retirement and replacement of Crystal River North.

Q Please further explain the savings that could be achieved using EIR funding.

A The Rocky Mountain Institute study referenced above examines a case study of Alliant Energy's retirement of a coal asset and replacement with renewable energy in Iowa. Alliant's resource plan has a similar cost to the approximately 815 MW of solar that would be needed to replace the energy of Crystal River North. There are two potential ways to use the EIR program to support a retirement and replacement plan similar to Alliant's.

The first approach to using EIR funding to support Alliant's plan would be to use low-cost EIR funding to finance 20 percent of the renewable additions and create a dedicated rate surcharge for customers to repay the loan. This example assumes

[46] Christina Fong et al., *The Energy Infrastructure Reinvestment Program: Fed. Fin. for an Equitable, Clean Econ.*
[47] *Id.*

that Alliant finances only 20 percent of its planned $855 million investment in new renewables through EIR, while the EIR program can potentially cover up to 80 percent of project costs.[48] Financing 20 percent of new renewables through the EIR program would allow Alliant to earn its usual rate of return on 80 percent of the new renewable investment, and customers would save $57 million after transaction costs.[49] This is a cautious estimate of potential customer benefits because it does not maximize the amount of the EIR loan.

The second approach increases customer benefits by also using EIR funding to address some of the undepreciated plant balance at a retiring coal plant. Alliant's Lansing plant is estimated to have a $256 million undepreciated balance. By adding this amount to Alliant's EIR loan, the Lansing undepreciated balance could be removed from the utility's books and recovered through a dedicated surcharge financed at EIR loan rates and recovered over up to 30 years. The total EIR loan amount would still be less than 80 percent of new project costs, as required, and the utility would still earn a rate of return on 80 percent of the new capital investment. However, ratepayers would enjoy up to 30 years to repay the EIR loan at a lower interest rate, instead of paying increased costs from accelerated depreciation. Total customer savings for Alliant from using EIR funding in this way would be $123 million.[50]

DEF could realize a similar amount of savings by using the EIR to fund the earlier retirement of Crystal River and its replacement with alternatives. In addition to the $155 million in benefits from 2030 retirement of Crystal River that I estimate

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[48] U.S. DOE, Loan Programs Off., *Programs Guidance for Title 17 Clean Energy Fin. Program* at 9.
[49] *Id.*
[50] Christina Fong et al., *The Energy Infrastructure Reinvestment Program: Fed. Fin. for an Equitable, Clean Econ*.

in my economic analysis above, adding this conservative estimate of $123 million in additional savings from the EIR program would result in a total customer benefit of about $278 million.

Q Has DEF applied for EIR funding or evaluated the potential to utilize funding from the EIR program to finance replacement resources or refinance undepreciated plant balances?

A No. DEF has not applied for EIR funding and currently has no plans to do so.[51] DEF has also not conducted any analysis of the potential benefits from the EIR program.[52]

Q What is your recommendation regarding EIR funding?

A DEF should use EIR funds to reduce the costs of new renewable generation and re-finance a portion of the Crystal River North plant balance. To begin this process, DEF should submit an application to DOE's Loan Program Office for EIR funding. The Commission should direct DEF to evaluate potential funding from the EIR program and apply for funding.

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[51] DEF response to SC ROG 4-95 (Ex. RA-2).
[52] *Id.*

9. <u>WINTER CAPACITY CONTRIBUTION OF SOLAR</u>

Q Please describe the Company's winter capacity position now and through 2030.

A DEF currently has a 37 percent winter capacity reserve margin.[53] This is much higher than the 20 percent reserve margin that DEF agreed to adopt in a 1999 Stipulation.[54] The Company's winter reserve margin is expected to decrease gradually to 23 percent by 2030 as its demand grows and some resources are removed from service.[55]

Q How does DEF calculate its winter reserve margin?

A The winter reserve margin in the Company's TYSP appears to be calculated based on a comparison of the Company's forecast peak winter load to the amount of firm resource capacity available each winter in the EnCompass model's capacity expansion run. The reserve margin is the amount of excess capacity expected to be available above the forecast peak load.

Q Please discuss the EnCompass model planning exercise in the TYSP.

A In the TYSP, DEF uses the EnCompass model to develop a portfolio of planned resources to meet system needs over the next ten years.[56] The model is designed to create a portfolio that meets system needs reliably at the lowest cost. DEF

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[53] DEF 2024 TYSP at 3-8 (Ex. RA-3).
[54] Order No. PSC-99-2501-S-EU. Attachment A at 2.
[55] DEF 2024 TYSP at 3-8 (Ex. RA-3).
[56] DEF 2024 TYSP at 3-48 (Ex. RA-3).

states that EnCompass is given a 20 percent reserve margin requirement.[57] DEF states that the 20 percent reserve margin typically results in an EnCompass portfolio that meets a high reliability standard without further resource additions.[58] This indicates that a 20 percent reserve margin is generally more than adequate for planning a reliable system for DEF.

Q How does DEF treat the winter capacity contribution of solar in its EnCompass modeling and reserve margin calculation?

A DEF assumes that the firm capacity contribution of solar resources is zero in the winter.[59] However, DEF has not performed any analysis to support that assumption.[60] That means that even if solar facilities help DEF meet demand during some peak winter hours, the solar in DEF's modeling and reporting will receive no credit for the capacity value it provides.

Q What reason might DEF have for using a zero value for capacity contribution of solar?

A DEF may be using a zero value for solar winter capacity contribution in part because the Florida Reliability Coordinating Council ("FRCC") says that for

[57] DEF 2024 TYSP at 3-47 (Ex. RA-3).
[58] *Id.*
[59] Benjamin Borsch Deposition Transcript Vol. 2 (May 30, 2024) at 159:11-14 (Ex. RA-6); Reginald Anderson Deposition Transcript Vol. 2 (May 24, 2024) at 171:13-16 (Ex. RA-7); DEF Response to SC ROG 30, attachment "SC ROG-1 Q30 Excel" at 5, Bates No. 20240025-SIERRACLUBROG1-00000033 (Ex. RA-2).
[60] Borsch Deposition Transcript Vol. 2 (May 30, 2024) at 161:12-16.

winter, solar typically receives no firm capacity value.[61] It is not clear that DEF or the FRCC have done any analysis to show that solar has no capacity contribution in winter. It may be a simplifying assumption used for convenience. And the FRCC notes the need for ongoing study, stating, "This firm capacity contribution from solar will continue to be monitored as solar becomes a larger and larger part of FRCC member company's resource mix[.]"[62]

This lack of analysis by DEF is concerning, especially since the Company's sister utilities, Duke Energy Progress and Duke Energy Carolinas, hired Astrapé to conduct an Effective Load Carrying Capability ("ELCC") study as part of their most recent IRP process.[63] This study found a winter solar capacity value of between 6.1 and 3.4 percent based on the unique characteristics of that system.[64] DEF should utilize the same level of rigor in its resource planning in Florida that Duke Energy uses elsewhere in the country.

Q What evidence do you have that solar does have some winter capacity contribution?

A DEF Witness Benjamin Borsch noted that solar likely provides 2-3 percent of capacity contribution in the winter—yet Duke assumes a capacity contribution of

[61] Florida Reliability Coordinating Council, 2022 Load & Resource Reliability Assessment Report, FRCC-MS-PL-397, at 28, available at: https://www.floridapsc.com/pscfiles/website-files/PDF/Utilities/Electricgas/TenYearSitePlans/2022/FRCC_Presentation.pdf.
[62] *Id.*
[63] Duke Energy Carolinas and Duke Energy Progress Effective Load Carrying Capability (ELCC) Study, Astrapé Consulting (April 25, 2022), available at: https://starw1.ncuc.gov/NCUC/ViewFile.aspx?Id=9713b7f8-ebc3-4b97-ac34-154d65df98cf. (Exhibit RA-10).
[64] *Id.* at 10.

zero percent.[65] Additionally, as mentioned above, the results from Duke's ELCC study in the Carolinas indicate that utilities in the southeastern United States have found solar to have a small but meaningful winter capacity contribution.

This is relevant because by 2034, DEF expects to have more than 6,100 MW of solar online.[66] If this solar provides a 2 percent capacity contribution, giving it proper credit for this contribution could reduce DEF's winter capacity need by about 122 MW. At an approximate cost of $1,422/kW for new capacity, that is equivalent to potentially saving customers $174 million in installed costs alone.[67]

Q What do you recommend regarding winter capacity?

A I recommend that DEF perform or commission an ELCC study of the capacity contribution of solar, including during winter. A rigorous analysis would likely reduce the amount of incremental capacity that DEF needs to meet its 20 percent reserve margin. It will also potentially save ratepayers millions of dollars by avoiding procuring capacity that they do not need to reliably serve load.

Q Does this conclude your testimony?

Yes.

[65] Borsch Deposition Transcript (May 30, 2024), Vol. 2, at 160:14-161:11 (Ex. RA-6).
[66] DEF 2024 TYSP at 1 (Ex. RA-3).
[67] DEF 2024 TYSP at 3-31 (Ex. RA-3).

Exhibit RA-1:

Resume of Rose Anderson

Rose Anderson, Principal Associate

Synapse Energy Economics I 485 Massachusetts Avenue, Suite 3 I Cambridge, MA 02139 I 617-812-1573
randerson@synapse-energy.com

PROFESSIONAL EXPERIENCE

Synapse Energy Economics Inc., Cambridge, MA. *Principal Associate*, September 2023 – Present.

- Provide research and analysis on integrated resource planning.
- Assess the economics of generation resources compared to alternatives and market purchases.
- Write expert testimony on power plant economics and integrated resource planning.

Oregon Public Utility Commission, Salem, OR. *Senior Economist,* October 2019 – September 2023; *Senior Renewables Analyst,* May 2018 – October 2019, *Utility Analyst,* September 2016 – May 2018.

Senior Economist:

- Prepared written comments and testimony.
- Lead OPUC staff review of utility Integrated Resource Plans (IRP) and resource acquisition proceedings.
- Evaluated utility production cost and capacity expansion modeling.
- Mentored OPUC staff regarding resource economics and best practices for review of utility filings.

Senior Renewables Analyst:

- Prepared written comments and testimony.
- Lead staff review and critical analysis of utility IRPs.
- Analyzed IRP modeling assumptions.
- Developed Excel model of rate impacts.

Utility Analyst:

- Reviewed and analyzed utility rate filings and workpapers for compliance.
- Prepared testimony in rate case and power cost filings.
- Reviewed utility production cost modeling inputs/outputs/workpapers.
- Lead and participated in review of power cost filings.

McCullough Research, Portland, OR. *Research Associate*, June 2013 – January 2015.

- Acquired, cleaned, and analyzed energy data sets in MS SQL and Excel.
- Researched nuclear energy and presented findings in a report.
- Analyzed bidding data from the MISO market.

EDUCATION

University of California, Davis. Davis, California
Master of Science in Agricultural and Resource Economics, 2016

University of Puget Sound, Tacoma, Washington
Bachelor of Arts in International Political Economy, 2007

PUBLICATIONS AND PRESENTATIONS

Public Utilities Commission of Nevada (Docket No. 23-08015): Direct Testimony of Rose Anderson on behalf of Sierra Club. December 19, 2023.

Oregon Public Utility Commission (Docket No. LC 79): Final Comments regarding NW Natural's 2021 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. March 30, 2023.

Oregon Public Utility Commission (Docket No. LC 79): Opening Comments regarding NW Natural's 2021 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. December 30, 2022.

Oregon Public Utility Commission (Docket No. LC 77): Final Comments and Staff Report regarding PacifiCorp's 2021 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. February 11, 2022.

Oregon Public Utility Commission (Docket No. LC 77): Opening Comments regarding PacifiCorp's 2021 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. December 3, 2021.

Oregon Public Utility Commission (Docket No. UM 2059): Staff Report regarding PacifiCorp's Application for Approval of its 2020 Request for Proposal. On behalf of Oregon Public Utility Commission Staff. October 6, 2021.

Oregon Public Utility Commission (Docket No. UM 2059): Comments regarding PacifiCorp's Application for Approval of its 2020 Request for Proposal. On behalf of Oregon Public Utility Commission Staff. August 19, 2021.

Oregon Public Utility Commission (Docket No. LC 70): Comments regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. August 18, 2021.

Oregon Public Utility Commission (Docket No. LC 71): Staff Report regarding The Third Update to NW Natural's 2018 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. July 12, 2021.

Oregon Public Utility Commission (Docket No. LC 71): Opening Comments regarding The Third Update to NW Natural's 2018 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. May 14, 2021.

Oregon Public Utility Commission (Docket No. UM 2059): Comments regarding PacifiCorp's Application for Approval of its 2020 Request for Proposal. On behalf of Oregon Public Utility Commission Staff. December 8, 2020.

Oregon Public Utility Commission (Docket No. UM 2059): Comments regarding PacifiCorp's Application for Approval of its 2020 Request for Proposal. On behalf of Oregon Public Utility Commission Staff. December 4, 2020.

Oregon Public Utility Commission (Docket No. UM 2005): Presentation of Rose Anderson on Integrated Resource Planning. On behalf of Oregon Public Utility Commission Staff. June 11, 2020.

Oregon Public Utility Commission (Docket No. LC 70): Comments regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. April 29, 2021.

Oregon Public Utility Commission (Docket No. LC 70): Report regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. April 17, 2020.

Oregon Public Utility Commission (Docket No. UM 2059): Report regarding PacifiCorp's Application for Approval of its 2020 Request for Proposal. On behalf of Oregon Public Utility Commission Staff. April 1, 2020.

Oregon Public Utility Commission (Docket No. LC 70): Comments regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. March 6, 2020.

Oregon Public Utility Commission (Docket No. LC 70): Comments regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. March 4, 2020.

Oregon Public Utility Commission (Docket No. LC 70): Comments regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. January 10, 2020

Oregon Public Utility Commission (Docket No. LC 70): Comments regarding PacifiCorp's Application for Approval of its 2019 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. October 25, 2019.

Oregon Public Utility Commission (Docket No. LC 71): Final Comments regarding NW Natural's 2018 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. December 31, 2018.

Oregon Public Utility Commission (Docket No. LC 70): Staff Report for the December 28, 2018 Special Public Meeting. On behalf of Oregon Public Utility Commission Staff. December 13, 2018.

Oregon Public Utility Commission (Docket No. LC 71): Opening Comments regarding NW Natural's 2018 Integrated Resource Plan. On behalf of Oregon Public Utility Commission Staff. October 15, 2018.

Oregon Public Utility Commission (Docket No. UE 230): Report of Rose Anderson on PGE's schedule 145 update request. On behalf of Oregon Public Utility Commission Staff. December 14, 2017.

Oregon Public Utility Commission (Docket No. UE 315): Report of Rose Anderson regarding PacifiCorp's request for revised rates. On behalf of Oregon Public Utility Commission Staff. December 9, 2016.

McCullough, R., Oursland, G., Anderson, R. *Nuclear Winter.* Electricity Policy. December 2014.

McCullough, R., Vatter, M., Anderson, R., Heimensen, J., Long, S., May, C., Nisbet, A., Oursland, G. *Economic Analysis of the Columbia Generating Station*. December 2013.

TESTIMONY

Oregon Public Utility Commission (Docket No. UE 420): Opening Testimony of Rose Anderson regarding PacifiCorp's 2024 Transition Adjustment Mechanism. On behalf of Oregon Public Utility Commission Staff. June 23, 2023.

Oregon Public Utility Commission (Docket No. UE 399): Rebuttal Testimony of Rose Anderson regarding PacifiCorp's Request for a General Rate Revision. On behalf of Oregon Public Utility Commission Staff. August 11, 2022.

Oregon Public Utility Commission (Docket No. UE 399): Opening Testimony of Rose Anderson regarding PacifiCorp's Request for a General Rate Revision. On behalf of Oregon Public Utility Commission Staff. June 22, 2022.

Oregon Public Utility Commission (Docket No. UE 390): Rebuttal Testimony of Rose Anderson regarding PacifiCorp's 2022 Transition Adjustment Mechanism. On behalf of Oregon Public Utility Commission Staff. July 30, 2021.

Oregon Public Utility Commission (Docket No. UE 390): Opening Testimony of Rose Anderson regarding PacifiCorp's 2022 Transition Adjustment Mechanism. On behalf of Oregon Public Utility Commission Staff. June 09, 2021.

Oregon Public Utility Commission (Docket No. UE 374): Rebuttal Testimony of Rose Anderson regarding PacifiCorp's Request for a General Rate Revision. On behalf of Oregon Public Utility Commission Staff. July 24, 2020.

Oregon Public Utility Commission (Docket No. UE 374): Opening Testimony of Rose Anderson regarding PacifiCorp's Request for a General Rate Revision. On behalf of Oregon Public Utility Commission Staff. June 4, 2020.

Oregon Public Utility Commission (Docket No. UE 339): Opening Testimony of Rose Anderson regarding PacifiCorp's 2019 Transition Adjustment Mechanism. On behalf of Oregon Public Utility Commission Staff. June 11, 2018.

Oregon Public Utility Commission (Docket No. UE 333): Opening Testimony of Rose Anderson regarding Idaho Power's 2018 Annual Power Cost Update. On behalf of Oregon Public Utility Commission Staff. February 12, 2018.

Oregon Public Utility Commission (Docket No. UG 325): Opening Testimony of Rose Anderson regarding Avista's Request for a General Rate Revision. On behalf of Oregon Public Utility Commission Staff. July 20, 2017.

Oregon Public Utility Commission (Docket No. UE 319): Opening Testimony of Rose Anderson regarding Portland General Electric's Request for a General Rate Revision. On behalf of Oregon Public Utility Commission Staff. June 16, 2017.

Resume updated September 2023

Exhibit RA-2:

Duke Energy Florida's Public Responses to Sierra Club Interrogatories

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for rate increase by Duke Energy Florida, LLC.	Docket No. 20240025-EI Dated: May 6, 2024

DUKE ENERGY FLORIDA, LLC'S RESPONSE TO
SIERRA CLUB'S FIRST SET OF INTERROGATORIES (NOS. 1-38)

Duke Energy Florida, LLC ("DEF") responds to Sierra Club's First Set of Interrogatories to DEF (Nos. 1-38), as follows:

INTERROGATORIES

Topic: Crystal River coal units

1. Please provide a narrative description of the analysis, data, or information that DEF relies on to conclude that continued operation of Crystal River units 4 and 5 is in the best interests of its ratepayers.

Response:

DEF prepared a detailed analysis of the potential retirement timeline for Crystal River Units 4 and 5 in 2020. This study considered two primary retirement scenarios, retirement in 2029 and retirement in 2034 as compared to the previous retirement year of 2042. The study considered replacement generation needs and options, operation of the units, fuel supply, dispatch of the overall generation portfolio, ongoing operational costs including identified major maintenance events, remaining net book value and impacts of recovery periods on customer rates. That study relied on the then current Ten-Year Site Plan and its supporting forecasts along with supporting financial information.

The study selected 2034 as the appropriate target retirement date. Key elements in driving these results included the assessment of alternative generation. This assessment showed that a retirement in 2029 would strongly favor the selection of a large natural gas fired combined cycle unit as the primary replacement to provide both energy and capacity. The analysis at the time showed that deferring the retirement to 2034 allowed adequate time for the construction of additional solar to provide energy replacing the energy being generated from the coal units. In addition, the analysis showed that the capacity during non-solar hours would be replaced with a mix of combustion turbines and batteries. DEF's forecasts at the time showed that the delay to 2034 would give time for the relative price of batteries

to decline to the point that batteries would be the larger portion of this mix. DEF also identified that the 2034 retirement appeared to create a balanced impact on customer rates. In support of this approach, DEF negotiated a partial acceleration of the Crystal River depreciation, which was incorporated into the DEF 2021 rate settlement.
Since 2021, DEF has not performed a new study of the retirement timing for Crystal River units 4 and 5. DEF annually reviews the support for the 2034 retirement date during the Ten-Year Site Plan process. DEF's review considers future capacity needs to serve load, the plans and alternatives for replacement generation, and changes in the Crystal River situation including operational condition and fuel supply.

2. For each retirement study or unit condition assessment provided in response to Sierra Club Document Production Request No. 3, provide the following:

a. State which modeling software was used to conduct the analysis.

b. State the date that the analysis was performed.

c. State whether the units were modeled with an economic (market) or self-commitment (must run) status for each year of the analysis.

d. State the date of each forecast or projection used in the analysis.

e. State the regulation or rationale behind each retirement date(s) studied.

f. Identify all transmission grid updates or changes that would be needed to allow for the retirement of Crystal River units 4 and 5.

<u>Response:</u>
a. Capacity expansion and production cost modeling were conducted with the Planning and Risk Suite of models from ABB.
b. June 2021
c. The Crystal River units are dispatched against the DEF system marginal costs in an economic manner. There is a must run requirement in the scenarios which is in effect only when the Citrus County Combined Cycle units are not in service.
d. Two retirement dates were studied in the analysis, 2029 and 2034.
e. No specific environmental regulation in force at that time, or currently, requires the retirement of Crystal River units 4 and 5. The dates were selected in recognition of anticipated regulatory pressures, economic shifts in generation including risks to future fuel supply, and carbon reduction targets set by Duke Energy including contribution to the enterprise goal of 50% CO_2 emissions reductions by 2030 and the target to be out of coal fired generation by 2035.
f. No specific transmission upgrades were considered in evaluating the retirements of Crystal River units 4 and 5. Specific transmission upgrades would depend on the selection and location of replacement generation. For the purposes of the evaluation performed, it was assumed that replacement generation would be located in a manner that would minimize transmission upgrades.

3. For Crystal River units 4 and 5, please provide the following:

   a. The amount of capital cost that DEF has included in the test year rate base;

   b. The amount of capital cost that DEF included in the test year in its previous rate case; and

   c. An explanation of the change in capital cost from the last rate case to this one.

Response:
a. DEF has included $2,841 million in the test year rate base as of December 2025 for Crystal River units 4 and 5. Please see MFR B-8, Page 16 of 37, Line 84 "CR Total".

b. DEF included $2,781 million in the test year rate base as of December 2023 for these units in its 2021 settlement agreement. Please see MFR B-8, Page 1 of 45, Line 44 "Total Crystal River 4&5", submitted in Docket No. 20210016-EI.

c. The timing and scope of capital outages at Crystal River will impact the amount of capital expenditures needed for the outages at the plant and as a result will impact the growth in Electric Plant in Service.

4. For Crystal River units 4 and 5, please provide the following:

   a. The amount of non-fuel operating & maintenance (O&M) costs that are included in the test year in this rate case;

   b. The amount of non-fuel O&M costs included in the test year in DEF's previous rate case; and

   c. An explanation of the change in non-fuel O&M cost from the last rate case to this one.

Response:
a. CR 4&5 non-fuel O&M in the rate case test years 2025-2027:
Calendar Year 2025 – $47,283,000
Calendar Year 2026 – $46,781,000
Calendar Year 2027 - $45,451,000

b. DEF has been operating under the 2021 Settlement Agreement, where MFR's were submitted for years 2022 and 2023 but not 2024 in Docket No. 20210016. MFR's do not include O&M costs by generating unit but do include non-fuel O&M for steam production plant, which includes CR 4&5 and Anclote. For the 2021 settlement, non-fuel steam production O&M by account can be found on MFR C-6, Page 3 of 8, lines 18 through 31, and for the current rate case can be found on MFR C-6, Page 2 of 5, lines 17 through 30. MFR C-8 provides the reason for O&M expense changes that exceed 1/20th of one percent of total operating expenses.

c. Please see MFR C-41 for the O&M benchmark variance by function for each of the three test periods and the variance explanation for O&M that exceeds the benchmark. Steam Production O&M is below the O&M benchmark for Test Period 2027, and Test Period 2026, and $2.9M above the benchmark for Test Period 2025. Please see MFR C-41 for variance explanations.

5. For both Crystal River unit 4 and unit 5, please provide the remaining book value (plant balance) at the start of 2024 and the expected undepreciated book value for each year of the remaining operating life of each unit.

Response:
Crystal River 4 and 5 are both expected to retire in 2034. The asset management system used to track the existing plant in service assets does not maintain the assets at the individual unit level. As a result, Duke Energy Florida is providing the plant balance at the start of 2024 and the expected undepreciated book value for each year thereafter for the combined units. In addition, the below plant in service balance are based on current balances and do not include capital expenditures that will occur between 2024 and 2034.

Year	Plant In Service	Est. Annual Depreciation	Est. Accumulated Depreciation	Est. Net Book Value (Undepreciated Book Value)
2023	2,806,678,000		1,380,986,000	1,425,692,000
2024	2,806,678,000	135,275,247	1,516,261,247	1,290,416,753
2025	2,806,678,000	135,275,247	1,651,536,493	1,155,141,507
2026	2,806,678,000	135,275,247	1,786,811,740	1,019,866,260
2027	2,806,678,000	135,275,247	1,922,086,987	884,591,013
2028	2,806,678,000	135,275,247	2,057,362,234	749,315,767
2029	2,806,678,000	135,275,247	2,192,637,480	614,040,520
2030	2,806,678,000	135,275,247	2,327,912,727	478,765,273
2031	2,806,678,000	135,275,247	2,463,187,974	343,490,026
2032	2,806,678,000	135,275,247	2,598,463,220	208,214,780
2033	2,806,678,000	135,275,247	2,733,738,467	72,939,533
2034	2,806,678,000	72,939,533	2,806,678,000	-

6. For Crystal River units 4 and 5, please provide the following historical data for the years 2018 to 2023 for each unit:

a. Installed capacity;

b. Unforced capacity;

c. Hourly generation (in MW);

d. Annual Generation (in MWh);

e. Capacity factor;

f. Equivalent Availability Factor (EAF);

g. Heat rate (average);

h. Forced or random outage rate;

i. Effective forced outage rate (EFORd);

j. Fixed O&M costs;

k. Non-fuel variable costs;

l. Fuel costs (by fuel type);

m. Any energy or capacity market revenue from participation in an organized market;

n. All historical capital expenditures (including environmental projects) since 2018 by year; and

o. Sustaining capital since 2018 by year.

p. If these categories do not comprise all costs associated with these units, please explain, and quantify the other costs of the units since 2018 by year.

<u>Response:</u>
A. Calendar Year 2018—2023: 1,478
B. DEF does not know what "Unforced capacity" means.
C. DEF does not have an hourly generation.
D.

2018	2019	2020	2021	2022	2023
7,634,724,000	4,321,613,560	3,287,271,000	5,042,303,000	4,374,635,000	3,828,944,000

E.

2018	2019	2020	2021	2022	2023
60.44%	34.21%	25.95%	39.92%	34.63%	30.31%

F.

2018	2019	2020	2021	2022	2023
83.03%	71.84%	69.38%	73.85%	77.89%	79.50%

G.

2018	2019	2020	2021	2022	2023
9976.8	10204.255	10699.353	10690.347	10979.421	10910.32

H.

2018	2019	2020	2021	2022	2023
6.47%	12.21%	7.63%	16.58%	1.82%	5.05%

I.

2018	2019	2020	2021	2022	2023
7.00%	13.65%	8.65%	18.89%	5.24%	7.16%

J. Not available - O&M is reported in total
K. Not available - O&M is reported in total
L.

	2018	2019	2020	2021	2022	2023
Coal	232,090,553	161,620,864	128,688,321	163,564,338	219,770,258	190,943,233
Fuel Oil	4,612,147	5,511,953	5,714,130	6,608,035	7,815,905	9,700,149

M. DEF is not a member of an organized RTO/ISO market, so there is no energy or capacity market revenue specifically attributed to Crystal River 4 and 5 for participation in that type of market. DEF transacts energy bilaterally with counterparties in the Southeast when economically advantageous to do so or necessary for system reliability. DEF generally transacts as a whole system recognizing that multiple units could potentially respond to a purchase or sale of energy dependent upon system conditions and unit characteristics. The response to SC ROG 1-26 a&b provides a high-level view of DEF's short-term activity in the bilateral energy market.

N.

2018	2019	2020	2021	2022	2023
81,390,301	44,764,220	31,005,380	19,233,851	18,021,969	25,463,652

O. DEF does not know what "sustaining capital" means. Please see the response to subpart N for historical capital spend.
P. N/A

7. For Crystal River units 4 and 5, please provide the following projected data for the years 2024 through 2034:

a. Installed capacity;

b. Unforced capacity;

c. Generation (in MWh);

d. Capacity factor;

e. Equivalent Availability Factor (EAF);

f. Heat rate (average);

g. Forced or random outage rate;

h. Effective forced outage rate (EFORd);

i. Fixed O&M costs;

j. Non-fuel variable costs;

k. Fuel costs (by fuel type);

l. Any energy or capacity market revenue from participation in an organized market;

m. All forecast capital expenditures (including environmental projects) by year; and

n. All forecast sustaining capital by year.

o. If these categories do not comprise all costs associated with these units, please explain, and quantify the other costs of the units by year.

Response:

a. Please see the attached document bearing Bates number 20240025-SIERRACLUBROG1-00000001.
Much of the requested unit performance data for the period 2025-2027 can be found in Schedule F-8 of the Minimum Filing Requirement (MFR) documents submitted with the rate case filing, pages 356 - 376. Some of that data is repeated here for convenience

b. Please see the response and attachment provided in subpart a.

c. Please see the response and attachment provided in subpart a.

d. Please see the response and attachment provided in subpart a.

e. Please see the response and attachment provided in subpart a.

f. Please see the response and attachment provided in subpart a.

g. Please see the response and attachment provided in subpart a.
h. Please see the response and attachment provided in subpart a.
i. Please see the response and attachment provided in subpart a.
j. Please see the response and attachment provided in subpart a.
k. Please see the response and attachment provided in subpart a.
l. N/A. DEF is not a member of an organized RTO/ISO market, so there is no forecasted energy or capacity market revenue specifically attributed to Crystal River 4 and 5 for participation in that type of market. DEF transacts energy bilaterally with counterparties in the Southeast when economically advantageous to do so or necessary for system reliability. DEF generally transacts as a whole system recognizing that multiple units could potentially respond to a purchase or sale of energy dependent upon system conditions and unit characteristics. See response to SC ROG 1-26 c & d for additional information.
m. Please see the attached document bearing Bates numbers 20240025-SIERRACLUBROG1-00000002 through 20240025-SIERRACLUBROG1-00000003. The Company does not have a forecast of capital for 2028-2034.
n. Please refer to the response and attachment for subpart m. for all project information.
o. Please refer to the response and attachment for subpart m. for all project information.

Much of the requested unit performance data for the period 2025-2027 can be found in Schedule F-8 of the Minimum Filing Requirement (MFR) documents submitted with the rate case filing, pages 356 - 376. Some of that data is repeated here for convenience

8. Please provide a description of any major capital projects expected at Crystal River units 4 or 5 over the next 10 years. Include information about the expected timeline and cost of such projects.

Response:
Please see the DEF's response to Sierra Club ROG 1-7, which includes project descriptions, in-service dates, and project cash flow by year.

9. Please provide a list of all outages that occurred over the past 5 years at Crystal River units 4 and 5. Include the following:

a. Date and time outage began and ended;

b. Duration of outage;

c. Unit derating (in MW);

d. Whether the outage was forced or unforced;

e. Explanation for the outage; and

f. Replacement power costs.

Response:
For a-e, please see the attached document bearing Bates numbers 20240025-SIERRACLUBROG1-00000004 through 20240025-SIERRACLUBROG1-00000011.

f. Through the annual fuel proceedings, DEF previously identified replacement power costs associated with Crystal River Unit 4 in calendar years 2019 and 2021 in the retail amounts of approximately $1.6M and $16.2M, respectively. DEF has not identified any related to Crystal River Unit #5. Note that DEF does not calculate replacement power for planned outages.

10. Regarding the Company's operation of Crystal River units 4 and 5:

a. Provide a narrative of how DEF makes decisions regarding unit commitment (that is, decisions to turn the plant on and off) and unit dispatch (that is, decisions to ramp the plant up or down). If there are any differences in decision-making processes by unit, please explain.

b. Indicate whether the Company conducts daily unit commitment analysis to determine how to commit and dispatch the plant.

Response:
a. DEF utilizes security constrained economic dispatch of its generation fleet to meet system requirements. In summary, the Company performs a detailed daily process to determine the unit commitment plan that economically and reliably meets the Company's projected system needs over the next seven days.
To do this, the Company utilizes a production cost model to determine an optimal unit commitment plan to meet system requirements economically and reliably. The model minimizes the production costs needed to serve the projected customer demand within reliability and other system constraints over the 7-day forecast period. Inputs to the model include, but are not limited to, the following: 1) forecasted customer energy demand; 2) the latest forecasted fuel prices, reflective of market supply chain dynamics; 3) variable transportation rates; 4) planned maintenance and refueling outages at the generating units; 5) generating unit parameters such as, but not limited to, minimum load, maximum load, heat rate, ramp rate, variable O&M, start-up costs and shut-down costs, 6) reliability constraints such as units run to maintain day-ahead planning reserves or units required to run for transmission or voltage support; 7) expected market conditions associated with power purchases and off-system sales opportunities.; and 8) projected variable renewable resource contributions (i.e. solar). The production cost model produces the optimized hourly unit commitment plan for the 7-day forecast period. The unit commitment plan is prepared daily and adjusted, as needed, throughout any given day to respond to changing real time system conditions.

The unit commitment plan also provides the starting point for dispatch, but dispatch is then also subject to real time adjustments due to changing system conditions. Changing real time system conditions are incorporated into the security constrained economic dispatch algorithm in the Company's Energy Management System ("EMS") by the ECC as they occur to ensure the most security constrained economic real time dispatch response.

b. See response to subpart a.

11. Please provide a narrative description of how the Company procures coal for Crystal River units 4 and 5.

a. Are spot market purchases part of the fueling strategy? If so, from what market are the purchases made? Provide the average purchase price in each year from 2021 through 2023.

b. Please provide a narrative description of the coal contracts in place for coal supply to Crystal River units 4 and 5. Provide the name of the counterparty and the quantity and price of coal, along with any minimum take requirements.

Response:
Duke Energy Florida's coal procurement strategy is designed to assure that the Company procures a reliable supply of appropriate quality coal for its coal generating facility at the lowest cost reasonably possible. Coal is generally purchased under long-term contracts of one to three years in length. The Company secures both its long-term and spot (one year or less) coal supply from producers through competitive bid processes that are evaluated thoroughly considering the following:

1. conformity to the technical and commercial aspects of the specifications (e.g., coal specifications, delivery schedules, warranties, etc.);
2. coal quality and quantity assurances (or guarantees) by the bidder;
3. prices and conditions of pricing;
4. any exceptions to the specifications and resulting penalties;
5. supplier operations and/or shipping capabilities;
6. historic supplier performance and financial viability;
7. supplier flexibility (i.e. quantity, term, location); and
8. any other considerations applicable under the circumstances.

The producer (or producers) whose coal offers the best value, particularly with regard to overall utilization costs, is selected for further negotiations to produce contracts.

The Company uses methods and strategies that ensure the lowest cost reasonably possible, including the use of staggered terms on long-term contracts, a diversified mix of suppliers, and contractual terms and conditions that provide price certainty and competitiveness. Duke Energy Florida works to diversify its sourcing of suppliers and mines to ensure reliable supply and efficient transportation and works with suppliers to incorporate additional flexibility into the supply contracts. The Company's Coal Procurement Group stays informed as to the current market alternatives for spot and long-term coal supply through frequent communication with the coal producers and mining operations, coupled with, on-going monitoring of pricing information documented in industry publications such as industry newsletters, trade publications, regulatory filings, and the weekly spot market pricing indices published by brokers and traders.

a. Yes. Duke Energy Florida conducts spot market solicitations as needed to supplement term contract purchases, taking into account changes in projected coal burns and existing coal inventory levels in order to maintain adequate inventory and provide a reliable source of electricity for customers. Spot coal supply is solicited from potential suppliers from all regions and the producer (or producers) whose coal offers the best value, particularly with regard to overall utilization costs, is selected for further negotiations to produce contracts as discussed in the Company's response to SC ROG 1-11, above. Please see documents bearing Bates number 20240025-SIERRACLUBROG1-00000012 for average purchase price in each year from 2021 through 2023. The documents are confidential: redacted versions are attached hereto and unredacted copies have been submitted with the Florida Public Service Commission along with DEF's Notice of Intent to Request Confidential Classification dated May 3, 2024.

b. Please see documents provided in subpart a.

Topic: Environmental Regulation and Policy

12. Please provide a description of how any proposed or recently finalized federal environmental regulations may affect Crystal River units 4 and 5, including, but not limited to: the U.S. Environmental Protection Agency (EPA)'s Effluent Limitation Guidelines (ELG Rule); EPA's Mercury and Air Toxics Standards (MATS); EPA's regional haze standards; EPA's proposed new Clean Air Act section 111 rule, which would limit greenhouse gas emissions from certain fossil fuel plants; and EPA's updated coal ash rule, which is anticipated to be released in early May 2024 and would likely require retrofitting or closure of legacy coal ash ponds.

    a. How is the Company planning to comply with each new regulation, to the extent they are applicable to Crystal River units 4 and 5?

<u>Response:</u>
Duke Energy has closely followed the development of the Effluent Limitation Guidelines (ELG Rule), the Mercury and Air Toxics Standard (MATS Rule), the proposed Clean Air Act Section 111 Rules, and updates to the Coal Combustion Residual (CCR) rule. The

company supported comments provided to the U.S. EPA through a number of trade organizations and submitted comments on behalf of the company for each of these proposed regulations. On April 25, 2024 the EPA issued the updated Rules. As the Rules were just published, Duke Energy is in the process of reviewing them and will be developing compliance plans over the coming months/years depending on potential challenges to the Rules.

As for Regional Haze compliance, Crystal River Unit Nos. 4 and 5 have taken a reduced SO2 emission limit to comply with these provisions and no additional action is expected.

13. Please describe the impact that any of the federal rules identified in response to Interrogatory No. 12 above, as well as any Florida legislation or regulations governing environmental protection or pollution, will have on Crystal River units 4 and 5 if such rule is fully implemented.

Response:
As mentioned in the response to Sierra Club Interrogatory No. 1-12 above, Duke Energy currently reviewing the Rules.

14. If the Company does not have a plan for complying with EPA's new section 111 greenhouse gas rule, or with any other federal or state rule identified in response to Interrogatory Nos. 12 or 13, please explain why not.

Response:
Please see response to Interrogatory 12. Duke Energy closely evaluated impacts from the proposed regulations outlined in response to Interrogatory No. 12 and this analysis informed the comments that the company has provided to U.S. EPA.

15. Has Duke Energy Florida evaluated the potential to use the U.S. Department of Energy's Energy Infrastructure Reinvestment (EIR) loan program to facilitate and reduce the costs associated with early retirement and replacement of any of its existing or retired coal units?

Response:
No.

16. Has Duke Energy Florida communicated with the Department of Energy to discuss questions and opportunities associated with the EIR program? If so, please briefly describe the communication. If not, please explain why not.

Response:

No. Given that DEF has a reliability need to continue to operate CR 4 and 5, it has not considered the EIR loan guarantee program at this time

Topic Keyword: New and existing energy supply

17. For each new generation facility for which the Company is requesting rate recovery in this rate case, please provide:

    a. The generator size in MW;

    b. The $/kW overnight capital cost of each generator; and

    c. The expected $/kW-yr fixed O&M costs of each generator.

    Response:
    Please see attachment bearing Bates numbers 20240025-SIERRACLUBROG1-00000013 through 20240025-SIERRACLUBROG1-00000014.
    Documents bearing Bates number 20240025-SIERRACLUBROG1-00000013 is confidential: redacted versions are attached hereto and unredacted copies have been submitted with the Florida Public Service Commission along with DEF's Notice of Intent to Request Confidential Classification dated May 3, 2024. This provides the capacity (MW-ac) and overnight cost for the 2025-2027 solar assets. Detailed related to the annual O&M costs are provided in response to LULAC POD 1-2.

18. Please provide the fuel type, capacity in MW, and Commercial Online Date for each owned or contracted generating resource added to DEF's portfolio from 2019 through 2024. State whether each resource is owned or contracted.

    Response:
    Please see attachment bearing Bates number 20240025-SIERRACLUBROG1-00000015 which provides the requested information for the DEF owned solar projects with commercial operation dates from 2019-2027.

19. Please provide the Company's two most recent commodity (e.g., natural gas and coal), peak demand, and load forecasts. Indicate the date each forecast was completed.

    Response:
    See attached " bearing Bates numbers 20240025-SIERRACLUBROG1-00000016 through 20240025-SIERRACLUBROG1-00000019for forecasts as of 2/13/2024 and 3/12/2024.

The Company's forecasting models, inputs, assumptions, and results used to support the rate case, including commodity, load, and peak demand, are described in Schedule F-5 through F-8 of the Minimum Filing Requirement documents submitted with the rate case.

The Company's fuel price forecasting methodology utilizes known observable market prices for the applicable forward periods that are selected as of a specific Close of Business date. The Company does not generate its own commodity price forecast; instead, the Company obtains its forward market price curves from industry recognized third-party forward market source providers for natural gas, fuel oil and coal

The load forecasting process used to develop load and peak demand is accomplished through an econometric modeling process that employs historic and projected input data addressing economic conditions, demographics, weather, electric price levels, and in some instances, specific customer operating plans. See Schedule F-5 through F-8 of the Minimum Filing Requirement documents submitted with the rate case for more details.

20. Does the Company purchase energy from a market hub? If so, please specify which hub(s) and how much energy was purchased at each hub during on-peak and off-peak hours in each month from 2019 through 2023.

Response:
DEF does not purchase energy from a market hub. DEF transacts energy bilaterally with counterparties in the Southeast when economically advantageous to do so or necessary for system reliability. DEF purchases energy that is fully delivered to DEF's transmission system or at a transmission interface agreed upon with the counterparty. Total energy purchased short-term by DEF is identified in the response to SC ROG 1-26 a&b.

21. Please provide historical monthly average on-peak and off-peak energy market prices for 2019 through 2023.

Response:
DEF is not in an organized RTO/ISO market so there is no published historical monthly on-peak and off-peak energy market price for the period 2019-2023.

22. Please provide the Company's two most recent power market price forecasts. Include off-peak and on-peak prices if available. Indicate the date each forecast was completed.

Response:
Please see attached file bearing Bates numbers 20240025-SIERRACLUBROG1-00000020 through 20240025-SIERRACLUBROG1-00000021.

Duke Energy Florida is a vertically integrated utility company, operating outside of a Regional Transmission Organization (RTO) (e.g., PJM, MISO). While the Company does engage in bilateral energy transactions with neighboring counterparties in the Southeast when economically advantageous to do so or necessary for system reliability, nearly all customer load is served with native generation. Consequently, power market purchase and sale volumes are small. Given the small transaction volume, forecasted power market prices have minimal impact on projected system operations and cost or other long range planning activities. Even so, the Company does model power prices intended to be representative of transaction opportunities with neighbors to capture the potential impacts of off-system purchases and sales.

To do so, the company has developed a proprietary statistical model of the relationship between actual regional natural gas prices (FGT Zone 3) and average monthly on- and off-peak power prices (i.e. market heat rate) as indicated by potential transaction prices marked by the Company's power traders. This model is then applied to market forward prices for FGT Zone 3 as of a specific Close of Business date to estimate forward monthly on- and off-peak power prices that form the forward power market curves included in response to Sierra Club Interrogatory No. 22.

23. When planning its resource portfolio, does the Company plan to use spot market purchases or short-term contracts to meet a portion of its capacity needs? Please explain why or why not.

Response:

In its long-term planning, DEF does not generally use spot market or short-term contract purchases as part of the resource plan. Because DEF does not participate in an organized market (RTO/ISO), there is no reliable projection of the availability of such contracts beyond the immediate term. DEF considers the opportunity to make economic short-term energy purchases or, as necessary, reliability capacity purchases in its seasonal and short-term planning. Because of the dynamic nature of bilateral purchase opportunities, these are not considered as part of long-term reliability planning.

24. Does the Company have capacity contracts with third parties? If so, please list each contract, its capacity in MW, the fuel type of any associated generator, the cost of the capacity in \$/MW-year, and whether the capacity is considered firm capacity.

Response:

Yes, the Company has third-party capacity contracts. Please see the table attached bearing Bates number 20240025-SIERRACLUBROG1-00000022.

25. Please provide the maximum price per MWh the Company paid for market energy in each month from 2019 through 2023.

Response:

Please see the table attached bearing Bates number 20240025-SIERRACLUBROG1-00000023.

26. Please provide the following for Duke Energy Florida:

a. Total annual off system energy purchases in GWh and dollars since 2018;

b. Total annual off system energy sales in GWh and dollars since 2018;

c. Projected annual off system energy purchases in GWh and dollars from now through 2034; and

d. Projected annual off system energy sales in GWh and dollars from now through 2034.

Response:
a & b Please see the table attached bearing Bates numbers 20240025-SIERRACLUBROG1-00000024 through 20240025-SIERRACLUBROG1-00000025.

c & d. Please see the table attached bearing Bates number 20240025-SIERRACLUBROG1-00000026.

27. Please provide the capacity factor of each of the in-service solar resources included in this rate case.

Response:
Please see attachment bearing Bates number 20240025-SIERRACLUBROG1-00000027. Tab ROG 1-27 includes the requested information for the DEF in-service solar resources as of the date of the rate case filing. This includes all solar resources currently in operation.

28. Please provide the expected capacity factor of each resource included in this multi-year rate plan that is not yet in service.

Response:
Please see attachment bearing Bates number 20240025-SIERRACLUBROG1-00000028 Tab ROG 1-28 includes the requested information for the DEF solar resources not yet in operation included as part of Solar Growth for 2024-2027.

29. Please provide the capacity factors of the three solar resources the company procured most recently, previous to this rate case.

Response:
The three most recently procured/constructed solar resources that are placed in service and have completed capacity testing are Bay Ranch, Hardeetown and High Springs Solar Energy Center(s). Each project, which was procured in development and constructed by DEF, has a designed year 1 capacity factor of 28.0%.

Topic: Resource Planning and Resource Adequacy

30. Please provide a load and resources table from now through 2034, or the furthest year DEF has available, showing the Company's projected peak demand and firm capacity available by year. List firm capacity by resource/fuel type. Include the Company's reserve margin in the table.

Response:
Please see attachment bearing Bates numbers 20240025-SIERRACLUBROG1-00000029 through 20240025-SIERRACLUBROG1-00000040

31. Please provide a narrative explanation of how the Company calculates its available firm capacity for purposes of system planning. Does the Company include an estimate of firm capacity for variable renewable energy or storage resources?

Response:
Please see the response to Sierra Club Interrogatory 1-32.

32. Does the Company calculate Capacity Contribution, Effective Load Carrying Capacity, or another metric of firm capacity for its generators for planning purposes? Please provide that value for the Company's existing generators and any new generators included in this rate case.

Response:
DEF addresses Capacity Contribution for each of its units based on technology type. The capacity contribution is evaluated based on the ability of each unit to reliably contribute to the system load at the time of the seasonal peak, generally marked as the peak hour of summer and winter. For all fuel fired units, DEF assumes 100% contribution to capacity. The contribution of solar units is based on an evaluation of the contribution of the solar at the time of the net peak. DEF recognizes that as solar penetration increases, including both DEF and customer owned PV, the relationship between the solar production and the coincident load peak will change. DEF modeling derives an equivalent summer non-coincident, but on-peak-hour capacity value equal to 25% of the facility's nameplate rating for planned PV installations in 2025 and 2026 and 12.5% for the 2027 projects. For a detailed description of DEF's methodology for ascribing firm capacity to solar PV generating units, see DEF's response to LULAC interrogatory 1-12. DEF has ascribed a

90% capacity contribution to new utility scale transmission connected batteries. This value is in line with values being used by other Florida utilities.

33. Please provide a narrative explanation of how the Company ensures that it will have enough capacity to meet demand in the future while maintaining a cost-effective system for customers. Include answers to the following:

    a. How frequently does the Company assess its resource adequacy?

    b. How far into the future does the Company plan for resource adequacy?

    c. What standard does the Company use? For example, is it a 1 day in 10 years standard or a different metric?

    d. Does DEF use a planning reserve margin (PRM) when making resource decisions? If so, please provide the margin the Company currently uses and a narrative explanation of how that PRM was determined to be appropriate for planning purposes.

Response:

This subject is discussed in detail in Chapter 3 of the annual DEF Ten-Year Site Plan, available at: Florida PSC (state.fl.us)

DEF employs an Integrated Resource Planning (IRP) process to determine the most cost-effective mix of supply- and demand-side alternatives that will reliably satisfy our customers' future demand and energy needs. DEF's IRP process incorporates state-of-the-art computer models used to evaluate a wide range of future generation alternatives and cost-effective conservation and dispatchable demand-side management programs on a consistent and integrated basis.

The process begins with the development of various forecasts, including demand and energy, fuel prices, and economic assumptions. Future supply- and demand-side resource alternatives are identified, and extensive cost and operating data are collected to enable these to be modeled in detail. These alternatives are optimized together to determine the most cost-effective plan for DEF to pursue over the next ten years that meets the reliability criteria for our customers.

The IRP provides DEF with substantial guidance in assessing and optimizing the Company's overall resource mix on both the supply side and the demand side. When a decision supporting a significant resource commitment is being developed (e.g., plant construction, power purchase, DSM program implementation), the Company will move forward with directional guidance from the IRP and delve much further into the specific levels of examination required. This more detailed assessment will typically address very specific technical requirements and cost estimates, detailed corporate financial considerations, and the most current dynamics of the business and regulatory environments.

Forecasts and Assumptions

The evaluation of possible supply- and demand-side alternatives, and development of the optimal plan, is an integral part of the IRP process. These steps together comprise the integration process that begins with the development of forecasts and collection of input data. Base forecasts that reflect DEF's view of the most likely future scenario are developed. Additional future scenarios along with high and low forecasts may also be developed. Computer models used in the process are brought up to date to reflect this data, along with the latest operating parameters and maintenance schedules for DEF's existing generating units. This establishes a consistent starting point for all further analysis.

Reliability Criteria

Utilities require a margin of generating capacity above the firm demands of their customers in order to provide reliable service. Periodic scheduled outages are required to perform maintenance and inspections of generating plant equipment. At any given time during the year, some capacity may be out of service due to unanticipated equipment failures resulting in forced outages of generation units. Adequate reserve capacity must be available to accommodate these outages and to compensate for higher than projected peak demand due to forecast uncertainty and abnormal weather. In addition, some capacity must be available for operating reserves to maintain the balance between supply and demand on a moment-to-moment basis.

DEF plans its resources in a manner consistent with utility industry planning practices and employs both deterministic and probabilistic reliability criteria in the resource planning process. A Reserve Margin criterion is used as a deterministic measure of DEF's ability to meet its forecasted seasonal peak load with firm capacity. DEF plans its resources to satisfy a minimum 20% Reserve Margin criterion.

Supply-Side Screening

Potential supply-side resources are screened to determine those that are the most cost-effective. Data used for the screening analysis is compiled from various industry sources and DEF's experiences. The wide range of resource options is pre-screened to set aside those that do not warrant a detailed cost-effectiveness analysis. Typical screening criteria are costs, fuel source, technology maturity, environmental parameters (e.g., emissions, possible climate impact), and overall resource feasibility.

Economic evaluation of generation alternatives is performed using the Capacity Expansion module of the EnCompass Power Planning Software licensed from Anchor Power Solutions. This optimization tool evaluates revenue requirements for specific resource plans generated from multiple combinations of future resource additions that meet system reliability criteria and other system constraints. Capacity expansion models are used to identify cost-effective system resources. However, additional modeling in a detailed production cost model is necessary to verify the resource selections with respect to cost, reliability, and environmental compliance as well as to conduct an overall assessment of the performance of the portfolio.

Demand-Side Screening

Like supply-side resources, the impacts of potential demand-side resources are also factored into the integrated resource plan. The projected MW and MWH impacts for demand-side management resources are based on the energy efficiency measures and energy management programs included in DEF's 2015 DSM Plan and meet the goals established by the FPSC in December 2019 (Docket 20190018-EG).

Resource Integration and the Integrated Optimal Plan

The cost-effective generation alternatives are then optimized together with the demand-side portfolios developed in the screening process to formulate integrated optimal plans. The optimization program considers possible future combinations of supply- and demand-side alternatives that meet the Company's reliability criteria in each year of the ten-year study period and reports those that provide both flexibility and reasonable revenue requirements (rates) for DEF's customers. Candidate base plans are then evaluated using the production cost module of EnCompass. Production cost models maintain full chronology and load requirements in all hours simulating the hour-to-hour operation of the system. This provides hourly modeling of the portfolio dispatch and provides insights into the detailed energy production cost of a given portfolio, the emissions profile and helps to identify potential issues with unit operation and reliability.

a-c. DEF has not prepared a utility or BA specific LOLP study in the last several years. Because of the high level of integration of the DEF system into the FRCC system as a whole, the extensive use of reserve sharing and the existence of a single reliability coordinator for the state, it is more relevant to review data that incorporates the behavior of the entire interlinked system. In addition, over many years, DEF has established that maintaining the 20% utility reserve margin agreed to in previous PSC orders provides DEF with adequate resources to assure an LOLP below the 1 day in ten years target that is the industry standard. FRCC performs a state-wide LOLP analysis every other year in even numbered years. DEF, along with all FRCC members, contributes data to that analysis and participates in review of the results. Additional discussion of this subject can be found in DEF's response to LULAC Interrogatory 1-9.
d. DEF uses a planning reserve margin of 20%. This margin is mandated by the PSC in Docket No. 19981890-EU issued December 22, 1999.

34. What model or models does the Company use to assess resource adequacy?

Response:
FRCC uses the Tie-Line and Generation Reliability (TIGER) program along with an enhancement Java shell program that adds load forecast variations to determine loss of load probability (LOLP) and loss of load hours (LOLH). Please also see DEF's response to FL Rising's and LULAC's ROG 1-9.

35. Please provide the Company's historical monthly peak (MW) and monthly energy demand (MWh) load data for the years 2019 through 2023.

Response:
Please see attachment bearing Bates numbers 20240025-SIERRACLUBROG1-00000041 through 20240025-SIERRACLUBROG1-00000042.

36. Please provide the Company's forecast monthly peak (in MW) and monthly energy demand (in MWh) from 2024 through 2034.

Response:
Please see attachment bearing Bates numbers 20240025-SIERRACLUBROG1-00000042 through 20240025-SIERRACLUBROG1-00000045.

37. Has DEF assessed whether adding renewables or storage at the Crystal River site could create benefits for customers, including reducing their electricity rates, given that the historical retirement of thermal units at Crystal River qualifies the location as an "energy community" and allows new resources located there to receive substantial bonus tax credits under the Inflation Reduction Act?

Response:
DEF has considered the opportunity to site projects in the energy community area at Crystal River. At this time, no suitable sites for solar PV development have been identified. DEF has selected a site in the energy community zone for the location of the planned 100 MW 2027 battery included in this rate case. This area does include areas which could potentially be developed for additional battery energy storage. Accordingly, some future batteries in the DEF plan are coded as "energy community" projects. As the specifics of these projects emerge, DEF will consider the opportunity to reduce costs to our customers through the additional tax credits available for energy community location. These advantages will be assessed in light of other project attributes including transmission, land costs, and other project development characteristics.

38. Please provide the Company's estimated total available firm capacity in 2024. Include workpapers demonstrating the calculation of firm capacity.

Response:
Please see DEF's responses to Sierra Club interrogatories 1-30 and 1-32.

AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA

COUNTY OF CUMBERLAND

I hereby certify that on this _______ day of_________________, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared NED ALLIS who is personally known to me or has produced ________________________ as identification, and he acknowledged before me that he provided the answers to interrogatory number 5 from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on his personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this___day of_____________, 2024.

____
Ned Allis

____
Notary Public
Commonwealth of Pennsylvania

My Commission Expires:

____

AFFIDAVIT

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

I hereby certify that on this 1st day of May, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared NICOLE AQUILINA who is personally known to me or has produced drivers license as identification, and she acknowledged before me that she provided the answers to interrogatory number 6n from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 1st day of May, 2024.

ALEXIS CATHCART
NOTARY PUBLIC
MECKLENBURG COUNTY, NC

Nicole Aquilina

Nicole Aquilina

Alexis Cathcart

Notary Public
State of North Carolina

My Commission Expires:

4/20/2026

AFFIDAVIT

STATE OF FLORIDA

COUNTY OF PINELLAS

I hereby certify that on this ______day of_____________, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared BENJAMIN BORSCH who is personally known to me or has produced _________________________ as identification, and he acknowledged before me that he provided the answers to interrogatory numbers 1-2, 6m, 7a-j & l, 10, 19-26, 30-38 from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on his personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this___day of______________, 2024.

____
Benjamin Borsch

____
Notary Public
State of Florida, at Large

My Commission Expires:

____

AFFIDAVIT

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

I hereby certify that on this 29 day of April, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared KENNETH DAVIN who is personally known to me or has produced ________________ as identification, and he acknowledged before me that he provided the answers to interrogatory numbers 6m, 7l, 20, 21, 25, 26(a,b) from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on his personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 29th day of April, 2024.

Kenneth Davin

Mary B Vicknair

Notary Public
State of North Carolina

My Commission Expires:
09/21/2027

MARY B VICKNAIR
Notary Public, North Carolina
Davie County
My Commission Expires
September 21, 2027

AFFIDAVIT

STATE OF NEW YORK

COUNTY OF _________________

I hereby certify that on this ______day of__________________, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared VANESSA GOFF who is personally known to me or has produced _________________________ as identification, and she acknowledged before me that she provided the answers to interrogatory numbers 17, 18, and 27-29 from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this___day of______________, 2024.

____
Vanessa Goff

____
Notary Public
State of New York, at Large

My Commission Expires:

____

AFFIDAVIT

STATE OF FLORIDA

COUNTY OF PINELLAS

I hereby certify that on this 30th day of April, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared MARCIA OLIVIER who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory numbers 3 and 4b from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 30th day of April, 2024.

Marcia Olivier

Marcia Olivier

MONIQUE HAMPTOM
MY COMMISSION # HH 368082
EXPIRES: June 28, 2027

Notary Public
State of Florida, at Large

My Commission Expires:

____

0000AFFIDAVIT

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

I hereby certify that on this 29 day of April, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared PAIGE SWOFFORD who is personally known to me or has produced ________________________ as identification, and she acknowledged before me that she provided the answers to interrogatory numbers 15-16 from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 29th day of April, 2024.

TERESA RAY
My Commission Expires
NOTARY
PUBLIC
01-21-29
UNION COUNTY, NC

Paige Swofford
Paige Swofford

Teresa Ray
Notary Public
State of North Carolina

My Commission Expires:

01/21/29

AFFIDAVIT

STATE OF FLORIDA

COUNTY OF PINELLAS

I hereby certify that on this 29th day of April, 2024, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared PATRICIA WEST who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory numbers 12-14 from Sierra Club's First Set of Interrogatories to Duke Energy Florida, LLC (NOS 1-38) in Docket No. 20240025-EI, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 29th day of April, 2024.

Patricia West

Patricia West

Notary Public
State of Florida, at Large

JENIQUE LEE
MY COMMISSION # HH 420153
EXPIRES: July 11, 2027

My Commission Expires:

July 11th, 2027

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for rate increase by Duke Energy Florida, LLC.

Docket No. 20240025-EI

Dated: May 29, 2024

DUKE ENERGY FLORIDA, LLC'S SUPPLEMENTAL RESPONSE TO SIERRA CLUB'S FIRST SET OF INTERROGATORIES (NOS. 1-38)

Duke Energy Florida, LLC ("DEF") responds to Sierra Club's First Set of Interrogatories to DEF (Nos. 1-38), specifically 6 (j-k), as follows:

INTERROGATORIES

6. For Crystal River units 4 and 5, please provide the following historical data for the years 2018 to 2023 for each unit:

   j. Fixed O&M costs;
   k. Non-fuel variable costs;

Response:
Total Annual O&M at Crystal River Station
(Amounts in thousands):

2018 30,809
2019 26,913
2020 24,931
2021 23,722
2022 34,364
2023 29,339

The Company does not have the breakdown between fixed O&M and non-fuel variable costs for the actual costs provided. The costs above are total costs.

Duke Energy Florida, LLC
Sierra Club Rate Case ROG 1-7(a,b, c, d, e, f, g, h, and k)
Crystal River Units 4 & 5 Projected Data 2024 - 2034

Much of the requested unit performance data for thr period 2025-2027 can be found in Schedule F-8 of the Minimum Filing Requirement (MFR) documents submitted with the rate case filing, pages 356 - 376.
Some of that data is repeated here for convenience.

a & b. Installed Capacity (Net Summer Capacity) [1]

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	712	712	712	712	712	712	712	712	712	712	712
Crystal River 5	698	698	698	698	698	698	698	698	698	698	698

c. Generation (MWh)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	751,276	782,612	489,542	615,702	625,340	573,097	638,455	1,021,401	892,590	1,074,681	634,420
Crystal River 5	651,576	417,368	566,365	462,041	731,808	643,598	740,695	929,113	1,107,806	877,065	399,375

d. Capacity Factor

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	12%	12%	8%	10%	10%	9%	10%	16%	14%	17%	24%
Crystal River 5	10%	7%	9%	7%	12%	10%	12%	15%	18%	14%	15%

e. Equivalent Availability Factor (EAF)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	87%	89%	72%	90%	77%	84%	77%	84%	84%	84%	84%
Crystal River 5	72%	72%	88%	81%	90%	83%	90%	83%	90%	73%	91%

f. Average Heat Rate (BTU/KWh)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	11,581	11,418	11,740	11,723	12,213	12,128	12,084	11,422	11,386	11,269	11,035
Crystal River 5	11,086	11,093	11,039	11,148	10,956	10,944	10,985	10,888	10,685	10,731	10,478

g & h. Equivalent Unplanned Outage Rate (EUOR)[2]

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	10.8%	10.8%	10.8%	10.8%	15.0%	16.4%	15.3%	16.4%	16.4%	16.4%	16.6%
Crystal River 5	10.7%	10.7%	10.7%	10.7%	9.6%	8.5%	9.6%	8.8%	9.6%	7.7%	9.3%

k. Coal Fuel Costs ($000)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	37,142	41,751	27,518	34,029	35,592	33,372	35,235	51,099	42,668	51,537	30,558
Crystal River 5	32,213	22,266	31,836	25,536	37,366	33,817	37,159	44,308	49,697	40,052	18,266

k. Distillate Oil Fuel Costs ($000)

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	1,079	741	422	775	611	542	471	793	401	736	499
Crystal River 5	936	395	489	581	614	544	317	399	482	494	249

Notes

1. Duke Energy Florida does not participate in a Regional Transmission Organization (RTO) (e.g., PJM) and has not calculated an Unforced Capacity (UCAP) for its generation units.
2. The Company's production cost models use an Equivalent Unplanned Outage Rate (EUOR) for their forecasts instead of an Equivalent Demand Forced Outage Rate (EFORd) or Effective Equivalent Demand Forced Outage Rate (EEFORd). The EUOR represents the percentage of time a unit is unavailabe, outside of planned/scheduled outages, due to forced and maintenance outages, as well as unplanned derates.

7. For Crystal River 4 and 5, please provide the following projected data for the years 2024 through 2034:
i Fixed O&M costs
j. Non-fuel variable costs

RESPONSE:

Total O&M	2024	2025	2026	2027
Crystal River 4 and 5	40,834	46,276	45,838	44,509

Fixed O&M ($000)	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	18,445	18,928	19,263	23,965	24,171	21,391	8,317
Crystal River 5	24,679	20,747	21,140	21,524	23,227	22,541	9,175
	43,124	39,675	40,403	45,489	47,398	43,932	17,492

Variable O&M ($000)	2028	2029	2030	2031	2032	2033	2034
Crystal River 4	2,345	2,187	2,467	3,615	3,202	3,888	2,299
Crystal River 5	2,478	2,230	2,660	3,297	3,819	3,060	1,405
	4,822	4,417	5,127	6,912	7,022	6,948	3,704

Crystal River North (U4 and U5) Projects
Capital Investments for Years 2024 to 2027

Row #	Generation Station	Investment Name	In-Service Date (ISD)	2024	2025	2026	2027
			Total:	$ 16,240,862	$ 18,060,729	$ 17,053,032	$ 5,038,441
1	Crystal River North	CRN FGD Ball Mill Capital Parts Rep	11/1/2024	$ 605,531	$ -	$ -	$ -
2	Crystal River North	SmartGenCRN0RAT Kelmans	12/31/2024	$ 305,231	$ -	$ -	$ -
3	Crystal River North	SmartGenCRNWWTSBOP Vib	11/30/2024	$ 229,196	$ -	$ -	$ -
4	Crystal River North	CRN Replace 24 and 25 TP Roofs	3/1/2024	$ 159,000	$ -	$ -	$ -
5	Crystal River North	Crusher 03 Replacement	12/23/2025	$ -	$ 242,119	$ -	$ -
6	Crystal River North	Replace Unit 4 Flame Scanners	11/30/2026	$ -	$ -	$ 475,699	$ -
7	Crystal River North	BALL MILL LINER REPLACEMENT	4/1/2024	$ 192,210	$ -	$ -	$ -
8	Crystal River North	401 Aux Transformer Cooler	5/1/2024	$ 200,379	$ -	$ -	$ -
9	Crystal River North	CR4 SCR Ash Sweeper Installation	4/27/2026	$ -	$ -	$ 319,708	$ -
10	Crystal River North	CRN 2024 Region GMA	12/31/2023	$ 416,377			
11	Crystal River North	CRN 2024 Capital Optimization	12/31/2023	$ 5,100,000			
12	Crystal River North	CRN 2024 IT/Cyber	12/31/2024	$ 107,773			
13	Crystal River North	Template CR4 TurbineBFPT Valves	4/15/2024	$ 769,497	$ -	$ -	$ -
14	Crystal River North	CR4 Pulv Auto Wheel Loading System	12/31/2027	$ -	$ -	$ -	$ 1,111,704
15	Crystal River North	CR4 Gas Recirc Fan Rotor Replace	12/31/2027	$ -	$ -	$ -	$ 735,674
16	Crystal River North	407 Pulverizer Capital Part Repl	12/31/2024	$ 698,486	$ -	$ -	$ -
17	Crystal River North	Template CR4 BOP Outage	12/31/2026	$ -	$ -	$ 5,439,844	$ -
18	Crystal River North	CRN 2026 Region GMA	12/31/2023			$ 413,000	
19	Crystal River North	CRN 2026 Capital Optimization	12/31/2023			$ 6,460,000	
20	Crystal River North	CRN 2026 IT/Cyber	12/31/2026			$ 108,413	
21	Crystal River North	CR4 Bottom Ash Sluice Gate Repl	4/26/2024	$ 608,856	$ -	$ -	$ -
22	Crystal River North	CR4 CA A AR Pump Replacement	5/31/2024	$ 434,316	$ -	$ -	$ -
23	Crystal River North	CR4 CA B AR Pump Replacement	5/31/2024	$ 511,753	$ -	$ -	$ -
24	Crystal River North	CR4 CA D AR Pump Replacement	5/31/2024	$ 511,753	$ -	$ -	$ -
25	Crystal River North	CR4 CA E AR Pump Replacement	5/31/2024	$ 511,753	$ -	$ -	$ -
26	Crystal River North	CR4 Precip TR set Replacement (60)	3/31/2024	$ 232,266	$ -	$ -	$ -
27	Crystal River North	CR4 Precip Conts Internals replac	4/30/2025	$ 1,786,465	$ 1,045,785	$ 102,600	$ -
28	Crystal River North	CR4 Burner Replacement	4/15/2024	$ 64,219	$ -	$ -	$ -
29	Crystal River North	Replace CR4 CCW HE Iso Valves	4/15/2024	$ 130,549	$ -	$ -	$ -
30	Crystal River North	U5 Abs Sec Hydro Capital replace	10/1/2025	$ -	$ 166,177	$ -	$ -
31	Crystal River North	CR5 SCR Ash Sweeper Installation	4/27/2026	$ -	$ -	$ 314,501	$ -
32	Crystal River North	CR5 CA A AR PUMP REPLACEMENT	3/30/2026	$ -	$ -	$ 373,048	$ -
33	Crystal River North	CR5 CA E AR PUMP REPLACEMENT	3/30/2025	$ -	$ 363,947	$ -	$ -
34	Crystal River North	Template CR5 2025 BOP Outage	3/17/2025	$ -	$ 4,990,595	$ -	$ -
35	Crystal River North	CRN 2024 Region GMA	12/31/2023		$ 413,000		
36	Crystal River North	CRN 2025 Capital Optimization	12/31/2023		$ 5,700,000		
37	Crystal River North	CRN 2025 IT/Cyber	12/31/2025		$ 112,300		
38	Crystal River North	CR5 IsoPhase Bus Upgrade	12/8/2025	$ -	$ 1,309,724	$ -	$ -

Row #	Generation Station	Investment Name	In-Service Date (ISD)	2024	2025	2026	2027
39	Crystal River North	SMARTGENCRN U5 GEN MONITOR GFM	12/30/2025	$ -	$ 149,542	$ -	$ -
40	Crystal River North	CR5 Pulv Auto Wheel Loading System	12/31/2027	$ -	$ -	$ -	$ 1,114,171
41	Crystal River North	CR5 Flue Gas Recirc Fan Rotor Repl	12/31/2027	$ -	$ -	$ -	$ 787,320
42	Crystal River North	505 Pulverizer Capital Parts Repl	12/31/2025	$ -	$ 733,282	$ -	$ -
43	Crystal River North	CR5 Replace the BA Sluice Gates	12/30/2023	$ 214,684	$ -	$ -	$ -
44	Crystal River North	Replace CR5 CCW HE Iso Valves	11/25/2023	$ 130,549	$ -	$ -	$ -
45	Crystal River North	HCAD CRN Storage Building	12/31/2026	$ -	$ -	$ 258,125	$ -
46	Crystal River North	CRN Misc Capital Blanket 2024	12/31/2024	$ 1,289,573	$ -	$ -	$ -
47	Crystal River North	CRN Misc Capital Blanket 2025	12/31/2025	$ -	$ 1,289,573	$ -	$ -
48	Crystal River North	CRN Captial Blanket 2026	12/31/2026	$ -	$ -	$ 1,289,573	$ -
49	Crystal River North	CRN Misc Capital Blanket 2027	12/31/2027	$ -	$ -	$ -	$ 1,289,573
50	Crystal River North	CSS 501 DEWTRING DRAIN RPLCMNT	3/3/2026	$ -	$ -	$ 263,470	$ -
51	Crystal River North	CSS 502 DEWTRING DRAIN RPLCMNT	3/3/2026	$ -	$ -	$ 263,470	$ -
52	Crystal River North	CSS CRUSHER 04 BREAKER RPLCMNT	12/23/2024	$ 256,070	$ -	$ -	$ -
53	Crystal River North	HCADEng sump at Train unloader	12/1/2026	$ -	$ -	$ 145,582	$ -
54	Crystal River North	CRN D10T Replacement	8/1/2025	$ -	$ 770,310	$ -	$ -
55	Crystal River North	CSS 2024 Conveyor Capital Blanket	12/31/2024	$ 774,375	$ -	$ -	$ -
56	Crystal River North	CSS 2025 Conveyor Capital Blanket	12/31/2025	$ -	$ 774,375	$ -	$ -
57	Crystal River North	CSS 2026 Conveyor Capital Blanket	12/31/2026	$ -	$ -	$ 826,000	$ -

Sierra Club Interrogatory 1-24.

Third-party contract/facility	Contracted Capacity (MW)	Fuel	Capacity Cost $/MW-yr	Firm Capacity?
Orange Cogen	104	NG	775,000	Yes
Pasco County Resource Recovery	23	MSW	1,349,000	Yes
Pinellas County Resource Recovery	55	MSW	1,349,000	Yes
Polk Power Partners	115	NG	976,000	Yes
Vandolah	669	NG	61,000	Yes
Shady Hills	521	NG	52,000	Yes
Notes				
Third-party contracts continue into 2024. Capacity costs are current from 2023 YE totals.				

Duke Energy Florida, LLC
Sierra Club Rate Case ROG 1-26 a& b
Total Annual Short-Term Off-system Energy Purchases and Sales in MWhs and Dollars
Historical Data for 2018 through 2023

Year	Purchase Quantity (MWh)	Total Purchase Spend ($)
2018	245,840	$ 11,215,425
2019	117,603	$ 4,460,380
2020	117,120	$ 3,527,249
2021	588,268	$ 31,879,062
2022	583,612	$ 62,014,384
2023	471,464	$ 28,521,997

Year	Sale Quantity (MWh)	Total Sale Energy Charges ($)
2018	59,816	$ 5,271,570
2019	151,161	$ 6,664,636
2020	132,534	$ 3,980,548
2021	400,762	$ 13,890,730
2022	434,859	$ 26,328,122
2023	321,439	$ 9,981,320

Notes: Includes Short-Term purchases (Day Ahead, Real-Time, SEEM). Excludes Long Term purchases (QF, PPA, Tolling, Wholesale).

Duke Energy Florida, LLC
Sierra Club Rate Case ROG 1-26 a& b
Total Annual Long-Term Off-system Energy Purchases and Sales in MWhs and Dollars
Historical Data for 2018 through 2023

Year	Purchase Quantity (MWh)	Total Purchase Spend ($)
2018	6,586,832	$ 304,351,466
2019	4,884,648	$ 195,015,441
2020	4,248,933	$ 151,797,873
2021	4,098,221	$ 212,721,322
2022	4,664,052	$ 399,365,515
2023	3,354,180	$ 179,375,460

Notes: Includes PURPA Qualifying Facilities and long-term Purchase Power Agreements.

Year	Sale Quantity (MWh)	Total Sale Energy Charges ($)
2018	2,324,114	$ 58,668,550
2019	2,918,833	$ 74,208,989
2020	2,886,787	$ 73,796,736
2021	3,301,669	$ 122,534,948
2022	4,704,491	$ 311,981,913
2023	2,278,842	$ 80,151,055

Notes: Includes long-term requirement service contracts.

Summer Load and Resources by Fuel Type - Based on 2023 Fall Assumptions

2024 TYSP	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Summer Peak Demand	9,851	9,696	9,659	9,659	9,791	9,980	10,151	10,269	10,493	10,714	10,967
Demand Response											
AC	288	293	297	302	303	304	305	305	306	307	308
HEAT											
INTER	402	402	402	402	402	402	402	402	402	402	402
Standby	91	94	97	100	103	107	110	113	116	119	122
Voltage Red											
WaterHtr_PP	70	71	73	74	74	74	74	75	75	75	75
Total	851	860	869	878	882	886	891	895	899	903	907
Summer Firm Peak Demand	9,000	8,836	8,790	8,781	8,908	9,093	9,260	9,374	9,595	9,811	10,060
Coal											
Crystal 4	712	712	712	712	712	712	712	712	712	712	
Crystal 5	698	698	698	698	698	698	698	698	698	698	
Total	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	-
Natural Gas											
Anclote 1	508	508	508	508	508	508	508	508	508	508	508
Anclote 2	505	505	505	505	505	505	505	505	505	505	505
Bartow CC 1 0	1,043	1,132	1,132	1,132	1,132	1,132	1,132	1,132	1,132	1,132	1,132
Bartow CC 1 PAG	69	120	120	120	120	120	120	120	120	120	120
Citrus CC 1	742	742	764	764	764	764	764	764	764	764	764
Citrus CC 1 Duct	65	65	65	65	65	65	65	65	65	65	65
Citrus CC 2	742	742	764	764	764	764	764	764	764	764	764
Citrus CC 2 Duct	61	61	61	61	61	61	61	61	61	61	61
Hines CC 1	501	501	501	501	501	501	501	501	501	501	501
Hines CC 2	532	597	597	597	597	597	597	597	597	597	597
Hines CC 3	523	523	588	588	588	588	588	588	588	588	588
Hines CC 4	525	525	577	577	577	577	577	577	577	577	577
Osprey	223	223	539	539	539	539	539	539	539	539	539
Osprey DF	22	22	53	53	53	53	53	53	53	53	53
Tigerbay 1	199	199	221	221	221	221	221	221	221	221	221
BARTOW_P 2	41	41	41	41	41	41	41	41	41	41	
BARTOW_P 4	45	45	45	45	45	45	45	45	45	45	
DEBARY 7	74	74	74	74	74	74	74	74	74	74	74
DEBARY 8	75	75	75	75	75	75	75	75	75	75	75
DEBARY 9	76	76	76	76	76	76	76	76	76	76	76
INT CITY 7	78	78	78	78	78	78	78	78	78	78	78
INT CITY 8	77	77	77	77	77	77	77	77	77	77	77
INT CITY 9	77	77	77	77	77	77	77	77	77	77	77
INT CITY 10	74	74	74	74	74	74	74	74	74	74	74
INT CITY 12	73	73	73	73	73	73	73	73	73	73	73
INT CITY 13	73	73	73	73	73	73	73	73	73	73	73
INT CITY 14	73	73	73	73	73	73	73	73	73	73	73
SUWANNEE_P 1	48	48	48	48	48	48	48	48	48	48	
SUWANNEE_P 2	48	48	48	48	48	48	48	48	48	48	
SUWANNEE_P 3	49	49	49	49	49	49	49	49	49	49	
U OF FL 1	44	44	44	44	44	44	44	44	44	44	44
New CT 1									430	859	1,289
New CT 2											395
Battery 2 Hours				90	90	90	90	90	90	90	90
Battery 4 Hours											790
Total	7,285	7,491	8,021	8,111	8,111	8,111	8,111	8,111	8,540	8,970	10,353
Distillate Oil											
BARTOW_P 1	41	41	41								
BARTOW_P 3	41	41	41								
BAYBORO_P 1	44	44	44								
BAYBORO_P 2	21	21	21								
BAYBORO_P 3	43	43	43								
BAYBORO_P 4	43	43	43								
DEBARY 2	45	45	45								
DEBARY 3	45	45	45								
DEBARY 4	46	46	46								

Summer Load and Resources by Fuel Type - Based on 2023 Fall Assumptions											
DEBARY 5	45	45	45								
DEBARY 6	46	46	46								
DEBARY 10	72	72	72	72	72	72	72	72	72	72	72
INT CITY 1	45	45	45	45	45	45	45	45	45	45	
INT CITY 2	46	46	46	46	46	46	46	46	46	46	
INT CITY 3	46	46	46	46	46	46	46	46	46	46	
INT CITY 4	46	46	46	46	46	46	46	46	46	46	
INT CITY 5	45	45	45	45	45	45	45	45	45	45	
INT CITY 6	47	47	47	47	47	47	47	47	47	47	
INT CITY 11	140	140	140	140	140	140	140	140	140	140	140
Total	947	947	947	487	487	487	487	487	487	487	212
Sun											
Solar DEF Bailey Mill			19	19	19	18	18	18	18	18	18
Solar DEF Bay Ranch	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Bay Trail	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Charlie Creek	42	42	42	42	41	41	41	41	41	40	40
Solar DEF Columbia	42	42	41	41	41	41	41	40	40	40	40
Solar DEF County Line		43	42	42	42	42	42	41	41	41	41
Solar DEF Debary	33	33	33	32	32	32	32	32	32	31	31
Solar DEF Duette	42	42	42	41	41	41	41	41	40	40	40
Solar DEF Falmouth	43	42	42	42	42	42	41	41	41	41	41
Solar DEF Fort Green	33	33	33	33	33	33	32	32	32	32	32
Solar DEF Half Moon			19	19	19	18	18	18	18	18	18
Solar DEF Hamilton	42	41	41	41	41	41	40	40	40	40	40
Solar DEF Hardeetown	42	42	42	42	42	41	41	41	41	41	40
Solar DEF High Spring	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Hildreth	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Lake Placid	25	25	25	25	25	25	24	24	24	24	24
Solar DEF Mule Creek	43	42	42	42	42	42	41	41	41	41	41
Solar DEF NEW 1 PTC			56	112	112	111	110	110	109	109	108
Solar DEF NEW 2 PTC				37	75	74	74	74	73	73	72
Solar DEF NEW 3 PTC					30	67	112	171	230	289	348
Solar DEF Osc Perry Suw	8	8	8	8	8	7	7	7	7	7	7
Solar DEF Rattler			19	19	19	18	18	18	18	18	18
Solar DEF Sandy Creek	42	42	42	42	41	41	41	41	41	40	40
Solar DEF Santa Fe	42	42	42	41	41	41	41	41	40	40	40
Solar DEF St Pete Pier	0	0	0	0	0	0	0	0	0	0	0
Solar DEF Sundance		19	19	19	18	18	18	18	18	18	18
Solar DEF Trenton	42	42	41	41	41	41	41	40	40	40	40
Solar DEF Twin Rivers	42	42	42	41	41	41	41	41	40	40	40
Solar DEF Winquepin	43	42	42	42	42	42	41	41	41	41	41
SPS - Solar					15	30	45	44	44	44	44
SPS - Battery					40	80	120	120	120	120	120
Total	776	833	941	1,030	1,148	1,234	1,329	1,383	1,436	1,489	1,543
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Total UO Capacity	**10,418**	**10,681**	**11,319**	**11,038**	**11,155**	**11,242**	**11,336**	**11,390**	**11,873**	**12,356**	**12,108**
Natural Gas											
NSG Vand CT 1	164	164	164								
NSG Vand CT 2	164	164	164								
NSG Vand CT 3	164	164	164								
NSG Vand CT 4	164	164	164								
Shady Hills 1											
Shady Hills 2											
Shady Hills 3											
Mulberry	115										
Orange Cogen	104	104									
Total	874	759	655	-	-	-	-	-	-	-	-
MSW											
Pasco County	23	-	-	-	-	-	-	-	-	-	-
Pinellas County	55	-	-	-	-	-	-	-	-	-	-
Total	78	-	-	-	-	-	-	-	-	-	-
Firm Purchases	952	759	655	-	-	-	-	-	-	-	-

Summer Load and Resources by Fuel Type - Based on 2023 Fall Assumptions

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Total Firm Capacity-Summer	11,369	11,440	11,974	11,038	11,155	11,242	11,336	11,390	11,873	12,356	12,108
Summer Firm Peak Demand	9,000	8,836	8,790	8,781	8,908	9,093	9,260	9,374	9,595	9,811	10,060
Total Reserve MWs	2,369	2,603	3,184	2,257	2,247	2,149	2,076	2,016	2,279	2,545	2,048
Summer Reserve Magin	26.3%	29.5%	36.2%	25.7%	25.2%	23.6%	22.4%	21.5%	23.8%	25.9%	20.4%

Firm Capacity	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Coal	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	1,410	-
Natural Gas	8,159	8,249	8,675	8,111	8,111	8,111	8,111	8,111	8,540	8,970	10,353
Distillate Oil	947	947	947	487	487	487	487	487	487	487	212
Sun	776	833	941	1,030	1,148	1,234	1,329	1,383	1,436	1,489	1,543
MSW	78	-	-	-	-	-	-	-	-	-	-
	11,369	11,440	11,974	11,038	11,155	11,242	11,336	11,390	11,873	12,356	12,108

Firm Capacity	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Coal	12%	12%	12%	13%	13%	13%	12%	12%	12%	11%	0%
Natural Gas	72%	72%	72%	73%	73%	72%	72%	71%	72%	73%	86%
Distillate Oil	8%	8%	8%	4%	4%	4%	4%	4%	4%	4%	2%
Sun	7%	7%	8%	9%	10%	11%	12%	12%	12%	12%	13%
MSW	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Winter Load and Resources by Fuel Type - Based on 2023 Fall Assumptions

2024 TYSP	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Winter Peak Demand	10,109	10,360	10,384	10,437	9,959	10,078	10,247	10,312	10,425	10,516	10,693
Demand Response											
AC											
HEAT	508	514	520	527	527	528	529	530	531	531	532
INTER	388	388	388	388	388	388	388	388	388	388	388
Standby	87	90	93	96	100	103	106	109	112	115	119
Voltage Red	115	116	116	117	118	120	122	124	125	126	128
WaterHtr_PP	138	140	142	143	144	144	144	144	144	145	145
Total	1,237	1,248	1,260	1,272	1,277	1,283	1,289	1,295	1,300	1,306	1,312
Winter Firm Peak Demand	8,872	9,112	9,124	9,165	8,682	8,795	8,957	9,017	9,125	9,210	9,381
Coal											
Crystal 4	721	721	721	721	721	721	721	721	721	721	721
Crystal 5	721	721	721	721	721	721	721	721	721	721	721
Total	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442
Natural Gas											
Anclote 1	521	521	521	521	521	521	521	521	521	521	521
Anclote 2	514	514	514	514	514	514	514	514	514	514	514
Bartow CC 1 0	1,194	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323
Bartow CC 1 PAG	65	35	35	35	35	35	35	35	35	35	35
Citrus CC 1	860	860	860	882	882	882	882	882	882	882	882
Citrus CC 1 Duct	65	65	65	65	65	65	65	65	65	65	65
Citrus CC 2	860	860	860	882	882	882	882	882	882	882	882
Citrus CC 2 Duct	69	69	69	69	69	69	69	69	69	69	69
Hines CC 1	521	521	521	521	521	521	521	521	521	521	521
Hines CC 2	549	549	614	614	614	614	614	614	614	614	614
Hines CC 3	535	535	535	600	600	600	600	600	600	600	600
Hines CC 4	544	544	596	596	596	596	596	596	596	596	596
Osprey	245	229	585	585	585	585	585	585	585	585	585
Osprey DF		16	41	41	41	41	41	41	41	41	41
Tigerbay 1	230	230	230	252	252	252	252	252	252	252	252
BARTOW_P 2	53	53	53	53	53	53	53	53	53	53	53
BARTOW_P 4	58	58	58	58	58	58	58	58	58	58	58
DEBARY 7	93	93	93	93	93	93	93	93	93	93	93
DEBARY 8	94	94	94	94	94	94	94	94	94	94	94
DEBARY 9	94	94	94	94	94	94	94	94	94	94	94
INT CITY 7	90	90	90	90	90	90	90	90	90	90	90
INT CITY 8	88	88	88	88	88	88	88	88	88	88	88
INT CITY 9	88	88	88	88	88	88	88	88	88	88	88
INT CITY 10	86	86	86	86	86	86	86	86	86	86	86
INT CITY 12	89	89	89	89	89	89	89	89	89	89	89
INT CITY 13	91	91	91	91	91	91	91	91	91	91	91
INT CITY 14	90	90	90	90	90	90	90	90	90	90	90
SUWANNEE_P 1	65	65	65	65	65	65	65	65	65	65	65
SUWANNEE_P 2	64	64	64	64	64	64	64	64	64	64	64
SUWANNEE_P 3	65	65	65	65	65	65	65	65	65	65	65
U OF FL 1	50	50	50	50	50	50	50	50	50	50	50
New CT 1										469	938
New CT 2											
Battery 2 Hours					90	90	90	90	90	90	90
Battery 4 Hours											
Total	8,030	8,129	8,627	8,758	8,848	8,848	8,848	8,848	8,848	9,317	9,786
Distillate Oil											
BARTOW_P 1	50	50	50	50							
BARTOW_P 3	51	51	51	51							
BAYBORO_P 1	58	58	58								
BAYBORO_P 2	27	27	27								
BAYBORO_P 3	57	57	57								
BAYBORO_P 4	56	56	56								
DEBARY 2	57	57	57	57							
DEBARY 3	59	59	59	59							
DEBARY 4	59	59	59	59							

Winter Load and Resources by Fuel Type - Based on 2023 Fall Assumptions

DEBARY 5	58	58	58	58							
DEBARY 6	59	59	59	59							
DEBARY 10	88	88	88	88	88	88	88	88	88	88	88
INT CITY 1	61	61	61	61	61	61	61	61	61	61	61
INT CITY 2	60	60	60	60	60	60	60	60	60	60	60
INT CITY 3	61	61	61	61	61	61	61	61	61	61	61
INT CITY 4	62	62	62	62	62	62	62	62	62	62	62
INT CITY 5	59	59	59	59	59	59	59	59	59	59	59
INT CITY 6	60	60	60	60	60	60	60	60	60	60	60
INT CITY 11	161	161	161	161	161	161	161	161	161	161	161
Total	1,203	1,203	1,203	1,005	612	612	612	612	612	612	612
SUN											
Solar DEF Bailey Mill	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Bay Ranch	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Bay Trail	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Charlie Creek	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Columbia	-	-	-	-	-	-	-	-	-	-	-
Solar DEF County Line	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Debary	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Duette	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Falmouth	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Fort Green	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Half Moon	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Hamilton	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Hardeetown	-	-	-	-	-	-	-	-	-	-	-
Solar DEF High Spring	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Hildreth	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Lake Placid	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Mule Creek	-	-	-	-	-	-	-	-	-	-	-
Solar DEF NEW 1 PTC	-	-	-	-	-	-	-	-	-	-	-
Solar DEF NEW 2 PTC	-	-	-	-	-	-	-	-	-	-	-
Solar DEF NEW 3 PTC	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Osc Perry Suw	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Rattler	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Sandy Creek	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Santa Fe	-	-	-	-	-	-	-	-	-	-	-
Solar DEF St Pete Pier	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Sundance	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Trenton	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Twin Rivers	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Winquepin	-	-	-	-	-	-	-	-	-	-	-
SPS - Solar	-	-	-	-	-	-	-	-	-	-	-
SPS - Battery						72	144	216	216	216	216
Total	-	-	-	-	-	72	144	216	216	216	216
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Total UO Capacity	**10,675**	**10,774**	**11,272**	**11,205**	**10,902**	**10,974**	**11,046**	**11,118**	**11,118**	**11,587**	**12,056**
Natural Gas											
NSG Vand CT 1	175	175	175	175							
NSG Vand CT 2	175	175	175	175							
NSG Vand CT 3	175	175	175	175							
NSG Vand CT 4	175	175	175	175							
Shady Hills 1	175										
Shady Hills 2	175										
Shady Hills 3	175										
Mulberry	115										
Orange Cogen	104	104									
Total	1,442	803	699	699	-	-	-	-	-	-	-
MSW											
Pasco County	23	-	-	-	-	-	-	-	-	-	-
Pinellas County	55	-	-	-	-	-	-	-	-	-	-
Total	78	-	-	-	-	-	-	-	-	-	-
Firm Purchases	1,520	803	699	699	-	-	-	-	-	-	-

Winter Load and Resources by Fuel Type - Based on 2023 Fall Assumptions

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Total Firm Capacity-Winter	12,195	11,577	11,971	11,904	10,902	10,974	11,046	11,118	11,118	11,587	12,056
Winter Firm Peak Demand	8,872	9,112	9,124	9,165	8,682	8,795	8,957	9,017	9,125	9,210	9,381
Total Reserve MWs	3,323	2,465	2,847	2,739	2,220	2,179	2,089	2,100	1,993	2,377	2,676
Winter Reserve Magin	37.4%	27.1%	31.2%	29.9%	25.6%	24.8%	23.3%	23.3%	21.8%	25.8%	28.5%

Firm Capacity	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Coal	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442	1,442
Natural Gas	9,472	8,932	9,326	9,457	8,848	8,848	8,848	8,848	8,848	9,317	9,786
Distillate Oil	1,203	1,203	1,203	1,005	612	612	612	612	612	612	612
Sun	-	-	-	-	-	72	144	216	216	216	216
MSW	78	-	-	-	-	-	-	-	-	-	-
	12,195	11,577	11,971	11,904	10,902	10,974	11,046	11,118	11,118	11,587	12,056

Firm Capacity	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Coal	12%	12%	12%	12%	13%	13%	13%	13%	13%	12%	12%
Natural Gas	78%	77%	78%	79%	81%	81%	80%	80%	80%	80%	81%
Distillate Oil	10%	10%	10%	8%	6%	6%	6%	6%	6%	5%	5%
Sun	0%	0%	0%	0%	0%	1%	1%	2%	2%	2%	2%
MSW	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Summer Load and Resources - Based on 2023 Fall Assumptions

2024 TYSP	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Summer Peak Demand	9,851	9,696	9,659	9,659	9,791	9,980	10,151	10,269	10,493	10,714	10,967
Demand Response											
AC	288	293	297	302	303	304	305	305	306	307	308
HEAT											
INTER	402	402	402	402	402	402	402	402	402	402	402
Standby	91	94	97	100	103	107	110	113	116	119	122
Voltage Red											
WaterHtr_PP	70	71	73	74	74	74	74	75	75	75	75
Total	851	860	869	878	882	886	891	895	899	903	907
Summer Firm Peak Demand	9,000	8,836	8,790	8,781	8,908	9,093	9,260	9,374	9,595	9,811	10,060
Steam Units											
Crystal 4	712	712	712	712	712	712	712	712	712	712	
Crystal 5	698	698	698	698	698	698	698	698	698	698	
Anclote 1	508	508	508	508	508	508	508	508	508	508	508
Anclote 2	505	505	505	505	505	505	505	505	505	505	505
Total	2,423	2,423	2,423	2,423	2,423	2,423	2,423	2,423	2,423	2,423	1,013
Combined Cycles											
Bartow CC 1 0	1,043	1,132	1,132	1,132	1,132	1,132	1,132	1,132	1,132	1,132	1,132
Bartow CC 1 PAG	69	120	120	120	120	120	120	120	120	120	120
Citrus CC 1	742	742	764	764	764	764	764	764	764	764	764
Citrus CC 1 Duct	65	65	65	65	65	65	65	65	65	65	65
Citrus CC 2	742	742	764	764	764	764	764	764	764	764	764
Citrus CC 2 Duct	61	61	61	61	61	61	61	61	61	61	61
Hines CC 1	501	501	501	501	501	501	501	501	501	501	501
Hines CC 2	532	597	597	597	597	597	597	597	597	597	597
Hines CC 3	523	523	588	588	588	588	588	588	588	588	588
Hines CC 4	525	525	577	577	577	577	577	577	577	577	577
Osprey	223	223	539	539	539	539	539	539	539	539	539
Osprey DF	22	22	53	53	53	53	53	53	53	53	53
Tigerbay 1	199	199	221	221	221	221	221	221	221	221	221
Total	5,247	5,453	5,983	5,983	5,983	5,983	5,983	5,983	5,983	5,983	5,983
Combustion Turbines											
BARTOW_P 1	41	41	41								
BARTOW_P 2	41	41	41	41	41	41	41	41	41	41	
BARTOW_P 3	41	41	41								
BARTOW_P 4	45	45	45	45	45	45	45	45	45	45	
BAYBORO_P 1	44	44	44								
BAYBORO_P 2	21	21	21								
BAYBORO_P 3	43	43	43								
BAYBORO_P 4	43	43	43								
DEBARY 2	45	45	45								
DEBARY 3	45	45	45								
DEBARY 4	46	46	46								
DEBARY 5	45	45	45								
DEBARY 6	46	46	46								
DEBARY 7	74	74	74	74	74	74	74	74	74	74	74
DEBARY 8	75	75	75	75	75	75	75	75	75	75	75
DEBARY 9	76	76	76	76	76	76	76	76	76	76	76
DEBARY 10	72	72	72	72	72	72	72	72	72	72	72
INT CITY 1	45	45	45	45	45	45	45	45	45	45	
INT CITY 2	46	46	46	46	46	46	46	46	46	46	
INT CITY 3	46	46	46	46	46	46	46	46	46	46	
INT CITY 4	46	46	46	46	46	46	46	46	46	46	
INT CITY 5	45	45	45	45	45	45	45	45	45	45	
INT CITY 6	47	47	47	47	47	47	47	47	47	47	
INT CITY 7	78	78	78	78	78	78	78	78	78	78	78
INT CITY 8	77	77	77	77	77	77	77	77	77	77	77
INT CITY 9	77	77	77	77	77	77	77	77	77	77	77
INT CITY 10	74	74	74	74	74	74	74	74	74	74	74
INT CITY 11	140	140	140	140	140	140	140	140	140	140	140
INT CITY 12	73	73	73	73	73	73	73	73	73	73	73

Summer Load and Resources - Based on 2023 Fall Assumptions											
INT CITY 13	73	73	73	73	73	73	73	73	73	73	73
INT CITY 14	73	73	73	73	73	73	73	73	73	73	73
SUWANNEE_P 1	48	48	48	48	48	48	48	48	48	48	
SUWANNEE_P 2	48	48	48	48	48	48	48	48	48	48	
SUWANNEE_P 3	49	49	49	49	49	49	49	49	49	49	
U OF FL 1	44	44	44	44	44	44	44	44	44	44	44
New CT 1									430	859	1,289
New CT 2											395
Total	1,972	1,972	1,972	1,512	1,512	1,512	1,512	1,512	1,942	2,371	2,690
Solar Unis											
Solar DEF Bailey Mill			19	19	19	18	18	18	18	18	18
Solar DEF Bay Ranch	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Bay Trail	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Charlie Creek	42	42	42	42	41	41	41	41	41	40	40
Solar DEF Columbia	42	42	41	41	41	41	41	40	40	40	40
Solar DEF County Line		43	42	42	42	42	42	41	41	41	41
Solar DEF Debary	33	33	33	32	32	32	32	32	32	31	31
Solar DEF Duette	42	42	42	41	41	41	41	41	40	40	40
Solar DEF Falmouth	43	42	42	42	42	42	42	41	41	41	41
Solar DEF Fort Green	33	33	33	33	33	33	32	32	32	32	32
Solar DEF Half Moon			19	19	19	18	18	18	18	18	18
Solar DEF Hamilton	42	41	41	41	41	41	40	40	40	40	40
Solar DEF Hardeetown	42	42	42	42	42	41	41	41	41	41	40
Solar DEF High Spring	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Hildreth	42	42	42	42	42	41	41	41	41	41	40
Solar DEF Lake Placid	25	25	25	25	25	25	24	24	24	24	24
Solar DEF Mule Creek	43	42	42	42	42	42	41	41	41	41	41
Solar DEF NEW 1 PTC			56	112	112	111	110	110	109	109	108
Solar DEF NEW 2 PTC				37	75	74	74	74	73	73	72
Solar DEF NEW 3 PTC					30	67	112	171	230	289	348
Solar DEF Osc Perry Suw	8	8	8	8	8	7	7	7	7	7	7
Solar DEF Rattler			19	19	19	18	18	18	18	18	18
Solar DEF Sandy Creek	42	42	42	42	41	41	41	41	41	40	40
Solar DEF Santa Fe	42	42	42	41	41	41	41	41	40	40	40
Solar DEF St Pete Pier	0	0	0	0	0	0	0	0	0	0	0
Solar DEF Sundance		19	19	19	18	18	18	18	18	18	18
Solar DEF Trenton	42	42	41	41	41	41	41	40	40	40	40
Solar DEF Twin Rivers	42	42	42	41	41	41	41	41	40	40	40
Solar DEF Winquepin	43	42	42	42	42	42	41	41	41	41	41
Total	776	833	941	1,030	1,093	1,125	1,164	1,218	1,272	1,325	1,379
Solar plus Storage											
SPS - Solar					15	30	45	44	44	44	44
SPS - Battery					40	80	120	120	120	120	120
Total	-	-	-	-	55	110	165	164	164	164	164
Storage Resources											
Battery 2 Hours				90	90	90	90	90	90	90	90
Battery 4 Hours											790
Total	-	-	-	90	90	90	90	90	90	90	880
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Total UO Capacity	**10,418**	**10,681**	**11,319**	**11,038**	**11,155**	**11,242**	**11,336**	**11,390**	**11,873**	**12,356**	**12,108**
PPAs											
NSG Vand CT 1	164	164	164								
NSG Vand CT 2	164	164	164								
NSG Vand CT 3	164	164	164								
NSG Vand CT 4	164	164	164								
Shady Hills 1											
Shady Hills 2											
Shady Hills 3											
Total	655	655	655	-	-	-	-	-	-	-	-
MSW											
Pasco County	23	-	-	-	-	-	-	-	-	-	-

Summer Load and Resources - Based on 2023 Fall Assumptions											
Pinellas County	55	-	-	-	-	-	-	-	-	-	-
Total	78	-	-	-	-	-	-	-	-	-	-
QF											
Mulberry	115										
Orange Cogen	104	104									
Total	219	104	-	-	-	-	-	-	-	-	-
Firm Purchases	952	759	655	-	-	-	-	-	-	-	-
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Total Firm Capacity-Summer	11,369	11,440	11,974	11,038	11,155	11,242	11,336	11,390	11,873	12,356	12,108
Summer Firm Peak Demand	9,000	8,836	8,790	8,781	8,908	9,093	9,260	9,374	9,595	9,811	10,060
Total Reserve MWs	2,369	2,603	3,184	2,257	2,247	2,149	2,076	2,016	2,279	2,545	2,048
Summer Reserve Magin	26.3%	29.5%	36.2%	25.7%	25.2%	23.6%	22.4%	21.5%	23.8%	25.9%	20.4%

Winter Load and Resources - Based on 2023 Fall Assumptions

2024 TYSP	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Winter Peak Demand	10,109	10,360	10,384	10,437	9,959	10,078	10,247	10,312	10,425	10,516	10,693
Demand Response											
AC											
HEAT	508	514	520	527	527	528	529	530	531	531	532
INTER	388	388	388	388	388	388	388	388	388	388	388
Standby	87	90	93	96	100	103	106	109	112	115	119
Voltage Red	115	116	116	117	118	120	122	124	125	126	128
WaterHtr_PP	138	140	142	143	144	144	144	144	144	145	145
Total	1,237	1,248	1,260	1,272	1,277	1,283	1,289	1,295	1,300	1,306	1,312
Winter Firm Peak Demand	8,872	9,112	9,124	9,165	8,682	8,795	8,957	9,017	9,125	9,210	9,381
Steam Units											
Anclote 1	521	521	521	521	521	521	521	521	521	521	521
Anclote 2	514	514	514	514	514	514	514	514	514	514	514
Crystal 4	721	721	721	721	721	721	721	721	721	721	721
Crystal 5	721	721	721	721	721	721	721	721	721	721	721
Total	2,477	2,477	2,477	2,477	2,477	2,477	2,477	2,477	2,477	2,477	2,477
Combined Cycles											
Bartow CC 1 0	1,194	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323	1,323
Bartow CC 1 PAG	65	35	35	35	35	35	35	35	35	35	35
Citrus CC 1	860	860	860	882	882	882	882	882	882	882	882
Citrus CC 1 Duct	65	65	65	65	65	65	65	65	65	65	65
Citrus CC 2	860	860	860	882	882	882	882	882	882	882	882
Citrus CC 2 Duct	69	69	69	69	69	69	69	69	69	69	69
Hines CC 1	521	521	521	521	521	521	521	521	521	521	521
Hines CC 2	549	549	614	614	614	614	614	614	614	614	614
Hines CC 3	535	535	535	600	600	600	600	600	600	600	600
Hines CC 4	544	544	596	596	596	596	596	596	596	596	596
Osprey	245	229	585	585	585	585	585	585	585	585	585
Osprey DF		16	41	41	41	41	41	41	41	41	41
Tigerbay 1	230	230	230	252	252	252	252	252	252	252	252
Total	5,737	5,836	6,334	6,465	6,465	6,465	6,465	6,465	6,465	6,465	6,465
Combustion Turbines											
BARTOW_P 1	50	50	50	50							
BARTOW_P 2	53	53	53	53	53	53	53	53	53	53	53
BARTOW_P 3	51	51	51	51							
BARTOW_P 4	58	58	58	58	58	58	58	58	58	58	58
BAYBORO_P 1	58	58	58								
BAYBORO_P 2	27	27	27								
BAYBORO_P 3	57	57	57								
BAYBORO_P 4	56	56	56								
DEBARY 2	57	57	57	57							
DEBARY 3	59	59	59	59							
DEBARY 4	59	59	59	59							
DEBARY 5	58	58	58	58							
DEBARY 6	59	59	59	59							
DEBARY 7	93	93	93	93	93	93	93	93	93	93	93
DEBARY 8	94	94	94	94	94	94	94	94	94	94	94
DEBARY 9	94	94	94	94	94	94	94	94	94	94	94
DEBARY 10	88	88	88	88	88	88	88	88	88	88	88
INT CITY 1	61	61	61	61	61	61	61	61	61	61	61
INT CITY 2	60	60	60	60	60	60	60	60	60	60	60
INT CITY 3	61	61	61	61	61	61	61	61	61	61	61
INT CITY 4	62	62	62	62	62	62	62	62	62	62	62
INT CITY 5	59	59	59	59	59	59	59	59	59	59	59
INT CITY 6	60	60	60	60	60	60	60	60	60	60	60
INT CITY 7	90	90	90	90	90	90	90	90	90	90	90
INT CITY 8	88	88	88	88	88	88	88	88	88	88	88
INT CITY 9	88	88	88	88	88	88	88	88	88	88	88
INT CITY 10	86	86	86	86	86	86	86	86	86	86	86
INT CITY 11	161	161	161	161	161	161	161	161	161	161	161
INT CITY 12	89	89	89	89	89	89	89	89	89	89	89

Winter Load and Resources - Based on 2023 Fall Assumptions

2024 TYSP	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
INT CITY 13	91	91	91	91	91	91	91	91	91	91	91
INT CITY 14	90	90	90	90	90	90	90	90	90	90	90
SUWANNEE_P 1	65	65	65	65	65	65	65	65	65	65	65
SUWANNEE_P 2	64	64	64	64	64	64	64	64	64	64	64
SUWANNEE_P 3	65	65	65	65	65	65	65	65	65	65	65
U OF FL 1	50	50	50	50	50	50	50	50	50	50	50
New CT 1										469	938
New CT 2											
Total	2,461	2,461	2,461	2,263	1,870	1,870	1,870	1,870	1,870	2,339	2,808
Solar Unis	0	0	0	0	0	0	0	0	0	0	0
Solar DEF Bailey Mill	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Bay Ranch	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Bay Trail	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Charlie Creek	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Columbia	-	-	-	-	-	-	-	-	-	-	-
Solar DEF County Line	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Debary	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Duette	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Falmouth	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Fort Green	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Half Moon	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Hamilton	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Hardeetown	-	-	-	-	-	-	-	-	-	-	-
Solar DEF High Spring	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Hildreth	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Lake Placid	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Mule Creek	-	-	-	-	-	-	-	-	-	-	-
Solar DEF NEW 1 PTC	-	-	-	-	-	-	-	-	-	-	-
Solar DEF NEW 2 PTC	-	-	-	-	-	-	-	-	-	-	-
Solar DEF NEW 3 PTC	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Osc Perry Suw	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Rattler	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Sandy Creek	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Santa Fe	-	-	-	-	-	-	-	-	-	-	-
Solar DEF St Pete Pier	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Sundance	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Trenton	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Twin Rivers	-	-	-	-	-	-	-	-	-	-	-
Solar DEF Winquepin	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-
Solar plus Storage											
SPS - Solar											
SPS - Battery						72	144	216	216	216	216
Total	-	-	-	-	-	72	144	216	216	216	216
Storage Resources											
Battery 2 Hours					90	90	90	90	90	90	90
Battery 4 Hours											
Total	-	-	-	-	90	90	90	90	90	90	90
	2024	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**	**2033**	**2034**
Total UO Capacity	**10,675**	**10,774**	**11,272**	**11,205**	**10,902**	**10,974**	**11,046**	**11,118**	**11,118**	**11,587**	**12,056**
PPA											
NSG Vand CT 1	175	175	175	175							
NSG Vand CT 2	175	175	175	175							
NSG Vand CT 3	175	175	175	175							
NSG Vand CT 4	175	175	175	175							
Shady Hills 1	175										
Shady Hills 2	175										
Shady Hills 3	175										
Total	1,223	699	699	699	-	-	-	-	-	-	-
MSW											

Winter Load and Resources - Based on 2023 Fall Assumptions											
2024 TYSP	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Pasco County	23	-	-	-	-	-	-	-	-	-	-
Pinellas County	55	-	-	-	-	-	-	-	-	-	-
Total	78	-	-	-	-	-	-	-	-	-	-
QF											
Mulberry	115										
Orange Cogen	104	104									
Total	219	104	-	-	-	-	-	-	-	-	-
Firm Purchases	1,520	803	699	699	-	-	-	-	-	-	-

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Total Firm Capacity-Winter	12,195	11,577	11,971	11,904	10,902	10,974	11,046	11,118	11,118	11,587	12,056
Winter Firm Peak Demand	8,872	9,112	9,124	9,165	8,682	8,795	8,957	9,017	9,125	9,210	9,381
Total Reserve MWs	3,323	2,465	2,847	2,739	2,220	2,179	2,089	2,100	1,993	2,377	2,676
Winter Reserve Magin	37.4%	27.1%	31.2%	29.9%	25.6%	24.8%	23.3%	23.3%	21.8%	25.8%	28.5%

6/25/20 at 1700 hour
8/19/21 at 1700 hour
6/15/22 at 1700 hour
8/11/23 at 1800 hour

47. Witness Anderson's testimony notes that DEF occasionally purchases power in lieu of starting up older, less efficient generating units. How often does DEF elect to purchase power rather than starting up Crystal River units 4 and 5?

    a. Please list the dates on which Duke has purchased power in lieu of starting up these two older coal units.

Response:
DEF will sometimes purchase power in lieu of starting up older, less efficient gas and oil simple cycle combustion turbines for short periods of time. However, DEF does not have access to power purchases of large enough volume and long enough duration to economically avoid starting up baseload type generation, such as Crystal River 4 and 5, that would be required to run for extended periods of time. Therefore, DEF does not elect to purchase power as an alternative to starting up Crystal River Units 4 and 5.

a) As DEF is generally unable to purchase power of large enough volume and for long enough duration to economically displace starts on Crystal River 4 and 5, there are no dates to report.

48. Witness Anderson explains that, through DEF's long-range planning process, DEF invests "Capex and O&M in the fleet's most efficient and responsive units first." Would Crystal River units 4 and 5 be considered relatively less efficient (*i.e.*, would not fall within the category of DEF's "most efficient" units), as compared with DEF's other units?

    a. If so, how are capital investments in environmental compliance at Crystal River units 4 and 5 prioritized relative to investments at DEF's more efficient plants?

    b. If a new federal rule requiring, for example, additional remediation of coal ash or additional emission reductions from coal plants requires environmental compliance measures to be implemented at Crystal River units 4 and 5, would these measures be prioritized over the Capex and O&M expenses associated with DEF's more efficient units?

Response:
As DEF's only remaining coal units, Crystal River Units 4 and 5 are less efficient when compared to the Company's combined cycle units from a capacity factor perspective

but are needed to ensure reliable service as DEF continues to transition to a cleaner, more efficient fleet.

a. DEF adheres to all environmental regulations and policies. Environmental compliance, safety and reliability projects are the highest priority projects for capital funding regardless of location or type of facility.

b. Please see DEF's objections filed simultaneously with this response.

49. Witness Borsch calculates reductions in DEF's total SO2, NOx, and CO2 emissions since 2005.

a. Has DEF calculated its projected SO2, NOx, and CO2 emission reductions if it were to retire Crystal River units 4 and 5?

i. If so, please provide those estimated reductions.

<u>Response:</u>

a. DEF has estimated its projected system's SO2, NOx, and CO2 emission reductions if it were to retire Crystal River units 4 and 5 (CRN) in year 2034 (2024 TYSP).

i. The estimated reductions compared to 2005 emissions are:

Tons	SO2	NOX	CO2
2005	155,543	57,609	29,439,666
2035	71	2,347	13,910,193

	SO2	NOX	CO2
2035	-99.95%	-95.93%	-52.75%

Variance reflects all DEF system changes from 2005 to 2035 (e.g. other unit retirements and solar additions), including retirement of CR4 & 5.

50. Exhibit JTK-2 indicates that one of the decommissioning costs at Crystal River is "closure of the ash landfill" and lists specific remediation measures that are involved in closing the ash landfill. How did DEF decide which remediation measures to include in this list?

a. Is this list of remediation measures based on requirements set forth in any state or federal rule?

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for rate increase by Duke Energy Florida, LLC.

Docket No. 20240025-EI

Dated: May 16, 2024

DUKE ENERGY FLORIDA, LLC'S RESPONSE TO
SIERRA CLUB'S THIRD SET OF INTERROGATORIES (NOS. 76-90)

Duke Energy Florida, LLC ("DEF") responds to Sierra Club ("Sierra Club") Third Set of Interrogatories to DEF (Nos. 76-90) as follows:

INTERROGATORIES

Topic: Crystal River

76. Please provide the amount of sustaining capital cost that DEF has included in the rate base for Crystal River Units 4 and 5:

    a. For the prior year ended 12/31/2024;

    b. For the historical test year ended 12/31/2023; and

    c. For each projected test year.

Response:

Please note: DEF does not differentiate capital into "sustaining capital."

a. Please reference the attachment "DEF Generation Capital Investment '24-27" provided in response to LULAC ROG 1-10.

b. Please reference the response to Sierra Club ROG 1-6.

c. Please reference the attachment "DEF Generation Capital Investment '24-27" provided in response to LULAC ROG 1-10.

77. Please describe the types of agreements and transactions that provide fuel for Crystal River Units 4 and 5.

b. Please describe the parts and controls replacements that the Company plans to undertake.

c. Please explain the basis for the Company's assertion that "[t]hese parts and controls replacements are necessary to prevent failure and unit shutdown prior to exceeding the air permit."

d. If these parts and controls replacements did not occur, how long could Crystal River Unit 4 continue to operate while remaining in compliance with the air permit?

Response:

a. The precipitator controls degraded over 40 years, and replacement materials were not available from DEF's vendors due to being obsolete.

b. DEF replaced failed collector plates, internal support structures and electrical components, all collapsed collector plates, and modernized the obsolete precipitator controls.

c. DEF needed to improve precipitator opacity performance at Crystal River Units 4&5.

d. These replacements and upgrades were needed to extend the life of this equipment and maintain environmental compliance until the Crystal River North Units are expected to be retired in 2034. DEF could not continue to operate the units reliably beyond 2024 without replacing structure components and modernizing its equipment.

95. Has Duke conducted any analyses on costs that could be avoided through the U.S. Department of Energy's Energy Infrastructure Reinvestment ("EIR") program?

a. If so, for which generation units has Duke undertaken these analyses?

b. Does Duke have any plans to apply for funding via the EIR program?

Response:

a. No, Duke Energy has not conducted an analysis on the EIR program.
b. N/A.
c. Not at this time.

96. Regarding Duke's disposal of coal ash at Crystal River:

a. How much does DEF estimate it will cost to properly move all existing coal ash into lined basins?

b. How much does DEF estimate it will cost to properly dispose of new coal ash?

Exhibit RA-3:
Duke Energy Florida's 2024 Ten-Year Site Plan

Stephanie A. Cuello
SENIOR COUNSEL

April 22, 2024

VIA ELECTRONIC DELIVERY

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

Re: Ten-Year Site Plan as of December 31, 2023; Undocketed

Dear Mr. Teitzman:

Pursuant to Rule 25-22.071, F.A.C., please find enclosed for filing Duke Energy Florida, LLC's, 2024 Amended Ten-Year Site Plan. DEF discovered an inadvertent error in the coal price forecast, which caused a change to Schedules 5, 6.1, 6.2 and a portion of 9.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/clg
Attachments

cc: Greg Davis, GDavis@psc.state.fl.us and Phillip Ellis, PEllis@psc.state.fl.us, Division of Engineering, FPSC

106 East College Avenue, Suite 800, Tallahassee, FL 32301 ▪ Phone: 850.521.1425
▪ Email: stephanie.cuello@duke-energy.com

Duke Energy Florida, LLC
Ten-Year Site Plan

April 2024

2024-2033

Submitted to:
Florida Public Service Commission

TABLE OF CONTENTS

	Page
List of Required Schedules	iii
List of Tables and Figures	iv
Code Identification Sheet	v
Executive Summary	1
Introduction	3
CHAPTER 1 DESCRIPTION OF EXISTING FACILITIES	
Existing Facilities Overview	1-1
Service Area Map	1-2
Existing Generating Facilities (Schedule 1)	1-3
CHAPTER 2 FORECAST OF ELECTRIC POWER DEMAND AND ENERGY CONSUMPTION	
Overview	2-1
Energy Consumption and Demand Forecast Schedules	2-5
History and Forecast of Energy Consumption & Number of Customers by Customer Class (Sch. 2.1.1-2.3.3)	2-6
History and Forecast of Base Summer Peak Demand (MW) (Sch. 3.1.1/3.1.2/3.1.3)	2-15
History and Forecast of Base Winter Peak Demand (MW) (Sch. 3.2.1/3.2.2/3.2.3)	2-18
History and Forecast of Base Annual Net Energy for Load (GWh) (Sch. 3.3.1/3.3.2/3.3.3)	2-21
Previous Year Actual/Two-Year Forecast of Peak Demand/Net Energy for Load by Month (Sch. 4.1/4.2/4.3)	2-24
Fuel Requirements and Energy Sources	2-27
Fuel Requirements (Sch. 5)	2-28
Energy Sources (GWh) (Sch. 6.1)	2-29
Energy Sources (Percent) (Sch. 6.2)	2-30
Forecasting Methods and Procedures	2-31
Introduction	2-31
Forecast Assumptions	2-31
Customer, Energy, and Demand Forecast	2-32
General Assumptions	2-33
Economic Assumptions	2-35
Forecast Methodology	2-36
Energy and Customer Forecast	2-37
Peak Demand Forecast	2-41
High and Low Scenarios	2-42

TABLE OF CONTENTS (Continued)

Demand Side Management…… 2-43
Residential Demand Side Management Programs…… 2-43
Commercial/Industrial Demand Side Management Programs…… 2-45
Other DSM Programs …… 2-46

CHAPTER 3 FORECAST OF FACILITIES REQUIREMENTS

Resource Planning Forecast…… 3-1
Overview of Current Forecast…… 3-1
Total Capacity Resources of Power Plants and Purchased Power Contracts (Table 3.1)…… 3-5
Qualifying Facility Generation Contracts (Table 3.2)…… 3-6
Forecast of Capacity, Demand and Scheduled Maintenance at Time of Summer Peak (Sch. 7.1)…… 3-7
Forecast of Capacity, Demand and Scheduled Maintenance at Time of Winter Peak (Sch. 7.2)…… 3-8
Planned and Prospective Generating Facility Additions and Changes (Sch. 8)…… 3-9
Status Report and Specifications of Proposed Generating Facilities (Sch. 9)…… 3-11
Status Report and Specifications of Proposed Directly Associated Transmission Lines (Sch. 10)…… 3-35
Integrated Resource Planning Overview…… 3-44
Integrated Resource Planning (IRP) Process Overview …… 3-45
The Integrated Resource Planning (IRP) Process…… 3-46
Key Corporate Forecasts…… 3-48
Ten-year Site Plan (TYSP) Resource Additions…… 3-49
Renewable Energy…… 3-51
Battery Energy Storage Systems…… 3-56
Plan Considerations…… 3-57
Transmission Planning…… 3-58

CHAPTER 4 ENVIRONMENTAL AND LAND USE INFORMATION

Preferred Sites…… 4-1
Mule Creek Solar Site…… 4-2
Winquepin Solar Site…… 4-3
Falmouth Solar Site …… 4-4
County Line Solar Site…… 4-5
Sundance Solar Site…… 4-6
Bailey Mill Solar Site…… 4-7
Half Moon Solar Site…… 4-8
Rattler Solar Site…… 4-9

LIST OF REQUIRED SCHEDULES

Schedule		Page
1	Existing Generating Facilities	1-3
2.1	History and Forecast of Energy Consumption and Number of Customers by Customer Class (Rural and Residential and Commercial) (B/H/L)	2-6
2.2	History and Forecast of Energy Consumption & Number of Customers by Customer Class (Industrial and Other) (B/H/L)	2-9
2.3	History and Forecast of Energy Consumption & Number of Customers by Customer Class (Net Energy for Load) (B/H/L)	2-12
3.1	History and Forecast of Summer Peak Demand (MW) – (B/H/L)	2-15
3.2	History and Forecast of Winter Peak Demand (MW) – (B/H/L)	2-18
3.3	History and Forecast of Annual Net Energy for Load (GWh) – (B/H/L)	2-21
4	Previous Year Actual and Two-Year Forecast of Peak Demand and Net Energy for Load by Month (B/H/L)	2-24
5	Fuel Requirements	2-28
6.1	Energy Sources (GWh)	2-29
6.2	Energy Sources (Percent)	2-30
7.1	Forecast of Capacity, Demand, and Scheduled Maintenance at Time of Summer Peak	3-7
7.2	Forecast of Capacity, Demand, and Scheduled Maintenance at Time of Winter Peak	3-8
8	Planned and Prospective Generating Facility Additions and Changes	3-9
9	Status Report and Specifications of Proposed Generating Facilities	3-11
10	Status Report and Specifications of Proposed Directly Associated Transmission Lines	3-35

LIST OF
TABLES AND FIGURES

Tables		Page
2.1	Residential DSM MW & GWH Savings	2-43
2.2	Commercial/Industrial DSM MW & GWH Savings	2-45
3.1	Total Capacity Resources of Power Plants and Purchased Power Contracts	3-5
3.2	Total Qualifying Facility Generation Contracts	3-6
3.3	DEF Battery Energy Storage Pilot Program Projects Summary	3-56

Figures		Page
1.1	Service Area Map	1-2
2.1	Customer, Energy, and Demand Forecast	2-32
3.1	Integrated Resource Planning (IRP) Process Overview	3-45
3.2	Bay Ranch Solar Power Plant	3-54
3.3	Hardeetown Solar Power Plant	3-54
3.4	High Springs Solar Power Plant	3-55
3.5	Hildreth Solar Power Plant	3-55
4.1	Mule Creek Solar Project	4-2
4.2	Winquepin Solar Project	4-3
4.3	Falmouth Solar Project	4-4
4.4	County Line Solar Project	4-5
4.5	Sundance Solar Project	4-6
4.6	Bailey Mill Solar Project	4-7
4.7	Half Moon Solar Project	4-8
4-8	Rattler Solar Project	4-9

CODE IDENTIFICATION SHEET

Generating Unit Type

BA - Battery Storage
CC - Combined Cycle
COG - Cogeneration Facility
CT - Combustion Turbine
GT - Gas Turbine
NP - Steam Power - Nuclear
PV – Photovoltaic
SPP - Small Power Producer
SPS – Solar (PV) Plus Storage
ST - Steam Turbine - Non-Nuclear

Fuel Type

BIO – Biomass
BIT - Bituminous Coal
DFO - No. 2 Distillate Fuel Oil
MSW - Municipal Solid Waste
NG - Natural Gas
NUC - Nuclear (Uranium)
RFO - No. 6 Residual Fuel Oil
SO – Solar PV
WH - Waste Heat

Fuel Transportation

PL - Pipeline
RR - Railroad
TK - Truck
UN - Unknown
WA - Water

Future Generating Unit Status

A - Generating unit capability increased
D – Generating unit capability decreased
FC - Existing generator planned for conversion to another fuel or energy source
P - Planned for installation but not authorized; not under construction
RP - Proposed for repowering or life extension
RT - Existing generator scheduled for retirement
T - Regulatory approval received but not under construction
U - Under construction, less than or equal to 50% complete
V - Under construction, more than 50% complete

EXECUTIVE SUMMARY

Duke Energy Florida's (DEF) 2024 Ten-Year Site Plan (TYSP) provides a description of the future electric generating unit additions and retirements selected to meet projected DEF customer resource needs for 2024 through 2033. DEF's plan continues the multi-year progress in the transition to a cleaner and more cost-effective generating fleet. In the near term, DEF anticipates the expiration of high-priced legacy contracts and retirement of numerous older simple cycle combustion turbine (CT) units offset by a planned investment in new solar, storage, and solar plus storage generation. Looking out beyond the ten-year horizon, DEF anticipates the retirement of the remaining two coal fired generating units and the potential to replace most of the energy supplied by those units with energy generated from future solar generating projects.

DEF's planned investments in renewable generation will enable fuel savings for customers, energy diversification, and will continue DEF's commitment towards a lower carbon future. Through this TYSP, DEF is planning to extend the successful deployment of utility scale solar projects approved by the Florida Public Service Commission (FPSC) in 2017 and 2021, which will bring over 1,400 MW of solar generating capacity to the DEF system through early 2024. Over the remainder of the ten-year planning period, DEF projects the addition of at least 450 MW per year of utility scale solar. By the end of the period, DEF expects to have more than 6,100 MW of utility scale solar generating capacity online.

DEF's measured and steady pace of projected solar generation adoption will combine with the increasingly clean gas fired generating fleet. DEF is beginning efficiency enhancements that will reduce fleet fuel consumption while adding close to 400 MW in highly efficient combined cycle generating capacity. Even with the additional CC upgrades, DEF anticipates a reduction in the fossil fuel fired generation of approximately 1,500 MW over the planning period.

In addition to improvements to the existing asset portfolio and the planned solar, DEF continues to build upon its pilot battery program approved in 2017. This program installed 50 MW of batteries from 2021 to 2023. These batteries provide a variety of services including solar energy storage and smoothing, grid support and voltage control, and deferral of potential new distribution investments. These assets also have the capability to enable islanding to support an amount of local load in the event of grid separation. A transmission-tied grid scale battery energy storage unit is planned to be placed in service in 2027. This unit combines over 200 MWh of energy storage and a 100 MW capacity to provide grid stabilization during periods of solar volatility and energy shifting to lower cost of energy based on time of day. In addition, DEF continues to plan batteries paired with solar units in 2028-2030 to further balance the system and provide reliability resources supporting the large amount of planned solar generation.

DEF will accelerate the addition of four combustion turbines between years 2032 and 2033 that will replace some of the generation from Crystal River North that is planned to be retired in year 2034.

DEF plans to meet the power needs of its customers cost-effectively while adding an increasing portfolio of non-carbon emitting assets. The future solar and storage in this expansion plan along with increased efficiency in conventional generation provides energy diversity by reducing natural gas consumption while maintaining reliable and dispatchable capacity.

INTRODUCTION

Section 186.801 of the Florida Statutes (F.S.) requires electric generating utilities to submit a TYSP to the FPSC. The TYSP includes historical and projected data pertaining to the utility's load and resource needs as well as a review of those needs. DEF's TYSP is compiled in accordance with FPSC Rules 25-22.070 through 25-22.072, Florida Administrative Code (F.A.C.).

DEF's TYSP is based on the projections of long-term planning requirements that are dynamic in nature and subject to change. These planning documents should be used for general guidance concerning DEF's planning assumptions and projections and should not be taken as an assurance that particular events discussed in the TYSP will materialize or that particular plans will be implemented. Information and projections pertinent to periods further out in time are inherently subject to greater uncertainty.

This TYSP document contains four chapters as indicated below:

- **CHAPTER 1 - DESCRIPTION OF EXISTING FACILITIES**

  This chapter provides an overview of DEF's generating resources as well as the transmission and distribution system.

- **CHAPTER 2 - FORECAST OF ELECTRICAL POWER DEMAND AND ENERGY CONSUMPTION**

  Chapter 2 presents the history and forecast for load and peak demand as well as the forecast methodology used. Demand-Side Management (DSM) savings and fuel requirement projections are also included.

- **CHAPTER 3 - FORECAST OF FACILITIES REQUIREMENTS**

  The resource planning forecast, transmission planning forecast as well as the proposed generating facilities and bulk transmission line additions status are discussed in Chapter 3.

- **CHAPTER 4 - ENVIRONMENTAL AND LAND USE INFORMATION**

Preferred and potential site locations along with any environmental and land use information are presented in this chapter.

CHAPTER 1

DESCRIPTION OF EXISTING FACILITIES

CHAPTER 1

DESCRIPTION OF EXISTING FACILITIES

EXISTING FACILITIES OVERVIEW

OWNERSHIP

Duke Energy Florida, LLC (DEF or the Company) is a wholly owned subsidiary of Duke Energy Corporation (Duke Energy).

AREA OF SERVICE

DEF has an obligation to serve approximately 1.9 million customers in Florida. Its service area covers approximately 20,000 square miles in west central Florida and includes the densely populated areas around Orlando, as well as the cities of St. Petersburg and Clearwater. DEF is interconnected with 21 municipal and nine rural electric cooperative systems who serve additional customers in Florida. DEF is subject to the rules and regulations of the Federal Energy Regulatory Commission (FERC), the Nuclear Regulatory Commission (NRC), and the FPSC. DEF's Service Area is shown in Figure 1.1.

TRANSMISSION/DISTRIBUTION

The Company is part of a nationwide interconnected power network that enables power to be exchanged between utilities. The DEF transmission system includes approximately 5,300 circuit miles of transmission lines. The distribution system includes approximately 18,000 circuit miles of overhead distribution conductors and approximately 14,000 circuit miles of underground distribution cable.

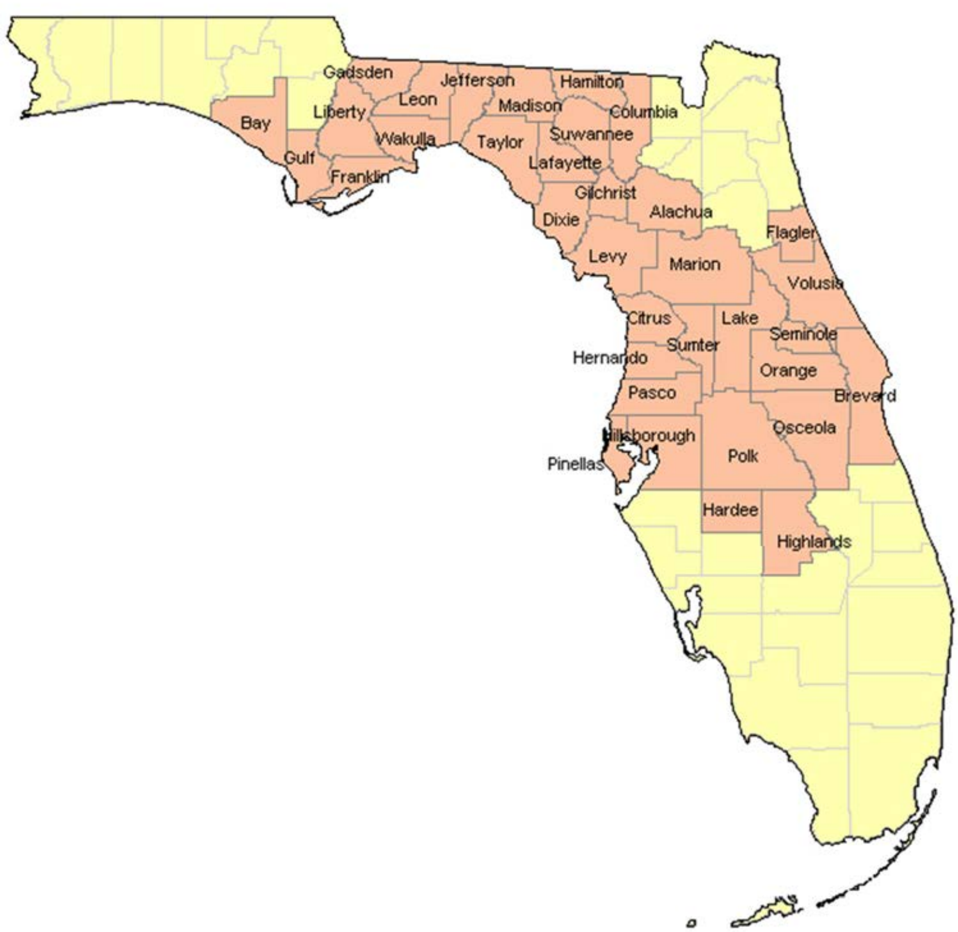
ENERGY MANAGEMENT and ENERGY EFFICIENCY

The Company's residential Energy Management program represents a demand response (DR) type of program where participating customers help manage future load growth and costs. Approximately 433,000 customers participated in the residential Energy Management program during 2023, contributing about 638 MW of winter peak-shaving capacity for use during high load periods. DEF's currently approved DSM portfolio of programs consist of five residential programs (four energy efficiency and one demand response), six commercial and industrial programs (three energy efficiency and three demand response) and one research and development program.

TOTAL CAPACITY RESOURCE

As of December 31, 2023, DEF had total summer firm capacity resources of 11,750 MW consisting of installed capacity of 10,290 MW and 1,460 MW of firm purchased power. Additional information on DEF's existing generating resources can be found in Schedule 1 and Table 3.1 (Chapter 3).

FIGURE 1.1
DUKE ENERGY FLORIDA
County Service Area Map



DUKE ENERGY FLORIDA

SCHEDULE 1
EXISTING GENERATING FACILITIES

AS OF DECEMBER 31, 2023

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
									COM'L IN-	EXPECTED	GEN. MAX.	NET CAPABILITY	
	UNIT	LOCATION	UNIT	FUEL		FUEL TRANSPORT		ALT. FUEL	SERVICE	RETIREMENT	NAMEPLATE	SUMMER	WINTER
PLANT NAME	NO.	(COUNTY)	TYPE	PRI.	ALT.	PRI.	ALT.	DAYS USE	MO./YEAR	MO./YEAR	KW	MW	MW
STEAM													
ANCLOTE	1	PASCO	ST	NG		PL			10/74		556,200	508	521
ANCLOTE	2	PASCO	ST	NG		PL			10/78		556,200	505	514
CRYSTAL RIVER	4	CITRUS	ST	BIT		WA	RR		12/82		739,260	712	721
CRYSTAL RIVER	5	CITRUS	ST	BIT		WA	RR		10/84		739,260	698	721
											Steam Total	**2,423**	**2,477**
COMBINED-CYCLE													
P L BARTOW	4	PINELLAS	CC	NG	DFO	PL	TK	*	6/09		1,254,200	1,112	1,259
CITRUS COUNTY COMBINED CYCLE	PB1	CITRUS	CC	NG		PL			10/18		985,150	807	925
CITRUS COUNTY COMBINED CYCLE	PB2	CITRUS	CC	NG		PL			11/18		985,150	803	929
HINES ENERGY COMPLEX	1	POLK	CC	NG		PL			4/99		546,500	501	521
HINES ENERGY COMPLEX	2	POLK	CC	NG	DFO	PL	TK	*	12/03		548,250	532	549
HINES ENERGY COMPLEX	3	POLK	CC	NG	DFO	PL	TK	*	11/05		561,000	523	535
HINES ENERGY COMPLEX	4	POLK	CC	NG	DFO	PL	TK	*	12/07		610,500	525	544
OSPREY ENERGY CENTER POWER PLANT	1	POLK	CC	NG		PL			5/04		644,300	245	245
TIGER BAY	1	POLK	CC	NG		PL			8/97		278,100	199	230
											CC Total	**5,247**	**5,737**
COMBUSTION TURBINE													
BARTOW	P1	PINELLAS	CT	DFO		WA		*	5/72	6/2027 **	55,400	41	50
BARTOW	P2	PINELLAS	CT	NG	DFO	PL	WA	*	6/72		55,400	41	53
BARTOW	P3	PINELLAS	CT	DFO		WA		*	6/72	6/2027 **	55,400	41	51
BARTOW	P4	PINELLAS	CT	NG	DFO	PL	WA	*	6/72		55,400	45	58
BAYBORO	P1	PINELLAS	CT	DFO		WA		*	4/73	10/2026 **	56,700	44	58
BAYBORO	P2	PINELLAS	CT	DFO		WA		*	4/73	10/2026 **	56,700	21	27
BAYBORO	P3	PINELLAS	CT	DFO		WA		*	4/73	10/2026 **	56,700	43	57
BAYBORO	P4	PINELLAS	CT	DFO		WA		*	4/73	10/2026 **	56,700	43	56
DEBARY	P2	VOLUSIA	CT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	45	57
DEBARY	P3	VOLUSIA	CT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	45	59
DEBARY	P4	VOLUSIA	CT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	46	59
DEBARY	P5	VOLUSIA	CT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	45	58
DEBARY	P6	VOLUSIA	CT	DFO		TK		*	12/75-4/76	6/2027 **	73,440	46	59
DEBARY	P7	VOLUSIA	CT	NG	DFO	PL	TK	*	10/92		103,500	74	93
DEBARY	P8	VOLUSIA	CT	NG	DFO	PL	TK	*	10/92		103,500	75	94
DEBARY	P9	VOLUSIA	CT	NG	DFO	PL	TK	*	10/92		103,500	76	94
DEBARY	P10	VOLUSIA	CT	DFO		TK		*	10/92		103,500	72	88
INTERCESSION CITY	P1	OSCEOLA	CT	DFO		PL,TK		*	5/74		56,700	45	61
INTERCESSION CITY	P2	OSCEOLA	CT	DFO		PL,TK		*	5/74		56,700	46	60
INTERCESSION CITY	P3	OSCEOLA	CT	DFO		PL,TK		*	5/74		56,700	46	61
INTERCESSION CITY	P4	OSCEOLA	CT	DFO		PL,TK		*	5/74		56,700	46	62
INTERCESSION CITY	P5	OSCEOLA	CT	DFO		PL,TK		*	5/74		56,700	45	59
INTERCESSION CITY	P6	OSCEOLA	CT	DFO		PL,TK		*	5/74		56,700	47	60
INTERCESSION CITY	P7	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	10/93		103,500	78	90
INTERCESSION CITY	P8	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	10/93		103,500	77	88
INTERCESSION CITY	P9	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	10/93		103,500	77	88
INTERCESSION CITY	P10	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	10/93		103,500	74	86
INTERCESSION CITY	P11	OSCEOLA	CT	DFO		PL,TK		*	1/97		148,500	140	161
INTERCESSION CITY	P12	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	12/00		98,260	73	89
INTERCESSION CITY	P13	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	12/00		98,260	73	91
INTERCESSION CITY	P14	OSCEOLA	CT	NG	DFO	PL	PL,TK	*	12/00		98,260	73	90
SUWANNEE RIVER	P1	SUWANNEE	CT	NG	DFO	PL	TK	*	10/80		65,999	48	65
SUWANNEE RIVER	P2	SUWANNEE	CT	NG	DFO	PL	TK	*	10/80		65,999	48	64
SUWANNEE RIVER	P3	SUWANNEE	CT	NG	DFO	PL	TK	*	11/80		65,999	49	65
UNIVERSITY OF FLORIDA	P1	ALACHUA	GT	NG		PL			1/94		43,000	44	50
											CT Total	**1,972**	**2,461**

* APPROXIMATELY 2 TO 3 DAYS OF OIL USE TYPICALLY TARGETED FOR ENTIRE PLANT.
** DATES FOR RETIREMENT ARE APPROXIMATE AND SUBJECT TO CHANGE

DUKE ENERGY FLORIDA

SCHEDULE 1

EXISTING GENERATING FACILITIES

AS OF DECEMBER 31, 2023

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
									COM'L IN-	EXPECTED	GEN. MAX.	NET CAPABILITY	
	UNIT	LOCATION	UNIT	FUEL		FUEL TRANSPORT		ALT. FUEL	SERVICE	RETIREMENT	NAMEPLATE	SUMMER	WINTER
PLANT NAME	NO.	(COUNTY)	TYPE	PRI.	ALT.	PRI.	ALT.	DAYS USE	MO./YEAR	MO./YEAR	KW	MW	MW
SOLAR													
OSCEOLA SOLAR FACILITY	PV1	OSCEOLA	PV	SO					5/16		3,800	2	0
PERRY SOLAR FACILITY	PV1	TAYLOR	PV	SO					8/16		5,100	2	0
SUWANNEE RIVER SOLAR FACILITY	PV1	SUWANNEE	PV	SO					11/17		8,800	4	0
HAMILTON SOLAR POWER PLANT	PV1	HAMILTON	PV	SO					12/18		74,900	42	0
TRENTON SOLAR POWER PLANT	PV1	GILCHRIST	PV	SO					12/19		74,900	42	0
LAKE PLACID SOLAR POWER PLANT	PV1	HIGHLANDS	PV	SO					12/19		45,000	25	0
ST PETERSBURG PIER	PV1	PINELLAS	PV	SO					12/19		350	0	0
COLUMBIA SOLAR POWER PLANT	PV1	COLUMBIA	PV	SO					3/20		74,900	42	0
DEBARY SOLAR POWER PLANT	PV1	VOLUSIA	PV	SO					5/20		74,500	33	0
SANTA FE SOLAR POWER PLANT	PV1	COLUMBIA	PV	SO					3/21		74,900	42	0
TWIN RIVERS SOLAR POWER PLANT	PV1	HAMILTON	PV	SO					3/21		74,900	42	0
DUETTE SOLAR POWER PLANT	PV1	MANATEE	PV	SO					10/21		74,500	42	0
SANDY CREEK SOLAR POWER PLANT	PV1	BAY	PV	SO					5/22		74,900	42	0
FORT GREEN SOLAR POWER PLANT	PV1	HARDEE	PV	SO					6/22		74,900	33	0
CHARLIE CREEK SOLAR POWER PLANT	PV1	HARDEE	PV	SO					8/22		74,900	42	0
BAY TRAIL SOLAR POWER PLANT	PV1	CITRUS	PV	SO					9/22		74,900	42	0
HILDRETH SOLAR POWER PLANT	PV1	SUWANNEE	PV	SO					4/23		74,900	42	0
HIGH SPRINGS SOLAR POWER PLANT	PV1	ALACHUA	PV	SO					4/23		74,900	42	0
HARDEETOWN SOLAR POWER PLANT	PV1	LEVY	PV	SO					4/23		74,900	42	0
BAY RANCH SOLAR POWER PLANT	PV1	BAY	PV	SO					4/23		74,900	42	0
											Solar Total	**648**	**0**
											TOTAL RESOURCES (MW)	**10,290**	**10,675**

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CHAPTER 2

FORECAST OF ELECTRIC POWER DEMAND AND ENERGY CONSUMPTION

CHAPTER 2
FORECAST OF ELECTRIC POWER DEMAND
AND
ENERGY CONSUMPTION

OVERVIEW

The information presented in Schedules 2, 3, and 4 represents DEF's history and forecast of customers, energy sales (GWh), and peak demand (MW). In general, this discussion refers to DEF's base forecast.

The DEF forecast utilized economic data from July 2023. From a macro perspective, the U.S. economy was characterized by several significant trends and changes. The labor market was at full employment. The Federal Reserve had actively increased interest rates since early 2022 in an effort to control inflation (3.6% as of July 2023). Additionally, the central bank had been reducing its holdings of financial assets. Interest rates on ten-year Treasury bonds were near their expected long-term levels, and fiscal policy, despite a temporary suspension of the debt limit, was projected to be somewhat expansionary with the passage of the Inflation Reduction Act. The U.S. dollar remained strong due to monetary policy and global uncertainties. From a low in Q2 2020 to a peak in Q2 2021, inflation adjusted corporate profits remained above pre-pandemic levels. Global oil prices were expected to stay below $100 per barrel. The pandemic's impact was waning, and the ongoing Russian war's influence on global markets was predicted to decrease.

In mid-2023, Florida's economy held its position as one of the top performers in the region. Job growth had slowed slightly over the past quarter, but Florida had outperformed nearly all states in the region during the past six- and 12-month periods. Every major industry had been performing well throughout the year, with tourism, the state's core driver, leading in job creation. Healthcare and utilities also stood out. Net hiring in finance had slowed due to market instability. The unemployment rate had remained steady below its previous cyclical low, despite a 5% growth in the labor force since its pre-pandemic level. While the housing market had cooled, there were signs of optimism, including a monthly increase in house prices in February. Single-family permit issuance had decreased from the previous year's pace, but the multifamily market was on track for its strongest year in decades. Florida was expected to continue performing well, but the impact of higher prices and elevated interest rates would likely slow job creation and put pressure on the housing market. The vital tourism industry would provide less support as well. In the long term, Florida's advantageous factors such as low costs, favorable weather, and an improving industrial composition would drive above-average job and income growth.

Historical 29 county service area household, population, and people per household data were used for the Base Case, High Case, and Low Case service area population projections. The DEF service area population was estimated to have grown at an average ten-year compound annual growth rate (CAGR) of 1.56% from 2014-2023 (Schedule 2.1.1 Column 2). The projected DEF service area population growth weakened to a level of 1.20% over the 2024-2033 period due to higher mortality rates among aging baby-boomers. The rate of residential customer growth, which averaged 1.72% per year over the historical ten-year period, is expected to continue at an average of 1.72%. The total number of DEF customers grew from 1.69 million in 2014 to 1.96 million in 2023, an increase of 269,130 or 1.65% annual growth rate. The projected number of additional total customers between 2024 and 2033 is projected to be 320,423 for a 1.67% annual growth rate.

Responses to the pandemic, which changed the patterns of class energy consumption, have reverted to pre-COVID usage characteristics. Remote work in the DEF service area still exists but at a much smaller level than that reached early in the pandemic. These changes imply a decrease in residential energy consumption which can be seen in the projected annual growth rate for average kWh consumption per customer (Schedule 2.1.1 Column 6). The projected ten-year annual growth rate for average kWh consumption per customer is -0.37% vs. a historical rate of -0.21%. Residential use per customer continues to decline due to higher energy prices/inflation, energy efficiency and rooftop solar adoption. In terms of annual residential sales growth, measured in GWh (1.34% projected vs. 1.51% historical), sustained residential customer growth (1.72% projected vs. 1.72% historical) is working to offset the declining use per customer. Labor shortages and the low cost of living in Florida relative to other parts of the U.S. also continue to attract people to the state as per capita income adjusted for cost of living is more favorable in Florida than other parts of the U.S. Florida continues to be a tourist attraction and retirement haven. Given the increase in the retirement population in the U.S. over the near term as the “Baby Boomer” generation reaches 65 and older, the retirement cohort in Florida should increase significantly over the next five to ten years. Increases in commercial and industrial class energy requirements have returned as well. Commercial sales growth (1.57% projected vs. 0.61% historical) is projected to be driven by the return to normal operating hours, population growth, and consumer spending/tourism. Sales to the industrial class (0.20% projected vs. 0.43% historical) were helped in 2023 by the Nucor Steel plant startup, Mosaic's operations growth, and Trulieve's startup. On the other hand, in November 2023, GP Cellulose shut down its Perry, FL manufacturing site. In February 2024, another major customer announced that they will be installing 6 MW of customer-owned CHP. These two customers accounted for nearly 5% of 2023 Industrial sales. In 2033, several major mining customers will deplete their resources through their operations. This is discussed in further detail under "General Assumptions" page 2-33. Over a nine-year period from 2024-2032, the industrial GWh growth rate was 1.08%. Long-term, total retail sales continue to increase (1.30% projected vs. 1.03% historical) but remain subject to uncertain economic conditions such as increasing rates, unemployment, and energy prices.

From 2014 to 2023, net energy for load (NEL) increased by 0.81% per year (Schedule 2.3.1 Column 4). The average projected ten-year CAGR for NEL is 0.91%. While Sales for Resale experienced an average annual decrease of -26.45% during the forecast period, sustained retail load growth offsets the loss of these contracts. Long term, DEF Sales for Resale energy sales are projected to essentially disappear.

During the 2014 to 2023 historical period the DEF summer net firm demand (Schedule 3.1.1 Column 10) increased from 8,523 MW to 9,352 MW, an average annual ten-year increase of 1.04%. This increase was driven by the ten-year average customer growth of 1.65% per year. The Wholesale summer peak remained relatively flat with a ten-year CAGR of 0.18%. Wholesale load was offset by higher conservation levels and additional residential demand response capability (Schedule 3.1.1). Going forward, the projected total DEF summer net firm demand, 2024 – 2033, grows at a slightly lower average annual rate of 0.96% due to declining Sales for Resale. The historical DEF firm winter peak ten-year CAGR was 1.00% per year driven by customer growth. Projected total DEF winter net firm demand remained positive with an average annual rate of 0.42% between 2024 and 2033 due to a reduction in the projected Sales for Resale peak demand

(-8.03% annual average decline), offset by expected ten-year growth in Retail winter peak of 1.06%. Both summer and winter Sales for Resale peak demand are expected to decline significantly towards the end of the ten-year projection.

DEF continues to provide alternate “high” and “low” forecasts for customers, energy, and peak demand, recognizing that the economic future is uncertain due to the tightening of monetary policy or other unknown events. The Fed’s goal has been a “soft landing” where inflation is reigned in to 2% without sending the economy into a recession. Moody’s S1 and S3 (high & low) Florida economic scenarios were used to provide a range of economic variables around the Base Case scenario. These were combined with high and low peak weather scenarios for each season and high and low population growth scenarios from Moody’s.

ENERGY CONSUMPTION AND DEMAND FORECAST SCHEDULES

The below schedules have been provided to represent DEF's expectations for a Base Case as well as reasonable High and Low forecast scenarios for resource planning purposes. (Base-B, High-H and Low-L):

SCHEDULE	DESCRIPTION
2.1, 2.2 and 2.3	History and Forecast of Energy Consumption and Number of Customers by Customer Class (B, H and L)
3.1	History and Forecast of Base Summer Peak Demand (MW) (B, H and L)
3.2	History and Forecast of Base Winter Peak Demand (MW) (B, H and L)
3.3	History and Forecast of Base Annual Net Energy for Load (GWh) (B, H and L)
4	Previous Year Actual and Two-Year Forecast of Peak Demand and Net Energy for Load by Month (B, H and L)

DUKE ENERGY FLORIDA

SCHEDULE 2.1.1

HISTORY AND FORECAST OF ENERGY CONSUMPTION AND

NUMBER OF CUSTOMERS BY CUSTOMER CLASS

BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RURAL AND RESIDENTIAL					COMMERCIAL		
YEAR	DEF POPULATION	MEMBERS PER HOUSEHOLD	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER
HISTORY:								
2014	3,747,160	2.492	19,003	1,503,758	12,637	11,789	167,253	70,485
2015	3,794,138	2.489	19,932	1,524,605	13,074	12,070	169,147	71,359
2016	3,837,436	2.485	20,265	1,543,967	13,126	12,094	170,999	70,724
2017	3,906,975	2.483	19,791	1,573,260	12,579	11,918	173,695	68,612
2018	3,968,241	2.485	20,636	1,597,132	12,920	12,172	175,848	69,216
2019	4,037,435	2.483	20,775	1,626,117	12,776	12,198	178,036	68,514
2020	4,089,498	2.471	21,459	1,655,304	12,964	11,522	179,666	64,129
2021	4,130,929	2.448	21,192	1,687,471	12,558	11,785	182,195	64,686
2022	4,253,325	2.473	21,508	1,719,905	12,505	12,220	184,453	66,248
2023	4,308,553	2.457	21,750	1,753,583	12,403	12,450	186,524	66,749
FORECAST:								
2024	4,338,254	2.439	21,660	1,778,702	12,177	12,031	189,760	63,400
2025	4,383,772	2.420	21,850	1,811,476	12,062	12,232	192,439	63,564
2026	4,431,461	2.403	21,583	1,844,137	11,704	12,268	195,108	62,879
2027	4,481,068	2.388	21,717	1,876,494	11,573	12,383	197,753	62,617
2028	4,534,352	2.375	21,981	1,909,201	11,513	12,599	200,426	62,859
2029	4,591,824	2.364	22,446	1,942,396	11,556	12,849	203,140	63,252
2030	4,651,193	2.354	22,949	1,975,868	11,614	13,097	205,875	63,617
2031	4,711,426	2.345	23,390	2,009,137	11,642	13,322	208,595	63,865
2032	4,772,194	2.337	23,646	2,042,017	11,580	13,568	211,282	64,217
2033	4,830,765	2.329	24,422	2,074,180	11,774	13,847	213,911	64,734

DUKE ENERGY FLORIDA

SCHEDULE 2.1.2
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
HIGH CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RURAL AND RESIDENTIAL					COMMERCIAL		
YEAR	DEF POPULATION	MEMBERS PER HOUSEHOLD	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER
HISTORY:								
2014	3,747,160	2.492	19,003	1,503,758	12,637	11,789	167,253	70,485
2015	3,794,138	2.489	19,932	1,524,605	13,074	12,070	169,147	71,359
2016	3,837,436	2.485	20,265	1,543,967	13,126	12,094	170,999	70,724
2017	3,906,975	2.483	19,791	1,573,260	12,579	11,918	173,695	68,612
2018	3,968,241	2.485	20,636	1,597,132	12,920	12,172	175,848	69,216
2019	4,037,435	2.483	20,775	1,626,117	12,776	12,198	178,036	68,514
2020	4,089,498	2.471	21,459	1,655,304	12,964	11,522	179,666	64,129
2021	4,130,929	2.448	21,192	1,687,471	12,558	11,785	182,195	64,686
2022	4,253,325	2.473	21,508	1,719,905	12,505	12,220	184,453	66,248
2023	4,308,553	2.457	21,750	1,753,583	12,403	12,450	186,524	66,749
FORECAST:								
2024	4,352,608	2.439	24,377	1,784,587	13,660	12,719	190,241	66,858
2025	4,413,787	2.420	24,708	1,823,879	13,547	12,977	193,453	67,080
2026	4,469,921	2.403	24,607	1,860,142	13,228	13,052	196,417	66,452
2027	4,526,156	2.388	24,808	1,895,375	13,088	13,213	199,296	66,301
2028	4,586,538	2.375	25,175	1,931,174	13,036	13,444	202,222	66,484
2029	4,651,704	2.364	25,613	1,967,726	13,017	13,650	205,210	66,516
2030	4,719,116	2.354	26,146	2,004,722	13,042	13,880	208,234	66,658
2031	4,786,708	2.345	26,627	2,041,240	13,045	14,107	211,218	66,790
2032	4,853,400	2.337	26,977	2,076,765	12,990	14,351	214,122	67,024
2033	4,916,610	2.329	27,723	2,111,039	13,133	14,617	216,923	67,382

DUKE ENERGY FLORIDA

SCHEDULE 2.1.3
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RURAL AND RESIDENTIAL					COMMERCIAL		
YEAR	DEF POPULATION	MEMBERS PER HOUSEHOLD	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER
HISTORY:								
2014	3,747,160	2.492	19,003	1,503,758	12,637	11,789	167,253	70,485
2015	3,794,138	2.489	19,932	1,524,605	13,074	12,070	169,147	71,359
2016	3,837,436	2.485	20,265	1,543,967	13,126	12,094	170,999	70,724
2017	3,906,975	2.483	19,791	1,573,260	12,579	11,918	173,695	68,612
2018	3,968,241	2.485	20,636	1,597,132	12,920	12,172	175,848	69,216
2019	4,037,435	2.483	20,775	1,626,117	12,776	12,198	178,036	68,514
2020	4,089,498	2.471	21,459	1,655,304	12,964	11,522	179,666	64,129
2021	4,130,929	2.448	21,192	1,687,471	12,558	11,785	182,195	64,686
2022	4,253,325	2.473	21,508	1,719,905	12,505	12,220	184,453	66,248
2023	4,308,553	2.457	21,750	1,753,583	12,403	12,450	186,524	66,749
FORECAST:								
2024	4,336,457	2.439	19,369	1,777,965	10,894	11,583	189,700	61,060
2025	4,377,461	2.420	19,473	1,808,868	10,765	11,679	192,226	60,757
2026	4,415,587	2.403	19,370	1,837,531	10,541	11,828	194,569	60,792
2027	4,453,353	2.388	19,550	1,864,888	10,483	12,021	196,805	61,082
2028	4,496,433	2.375	19,840	1,893,235	10,479	12,251	199,121	61,527
2029	4,546,275	2.364	20,183	1,923,128	10,495	12,459	201,565	61,811
2030	4,600,010	2.354	20,572	1,954,125	10,528	12,693	204,098	62,191
2031	4,655,643	2.345	20,909	1,985,349	10,532	12,908	206,650	62,464
2032	4,711,960	2.337	21,129	2,016,243	10,479	13,139	209,175	62,812
2033	4,767,593	2.329	21,739	2,047,056	10,620	13,388	211,694	63,242

DUKE ENERGY FLORIDA

SCHEDULE 2.2.1
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	INDUSTRIAL						
YEAR	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	RAILROADS AND RAILWAYS GWh	STREET & HIGHWAY LIGHTING GWh	OTHER SALES TO PUBLIC AUTHORITIES GWh	TOTAL SALES TO ULTIMATE CONSUMERS GWh
HISTORY:							
2014	3,267	2,280	1,432,895	0	25	3,157	37,240
2015	3,293	2,243	1,468,123	0	24	3,234	38,553
2016	3,197	2,178	1,467,860	0	24	3,194	38,774
2017	3,120	2,137	1,459,991	0	24	3,171	38,023
2018	3,107	2,080	1,493,750	0	24	3,206	39,144
2019	2,963	2,025	1,463,210	0	24	3,227	39,187
2020	3,147	1,999	1,574,287	0	23	3,079	39,230
2021	3,292	1,978	1,664,307	0	24	3,158	39,451
2022	3,508	1,868	1,877,916	0	33	3,244	40,512
2023	3,396	1,773	1,915,141	0	31	3,205	40,832
FORECAST:							
2024	3,230	1,786	1,808,343	0	31	3,111	40,063
2025	3,360	1,765	1,903,655	0	31	3,185	40,658
2026	3,423	1,758	1,946,910	0	30	3,185	40,489
2027	3,453	1,756	1,966,388	0	29	3,196	40,777
2028	3,507	1,759	1,993,696	0	29	3,220	41,336
2029	3,500	1,762	1,986,265	0	28	3,234	42,057
2030	3,509	1,764	1,989,180	0	28	3,249	42,832
2031	3,515	1,767	1,989,291	0	27	3,239	43,493
2032	3,523	1,772	1,987,977	0	26	3,232	43,995
2033	3,288	1,776	1,851,436	0	26	3,231	44,815

DUKE ENERGY FLORIDA

SCHEDULE 2.2.2
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
HIGH CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	INDUSTRIAL						
YEAR	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	RAILROADS AND RAILWAYS GWh	STREET & HIGHWAY LIGHTING GWh	OTHER SALES TO PUBLIC AUTHORITIES GWh	TOTAL SALES TO ULTIMATE CONSUMERS GWh
HISTORY:							
2014	3,267	2,280	1,432,895	0	25	3,157	37,240
2015	3,293	2,243	1,468,123	0	24	3,234	38,553
2016	3,197	2,178	1,467,860	0	24	3,194	38,774
2017	3,120	2,137	1,459,991	0	24	3,171	38,023
2018	3,107	2,080	1,493,750	0	24	3,206	39,144
2019	2,963	2,025	1,463,210	0	24	3,227	39,187
2020	3,147	1,999	1,574,287	0	23	3,079	39,230
2021	3,292	1,978	1,664,307	0	24	3,158	39,451
2022	3,508	1,868	1,877,916	0	33	3,244	40,512
2023	3,396	1,773	1,915,141	0	31	3,205	40,832
FORECAST:							
2024	3,266	1,786	1,828,571	0	31	3,177	43,570
2025	3,398	1,765	1,924,953	0	31	3,251	44,363
2026	3,460	1,758	1,967,978	0	30	3,249	44,398
2027	3,489	1,756	1,986,894	0	29	3,254	44,794
2028	3,543	1,759	2,014,133	0	29	3,275	45,465
2029	3,536	1,762	2,006,629	0	28	3,277	46,104
2030	3,545	1,764	2,009,498	0	28	3,284	46,883
2031	3,551	1,767	2,009,524	0	27	3,268	47,580
2032	3,558	1,772	2,008,105	0	26	3,254	48,168
2033	3,324	1,776	1,871,458	0	26	3,246	48,936

DUKE ENERGY FLORIDA

SCHEDULE 2.2.3
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	INDUSTRIAL						
YEAR	GWh	AVERAGE NO. OF CUSTOMERS	AVERAGE KWh CONSUMPTION PER CUSTOMER	RAILROADS AND RAILWAYS GWh	STREET & HIGHWAY LIGHTING GWh	OTHER SALES TO PUBLIC AUTHORITIES GWh	TOTAL SALES TO ULTIMATE CONSUMERS GWh
HISTORY:							
2014	3,267	2,280	1,432,895	0	25	3,157	37,240
2015	3,293	2,243	1,468,123	0	24	3,234	38,553
2016	3,197	2,178	1,467,860	0	24	3,194	38,774
2017	3,120	2,137	1,459,991	0	24	3,171	38,023
2018	3,107	2,080	1,493,750	0	24	3,206	39,144
2019	2,963	2,025	1,463,210	0	24	3,227	39,187
2020	3,147	1,999	1,574,287	0	23	3,079	39,230
2021	3,292	1,978	1,664,307	0	24	3,158	39,451
2022	3,508	1,868	1,877,916	0	33	3,244	40,512
2023	3,396	1,773	1,915,141	0	31	3,205	40,832
FORECAST:							
2024	3,202	1,786	1,792,981	0	31	3,030	37,216
2025	3,334	1,765	1,888,814	0	31	3,098	37,615
2026	3,400	1,758	1,934,233	0	30	3,086	37,715
2027	3,432	1,756	1,954,492	0	29	3,089	38,122
2028	3,487	1,759	1,982,346	0	29	3,106	38,712
2029	3,480	1,762	1,974,753	0	28	3,118	39,268
2030	3,488	1,764	1,977,382	0	28	3,134	39,914
2031	3,494	1,767	1,977,407	0	27	3,116	40,454
2032	3,502	1,772	1,976,094	0	26	3,102	40,898
2033	3,267	1,776	1,839,499	0	26	3,094	41,515

DUKE ENERGY FLORIDA

SCHEDULE 2.3.1
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)
YEAR	SALES FOR RESALE GWh	UTILITY USE & LOSSES GWh	NET ENERGY FOR LOAD GWh	OTHER CUSTOMERS (AVERAGE NO.)	TOTAL NO. OF CUSTOMERS
HISTORY:					
2014	1,333	2,402	40,975	25,800	1,699,091
2015	1,243	2,484	42,280	25,866	1,721,861
2016	1,803	2,277	42,854	26,005	1,743,149
2017	2,196	2,700	42,919	26,248	1,775,340
2018	2,304	2,776	44,224	26,504	1,801,564
2019	2,910	2,704	44,801	26,707	1,832,885
2020	2,887	2,697	44,814	26,845	1,863,814
2021	3,302	2,311	45,064	27,082	1,898,726
2022	3,673	1,956	46,141	26,834	1,933,060
2023	1,396	1,821	44,049	26,343	1,968,222
FORECAST:					
2024	1,119	2,237	43,418	26,304	1,996,552
2025	904	1,956	43,519	26,402	2,032,082
2026	904	2,190	43,584	26,501	2,067,504
2027	900	2,098	43,775	26,586	2,102,589
2028	889	2,279	44,504	26,680	2,138,066
2029	887	2,177	45,121	26,765	2,174,063
2030	887	2,258	45,977	26,847	2,210,354
2031	70	2,260	45,824	26,926	2,246,425
2032	71	2,536	46,602	27,014	2,282,085
2033	70	2,209	47,094	27,110	2,316,977

DUKE ENERGY FLORIDA

SCHEDULE 2.3.2
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
HIGH CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)
YEAR	SALES FOR RESALE GWh	UTILITY USE & LOSSES GWh	NET ENERGY FOR LOAD GWh	OTHER CUSTOMERS (AVERAGE NO.)	TOTAL NO. OF CUSTOMERS
HISTORY:					
2014	1,333	2,402	40,975	25,800	1,699,091
2015	1,243	2,484	42,280	25,866	1,721,861
2016	1,803	2,277	42,854	26,005	1,743,149
2017	2,196	2,700	42,919	26,248	1,775,340
2018	2,304	2,776	44,224	26,504	1,801,564
2019	2,910	2,704	44,801	26,707	1,832,885
2020	2,887	2,697	44,814	26,845	1,863,814
2021	3,302	2,311	45,064	27,082	1,898,726
2022	3,673	1,956	46,141	26,834	1,933,060
2023	1,396	1,821	44,049	26,343	1,968,222
FORECAST:					
2024	1,119	2,799	47,488	26,108	2,002,722
2025	904	2,584	47,852	26,148	2,045,245
2026	904	2,775	48,077	26,243	2,084,560
2027	900	2,731	48,425	26,321	2,122,748
2028	889	2,894	49,248	26,401	2,161,556
2029	887	2,823	49,814	26,432	2,201,130
2030	887	2,902	50,671	26,474	2,241,194
2031	70	2,922	50,572	26,524	2,280,749
2032	71	3,136	51,375	26,570	2,319,229
2033	70	2,905	51,911	26,626	2,356,364

DUKE ENERGY FLORIDA

SCHEDULE 2.3.3
HISTORY AND FORECAST OF ENERGY CONSUMPTION AND
NUMBER OF CUSTOMERS BY CUSTOMER CLASS
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)
YEAR	SALES FOR RESALE GWh	UTILITY USE & LOSSES GWh	NET ENERGY FOR LOAD GWh	OTHER CUSTOMERS (AVERAGE NO.)	TOTAL NO. OF CUSTOMERS
HISTORY:					
2014	1,333	2,402	40,975	25,800	1,699,091
2015	1,243	2,484	42,280	25,866	1,721,861
2016	1,803	2,277	42,854	26,005	1,743,149
2017	2,196	2,700	42,919	26,248	1,775,340
2018	2,304	2,776	44,224	26,504	1,801,564
2019	2,910	2,704	44,801	26,707	1,832,885
2020	2,887	2,697	44,814	26,845	1,863,814
2021	3,302	2,311	45,064	27,082	1,898,726
2022	3,673	1,956	46,141	26,834	1,933,060
2023	1,396	1,821	44,049	26,343	1,968,222
FORECAST:					
2024	1,119	1,760	40,094	26,056	1,995,507
2025	904	1,512	40,031	26,062	2,028,921
2026	904	1,688	40,308	26,038	2,059,896
2027	900	1,640	40,662	26,071	2,089,520
2028	889	1,782	41,383	26,118	2,120,233
2029	887	1,701	41,856	26,217	2,152,672
2030	887	1,762	42,564	26,318	2,186,305
2031	70	1,770	42,294	26,364	2,220,130
2032	71	1,961	42,929	26,405	2,253,595
2033	70	1,732	43,317	26,471	2,286,997

DUKE ENERGY FLORIDA

SCHEDULE 3.1.1
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
BASE CASE FORECAST

(1) YEAR	(2) TOTAL	(3) WHOLESALE	(4) RETAIL	(5) INTERRUPTIBLE	(6) RESIDENTIAL LOAD MANAGEMENT	(7) RESIDENTIAL CONSERVATION	(8) COMM. / IND. LOAD MANAGEMENT	(9) COMM. / IND. CONSERVATION	(OTH) OTHER DEMAND REDUCTIONS	(10) NET FIRM DEMAND
HISTORY:										
2014	10,067	814	9,253	232	355	404	108	313	132	8,523
2015	10,058	772	9,286	303	360	435	124	324	80	8,431
2016	10,530	893	9,637	235	366	466	100	339	80	8,946
2017	10,220	808	9,412	203	342	498	95	349	80	8,653
2018	10,271	812	9,459	257	386	532	83	387	80	8,545
2019	11,029	1021	10,008	230	394	566	86	414	80	9,260
2020	10,765	901	9,864	250	393	599	83	440	80	8,921
2021	10,835	1,010	9,825	375	394	623	85	451	80	8,826
2022	11,012	1,045	9,966	341	361	513	85	441	80	9,190
2023	11,357	827	10,530	476	352	550	88	459	80	9,352
FORECAST:										
2024	10,958	730	10,228	402	358	566	91	461	80	9,000
2025	10,824	451	10,372	402	364	581	94	467	80	8,836
2026	10,805	451	10,354	402	370	593	97	473	80	8,790
2027	10,822	451	10,371	402	376	605	100	477	80	8,781
2028	10,969	451	10,518	402	377	618	103	480	80	8,908
2029	11,174	451	10,723	402	378	630	107	484	80	9,093
2030	11,361	451	10,910	402	379	642	110	488	80	9,260
2031	11,493	401	11,093	402	380	653	113	492	80	9,374
2032	11,733	401	11,332	402	381	663	116	496	80	9,595
2033	11,967	401	11,566	402	382	674	119	499	80	9,811

Historical Values (2014 - 2023):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) =Customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2024 - 2033):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.1.2
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
HIGH CASE FORECAST

(1) YEAR	(2) TOTAL	(3) WHOLESALE	(4) RETAIL	(5) INTERRUPTIBLE	(6) RESIDENTIAL LOAD MANAGEMENT	(7) RESIDENTIAL CONSERVATION	(8) COMM. / IND. LOAD MANAGEMENT	(9) COMM. / IND. CONSERVATION	(OTH) OTHER DEMAND REDUCTIONS	(10) NET FIRM DEMAND
HISTORY:										
2014	10,067	814	9,253	232	355	404	108	313	132	8,523
2015	10,058	772	9,286	303	360	435	124	324	80	8,431
2016	10,530	893	9,637	235	366	466	100	339	80	8,946
2017	10,220	808	9,412	203	342	498	95	349	80	8,653
2018	10,271	812	9,459	257	386	532	83	387	80	8,545
2019	11,029	1,021	10,008	230	394	566	86	414	80	9,260
2020	10,765	901	9,864	250	393	599	83	440	80	8,921
2021	10,835	1,010	9,825	375	394	623	85	451	80	8,826
2022	11,012	1,045	9,966	341	361	513	85	441	80	9,190
2023	11,357	827	10,530	476	352	550	88	459	80	9,352
FORECAST:										
2024	11,456	730	10,726	402	358	566	91	461	80	9,498
2025	11,362	451	10,911	402	364	581	94	467	80	9,375
2026	11,371	451	10,920	402	370	593	97	473	80	9,356
2027	11,415	451	10,964	402	376	605	100	477	80	9,375
2028	11,575	451	11,124	402	377	618	103	480	80	9,514
2029	11,751	451	11,300	402	378	630	107	484	80	9,670
2030	11,947	451	11,496	402	379	642	110	488	80	9,847
2031	12,461	401	12,060	402	380	653	113	492	80	10,341
2032	12,314	401	11,913	402	381	663	116	496	80	10,176
2033	12,555	401	12,154	402	382	674	119	499	80	10,399

Historical Values (2014 - 2023):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) =Customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2024 - 2033):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.1.3
HISTORY AND FORECAST OF SUMMER PEAK DEMAND (MW)
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2014	10,067	814	9,253	232	355	404	108	313	132	8,523
2015	10,058	772	9,286	303	360	435	124	324	80	8,431
2016	10,530	893	9,637	235	366	466	100	339	80	8,946
2017	10,220	808	9,412	203	342	498	95	349	80	8,653
2018	10,271	812	9,459	257	386	532	83	387	80	8,545
2019	11,029	1,021	10,008	230	394	566	86	414	80	9,260
2020	10,765	901	9,864	250	393	599	83	440	80	8,921
2021	10,835	1,010	9,825	375	394	623	85	451	80	8,826
2022	11,012	1,045	9,966	341	361	513	85	441	80	9,190
2023	11,357	827	10,530	476	352	550	88	459	80	9,352
FORECAST:										
2024	10,505	730	9,776	402	358	566	91	461	80	8,547
2025	10,360	451	9,909	402	364	581	94	467	80	8,373
2026	10,391	451	9,940	402	370	593	97	473	80	8,376
2027	10,444	451	9,992	402	376	605	100	477	80	8,403
2028	10,592	451	10,141	402	377	618	103	480	80	8,532
2029	10,774	451	10,323	402	378	630	107	484	80	8,693
2030	10,926	451	10,475	402	379	642	110	488	80	8,825
2031	11,407	401	11,006	402	380	653	113	492	80	9,287
2032	11,621	401	11,220	402	381	663	116	496	80	9,483
2033	11,476	401	11,075	402	382	674	119	499	80	9,320

Historical Values (2014 - 2023):
Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.
Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.
Col. (OTH) =Customer-owned self-service cogeneration.
Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).
Projected Values (2024 - 2033):
Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.
Cols. (5) - (9) = cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.
Col. (OTH) = customer-owned self-service cogeneration.
Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.2.1
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
BASE CASE FORECAST

(1) YEAR	(2) TOTAL	(3) WHOLESALE	(4) RETAIL	(5) INTERRUPTIBLE	(6) RESIDENTIAL LOAD MANAGEMENT	(7) RESIDENTIAL CONSERVATION	(8) COMM. / IND. LOAD MANAGEMENT	(9) COMM. / IND. CONSERVATION	(OTH) OTHER DEMAND REDUCTIONS	(10) NET FIRM DEMAND
HISTORY:										
2013/14	9,467	658	8,809	257	654	785	101	229	219	7,222
2014/15	10,648	1035	9,613	273	658	815	109	236	237	8,319
2015/16	9,678	1275	8,403	207	675	845	131	240	170	7,409
2016/17	8,739	701	8,038	191	695	878	79	243	165	6,489
2017/18	11,559	1071	10,488	244	699	913	79	246	196	9,182
2018/19	8,527	572	7,955	239	711	948	82	251	164	6,132
2019/20	9,725	613	9,112	292	670	982	80	256	177	7,268
2020/21	9,654	679	8,975	319	671	1,006	82	260	175	7,141
2021/22	10,594	1,038	9,556	317	668	1,013	83	261	195	8,056
2022/23	10,474	1,047	9,426	317	638	975	83	262	194	8,005
FORECAST:										
2023/24	11,506	852	10,654	388	646	1,055	87	263	195	8,872
2024/25	11,787	1,052	10,735	388	654	1,081	90	266	196	9,112
2025/26	11,833	1,052	10,781	388	662	1,101	93	268	196	9,124
2026/27	11,908	1,052	10,855	388	670	1,120	96	270	197	9,165
2027/28	11,452	451	11,001	388	671	1,141	100	273	198	8,682
2028/29	11,594	451	11,143	388	672	1,161	103	276	200	8,795
2029/30	11,784	451	11,333	388	673	1,180	106	278	202	8,957
2030/31	11,870	401	11,469	388	674	1,197	109	280	204	9,017
2031/32	12,002	401	11,601	388	675	1,215	112	282	205	9,125
2032/33	12,112	401	11,711	388	676	1,232	115	284	206	9,210

Historical Values (2014 - 2023):
Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.
Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.
Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.
Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).
Projected Values (2024 - 2033):
Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.
Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.
Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.
Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.2.2
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
HIGH CASE FORECAST

(1) YEAR	(2) TOTAL	(3) WHOLESALE	(4) RETAIL	(5) INTERRUPTIBLE	(6) RESIDENTIAL LOAD MANAGEMENT	(7) RESIDENTIAL CONSERVATION	(8) COMM. / IND. LOAD MANAGEMENT	(9) COMM. / IND. CONSERVATION	(OTH) OTHER DEMAND REDUCTIONS	(10) NET FIRM DEMAND
HISTORY:										
2013/14	9,467	658	8,809	257	654	785	101	229	219	7,222
2014/15	10,648	1,035	9,613	273	658	815	109	236	237	8,319
2015/16	9,678	1,275	8,403	207	675	845	131	240	170	7,409
2016/17	8,739	701	8,038	191	695	878	79	243	165	6,489
2017/18	11,559	1,071	10,488	244	699	913	79	246	196	9,182
2018/19	8,527	572	7,955	239	711	948	82	251	164	6,132
2019/20	9,725	613	9,112	292	670	982	80	256	177	7,268
2020/21	9,654	679	8,975	319	671	1,006	82	260	175	7,141
2021/22	10,594	1,038	9,556	317	668	1,013	83	261	195	8,056
2022/23	10,474	1,047	9,426	317	638	975	83	262	194	8,005
FORECAST:										
2023/24	13,301	852	12,449	388	646	1,055	87	263	195	10,667
2024/25	13,680	1,052	12,628	388	654	1,081	90	266	196	11,005
2025/26	13,779	1,052	12,727	388	662	1,101	93	268	196	11,070
2026/27	13,899	1,052	12,847	388	670	1,120	96	270	197	11,157
2027/28	13,491	451	13,039	388	671	1,141	100	273	198	10,720
2028/29	13,641	451	13,190	388	672	1,161	103	276	200	10,842
2029/30	13,836	451	13,385	388	673	1,180	106	278	202	11,009
2030/31	13,938	401	13,538	388	674	1,197	109	280	204	11,086
2031/32	14,083	401	13,682	388	675	1,215	112	282	205	11,205
2032/33	14,209	401	13,808	388	676	1,232	115	284	206	11,307

Historical Values (2014 - 2023):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2024 - 2033):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.2.3
HISTORY AND FORECAST OF WINTER PEAK DEMAND (MW)
LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(OTH)	(10)
YEAR	TOTAL	WHOLESALE	RETAIL	INTERRUPTIBLE	RESIDENTIAL LOAD MANAGEMENT	RESIDENTIAL CONSERVATION	COMM. / IND. LOAD MANAGEMENT	COMM. / IND. CONSERVATION	OTHER DEMAND REDUCTIONS	NET FIRM DEMAND
HISTORY:										
2013/14	9,467	658	8,809	257	654	785	101	229	219	7,222
2014/15	10,648	1,035	9,613	273	658	815	109	236	237	8,319
2015/16	9,678	1,275	8,403	207	675	845	131	240	170	7,409
2016/17	8,739	701	8,038	191	695	878	79	243	165	6,489
2017/18	11,559	1,071	10,488	244	699	913	79	246	196	9,182
2018/19	8,527	572	7,955	239	711	948	82	251	164	6,132
2019/20	9,725	613	9,112	292	670	982	80	256	177	7,268
2020/21	9,654	679	8,975	319	671	1,006	82	260	175	7,141
2021/22	10,594	1,038	9,556	317	668	1,013	83	261	195	8,056
2022/23	10,474	1,047	9,426	317	638	975	83	262	194	8,005
FORECAST:										
2023/24	9,330	852	8,478	388	646	1,055	87	263	195	6,696
2024/25	9,493	1,052	8,441	388	654	1,081	90	266	196	6,818
2025/26	9,559	1,052	8,507	388	662	1,101	93	268	196	6,850
2026/27	9,655	1,052	8,603	388	670	1,120	96	270	197	6,913
2027/28	9,187	451	8,736	388	671	1,141	100	273	198	6,416
2028/29	9,291	451	8,840	388	672	1,161	103	276	200	6,492
2029/30	9,423	451	8,972	388	673	1,180	106	278	202	6,596
2030/31	9,472	401	9,071	388	674	1,197	109	280	204	6,619
2031/32	9,567	401	9,166	388	675	1,215	112	282	205	6,689
2032/33	9,645	401	9,245	388	676	1,232	115	284	206	6,744

Historical Values (2014 - 2023):

Col. (2) = recorded peak + implemented load control + residential and commercial/industrial conservation and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent total cumulative capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

Projected Values (2024 - 2033):

Cols. (2) - (4) = forecasted peak without load control, cumulative conservation, and customer-owned self-service cogeneration.

Cols. (5) - (9) = Represent cumulative conservation and load control capabilities at peak. Col. (8) includes commercial load management and standby generation.

Col. (OTH) = Voltage reduction and customer-owned self-service cogeneration.

Col. (10) = (2) - (5) - (6) - (7) - (8) - (9) - (OTH).

DUKE ENERGY FLORIDA

SCHEDULE 3.3.1
HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWh)
BASE CASE FORECAST

(1) YEAR	(2) TOTAL	(3) RESIDENTIAL CONSERVATION	(4) COMM. / IND. CONSERVATION	(OTH) OTHER ENERGY REDUCTIONS	(5) RETAIL	(6) WHOLESALE	(7) UTILITY USE & LOSSES	(8) NET ENERGY FOR LOAD	(9) LOAD FACTOR (%) *
HISTORY:									
2014	43,443	812	791	864	37,240	1,333	2,402	40,975	50.7
2015	44,552	848	829	595	38,553	1,243	2,484	42,280	50.9
2016	45,200	892	857	596	38,774	1,803	2,277	42,854	50.6
2017	45,318	933	871	595	38,024	2,196	2,699	42,919	52.7
2018	46,729	977	933	595	39,145	2,304	2,775	44,224	48.9
2019	47,385	1,017	972	595	39,187	2,910	2,704	44,801	51.3
2020	47,476	1,050	1,016	596	39,230	2,887	2,697	44,814	52.9
2021	47,786	1,100	1,027	595	39,451	3,302	2,311	45,064	53.1
2022	48,842	1,120	986	595	40,512	3,673	1,956	46,141	52.8
2023	46,805	1,168	996	595	40,832	1,392	1,821	44,046	49.0
FORECAST:									
2024	46,240	1,223	1,004	595	40,063	1,119	2,237	43,418	55.1
2025	46,392	1,259	1,018	596	40,658	904	1,956	43,519	54.4
2026	46,503	1,297	1,028	595	40,489	904	2,190	43,584	54.5
2027	46,743	1,337	1,036	595	40,777	900	2,098	43,775	54.5
2028	47,519	1,376	1,044	595	41,336	889	2,279	44,504	57.0
2029	48,183	1,413	1,053	596	42,057	887	2,177	45,121	56.5
2030	49,081	1,447	1,062	595	42,832	887	2,258	45,977	56.7
2031	48,970	1,481	1,070	595	43,493	70	2,260	45,824	55.8
2032	49,789	1,515	1,077	595	43,995	71	2,536	46,602	55.4
2033	50,322	1,547	1,085	596	44,815	70	2,209	47,094	54.6

* Load Factors for historical years are calculated using the actual and projected annual peak.

DUKE ENERGY FLORIDA

SCHEDULE 3.3.2

HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWh)

HIGH CASE FORECAST

(1) YEAR	(2) TOTAL	(3) RESIDENTIAL CONSERVATION	(4) COMM. / IND. CONSERVATION	(OTH) OTHER ENERGY REDUCTIONS	(5) RETAIL	(6) WHOLESALE	(7) UTILITY USE & LOSSES	(8) NET ENERGY FOR LOAD	(9) LOAD FACTOR (%) *
HISTORY:									
2014	43,443	812	791	864	37,240	1,333	2,402	40,975	50.7
2015	44,552	848	829	595	38,553	1,243	2,484	42,280	50.9
2016	45,200	892	857	596	38,774	1,803	2,277	42,854	50.6
2017	45,318	933	871	595	38,024	2,196	2,699	42,919	52.7
2018	46,729	977	933	595	39,145	2,304	2,775	44,224	48.9
2019	47,385	1,017	972	595	39,187	2,910	2,704	44,801	51.3
2020	47,476	1,050	1,016	596	39,230	2,887	2,697	44,814	52.9
2021	47,786	1,100	1,027	595	39,451	3,302	2,311	45,064	53.1
2022	48,842	1,120	986	595	40,512	3,673	1,956	46,141	52.8
2023	46,805	1,168	996	595	40,832	1,392	1,821	44,046	49.0
FORECAST:									
2024	50,309	1,223	1,004	595	43,570	1,119	2,799	47,488	50.8
2025	50,724	1,259	1,018	595	44,363	904	2,584	47,852	49.6
2026	50,998	1,297	1,028	596	44,398	904	2,775	48,077	49.4
2027	51,392	1,337	1,036	595	44,794	900	2,731	48,425	49.5
2028	52,263	1,376	1,044	595	45,465	889	2,894	49,248	52.4
2029	52,876	1,413	1,053	596	46,104	887	2,823	49,814	52.3
2030	53,776	1,447	1,062	595	46,883	887	2,902	50,671	52.5
2031	53,719	1,481	1,070	595	47,580	70	2,922	50,572	52.1
2032	54,562	1,515	1,077	595	48,168	71	3,136	51,375	52.3
2033	55,139	1,547	1,085	596	48,936	70	2,905	51,911	52.3

* Load Factors for historical years are calculated using the actual and projected annual peak.

DUKE ENERGY FLORIDA

SCHEDULE 3.3.3
HISTORY AND FORECAST OF ANNUAL NET ENERGY FOR LOAD (GWh)
LOW CASE FORECAST

(1) YEAR	(2) TOTAL	(3) RESIDENTIAL CONSERVATION	(4) COMM. / IND. CONSERVATION	(OTH) OTHER ENERGY REDUCTIONS	(5) RETAIL	(6) WHOLESALE	(7) UTILITY USE & LOSSES	(8) NET ENERGY FOR LOAD	(9) LOAD FACTOR (%) *
HISTORY:									
2014	43,443	812	791	864	37,240	1,333	2,402	40,975	50.7
2015	44,552	848	829	595	38,553	1,243	2,484	42,280	50.9
2016	45,200	892	857	596	38,774	1,803	2,277	42,854	50.6
2017	45,318	933	871	595	38,024	2,196	2,699	42,919	52.7
2018	46,729	977	933	595	39,145	2,304	2,775	44,224	48.9
2019	47,385	1,017	972	595	39,187	2,910	2,704	44,801	51.3
2020	47,476	1,050	1,016	596	39,230	2,887	2,697	44,814	52.9
2021	47,786	1,100	1,027	595	39,451	3,302	2,311	45,064	53.1
2022	48,842	1,120	986	595	40,512	3,673	1,956	46,141	52.8
2023	46,805	1,168	996	595	40,832	1,392	1,821	44,046	49.0
FORECAST:									
2024	42,916	1,223	1,004	595	37,216	1,119	1,760	40,094	53.5
2025	42,904	1,259	1,018	596	37,615	904	1,512	40,031	54.4
2026	43,227	1,297	1,028	595	37,715	904	1,688	40,308	54.9
2027	43,629	1,337	1,036	595	38,122	900	1,640	40,662	55.2
2028	44,398	1,376	1,044	595	38,712	889	1,782	41,383	55.4
2029	44,918	1,413	1,053	596	39,268	887	1,701	41,856	54.8
2030	45,668	1,447	1,062	595	39,914	887	1,762	42,564	55.1
2031	45,441	1,481	1,070	595	40,454	70	1,770	42,294	52.0
2032	46,116	1,515	1,077	595	40,898	71	1,961	42,929	51.7
2033	46,544	1,547	1,085	596	41,515	70	1,732	43,317	52.9

* Load Factors for historical years are calculated using the actual and projected annual peak.

DUKE ENERGY FLORIDA

SCHEDULE 4.1
PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND
AND NET ENERGY FOR LOAD BY MONTH
BASE CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	ACTUAL		FORECAST		FORECAST	
	2023		2024		2025	
MONTH	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh
JANUARY	7,840	3,128	**10,109**	3,205	**10,360**	3,239
FEBRUARY	6,657	2,797	7,984	2,772	8,190	2,784
MARCH	7,608	3,320	7,559	3,170	7,694	3,180
APRIL	7,845	3,457	7,963	3,342	7,685	3,360
MAY	8,354	3,781	8,773	3,832	8,532	3,863
JUNE	9,322	4,188	9,099	4,171	8,769	4,138
JULY	9,725	4,767	9,758	4,345	9,448	4,304
AUGUST	**10,268**	4,978	**9,851**	4,453	**9,696**	4,469
SEPTEMBER	9,281	4,152	8,897	3,988	8,685	4,013
OCTOBER	7,859	3,455	8,492	3,715	8,277	3,723
NOVEMBER	6,799	3,010	6,905	3,111	6,735	3,136
DECEMBER	5,936	3,014	7,965	3,314	8,210	3,310
TOTAL		44,046		43,418		43,519

NOTE: Recorded Net Peak demands and NEL include off-system wholesale contracts.
December 2022 is the 2023 winter peak 8110 MW.

DUKE ENERGY FLORIDA

SCHEDULE 4.2
PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND
AND NET ENERGY FOR LOAD BY MONTH
HIGH CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	ACTUAL		FORECAST		FORECAST	
	2023		2024		2025	
MONTH	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh
JANUARY	7,840	3,128	**11,904**	3,648	**12,253**	3,713
FEBRUARY	6,657	2,797	9,231	3,210	9,507	3,250
MARCH	7,608	3,320	8,617	3,668	8,806	3,702
APRIL	7,845	3,457	8,545	3,668	8,369	3,707
MAY	8,354	3,781	9,276	4,055	9,078	4,107
JUNE	9,322	4,188	9,625	4,394	9,338	4,382
JULY	9,725	4,767	10,277	4,544	10,014	4,524
AUGUST	10,268	4,978	**10,349**	4,643	**10,235**	4,678
SEPTEMBER	9,281	4,152	9,356	4,171	9,180	4,213
OCTOBER	7,859	3,455	9,141	4,049	8,962	4,076
NOVEMBER	6,799	3,010	7,664	3,517	7,569	3,560
DECEMBER	5,936	3,014	9,795	3,921	10,090	3,939
TOTAL		44,046		47,488		47,852

NOTE: Recorded Net Peak demands and NEL include off-system wholesale contracts.
December 2022 is the 2023 winter peak 8110 MW.

SCHEDULE 4.3

PREVIOUS YEAR ACTUAL AND TWO-YEAR FORECAST OF PEAK DEMAND
AND NET ENERGY FOR LOAD BY MONTH

LOW CASE FORECAST

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	ACTUAL		FORECAST		FORECAST	
	2023		2024		2025	
MONTH	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh	PEAK DEMAND MW	NEL GWh
JANUARY	7,840	3,128	**7,933**	2,860	**8,066**	2,852
FEBRUARY	6,657	2,797	6,902	2,390	7,046	2,374
MARCH	7,608	3,320	6,761	2,809	6,836	2,790
APRIL	7,845	3,457	7,558	3,119	7,239	3,114
MAY	8,354	3,781	8,402	3,673	8,120	3,684
JUNE	9,322	4,188	8,659	3,977	8,315	3,928
JULY	9,725	4,767	9,307	4,162	8,976	4,111
AUGUST	**10,268**	4,978	**9,398**	4,265	**9,233**	4,277
SEPTEMBER	9,281	4,152	8,469	3,799	8,255	3,824
OCTOBER	7,859	3,455	7,973	3,451	7,761	3,461
NOVEMBER	6,799	3,010	6,321	2,776	6,128	2,802
DECEMBER	5,936	3,014	6,423	2,816	6,706	2,812
TOTAL		44,046		40,094		40,031

NOTE: Recorded Net Peak demands and NEL include off-system wholesale contracts.
December 2022 is the 2023 winter peak 8110 MW.

FUEL REQUIREMENTS AND ENERGY SOURCES

DEF's two-year actual and ten-year projected nuclear, coal, oil, and gas requirements (by fuel unit) are shown in Schedule 5. DEF's two-year actual and ten-year projected energy sources by fuel type are presented in Schedules 6.1 and 6.2, in GWh and percent (%) respectively. Although DEF's fuel mix continues to rely on an increasing amount of natural gas to meet its generation needs, DEF continues to maintain alternate fuel supplies including long term operation of some coal fired facilities, adequate supplies of oil for dual fuel back up and increasing amounts of renewable generation particularly from solar generation. Projections shown in Schedules 5 and 6 reflect the Base Load and Energy Forecasts.

DUKE ENERGY FLORIDA

SCHEDULE 5
FUEL REQUIREMENTS

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				-ACTUAL-											
	FUEL REQUIREMENTS		UNITS	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
(1)	NUCLEAR		TRILLION BTU	0	0	0	0	0	0	0	0	0	0	0	0
(2)	COAL		1,000 TON	2,117	1,825	1,045	927	815	768	702	695	789	814	768	927
(3)	RESIDUAL	TOTAL	1,000 BBL	0	0	0	0	0	0	0	0	0	0	0	0
(4)		STEAM	1,000 BBL	0	0	0	0	0	0	0	0	0	0	0	0
(5)		CC	1,000 BBL	0	0	0	0	0	0	0	0	0	0	0	0
(6)		CT	1,000 BBL	0	0	0	0	0	0	0	0	0	0	0	0
(7)		DIESEL	1,000 BBL	0	0	0	0	0	0	0	0	0	0	0	0
(8)	DISTILLATE	TOTAL	1,000 BBL	312	124	26	19	16	27	47	36	29	33	36	37
(9)		STEAM	1,000 BBL	48	54	11	9	12	14	10	12	13	9	11	14
(10)		CC	1,000 BBL	123	0	0	0	0	0	0	0	0	0	0	0
(11)		CT	1,000 BBL	141	70	15	10	4	14	37	24	16	24	24	24
(12)		DIESEL	1,000 BBL	0	0	0	0	0	0	0	0	0	0	0	0
(13)	NATURAL GAS	TOTAL	1,000 MCF	271,484	265,288	252,983	255,245	253,111	248,403	247,856	244,586	238,530	229,462	228,043	223,608
(14)		STEAM	1,000 MCF	25,066	21,181	15,119	13,755	10,865	8,764	11,038	13,379	10,949	11,540	12,064	11,894
(15)		CC	1,000 MCF	238,711	234,659	233,195	236,804	237,822	234,218	231,497	225,655	222,892	211,949	209,562	204,652
(16)		CT	1,000 MCF	7,708	9,448	4,670	4,686	4,425	5,421	5,321	5,552	4,689	5,973	6,418	7,062
	OTHER (SPECIFY)														
(17)	OTHER, DISTILLATE	ANNUAL FIRM INTERCHANGE	1,000 BBL	N/A	N/A	0	0	0	0	0	0	0	0	0	0
(18)	OTHER, NATURAL GAS	ANNUAL FIRM INTERCHANGE, CC	1,000 MCF	N/A	N/A	0	0	0	0	0	0	0	0	0	0
(18.1)	OTHER, NATURAL GAS	ANNUAL FIRM INTERCHANGE, CT	1,000 MCF	N/A	N/A	2,420	2,650	1,639	601	0	0	0	0	0	0
(19)	OTHER, COAL	ANNUAL FIRM INTERCHANGE, STEAM	1,000 TON	N/A	N/A	0	0	0	0	0	0	0	0	0	0

DUKE ENERGY FLORIDA

SCHEDULE 6.1
ENERGY SOURCES (GWh)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				-ACTUAL-											
	ENERGY SOURCES		UNITS	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
(1)	ANNUAL FIRM INTERCHANGE 1/		GWh	1,203	60	237	260	161	60	18	3	6	15	7	2
(2)	NUCLEAR		GWh	0	0	0	0	0	0	0	0	0	0	0	0
(3)	COAL		GWh	4,375	3,829	2,157	1,920	1,639	1,539	1,370	1,395	1,569	1,617	1,519	1,873
(4)	RESIDUAL	TOTAL	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(5)		STEAM	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(6)		CC	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(7)		CT	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(8)		DIESEL	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(9)	DISTILLATE	TOTAL	GWh	146	29	7	5	2	6	17	11	7	10	11	10
(10)		STEAM	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(11)		CC	GWh	91	0	0	0	0	0	0	0	0	0	0	0
(12)		CT	GWh	55	29	7	5	2	6	17	11	7	10	11	10
(13)		DIESEL	GWh	0	0	0	0	0	0	0	0	0	0	0	0
(14)	NATURAL GAS	TOTAL	GWh	36,423	35,526	36,389	37,056	37,034	36,479	36,197	35,521	34,714	33,083	32,668	31,801
(15)		STEAM	GWh	2,249	1,737	1,337	1,205	948	749	942	1,137	916	992	1,032	1,004
(16)		CC	GWh	33,607	32,996	34,577	35,374	35,631	35,193	34,722	33,831	33,331	31,509	31,014	30,123
(17)		CT	GWh	567	792	475	477	456	537	533	553	467	582	622	674
(18)	OTHER 2/														
	QF PURCHASES		GWh	1,769	1,814	818	493	0	0	0	0	0	0	0	0
	RENEWABLES OTHER		GWh	0	0	0	0	0	0	0	0	0	0	0	0
	RENEWABLES MSW		GWh	645	624	556	71	73	73	73	73	72	73	73	71
	RENEWABLES BIOMASS		GWh	0	0	0	0	0	0	0	0	0	0	0	0
	RENEWABLES SOLAR		GWh	1,581	2,165	3,255	3,714	4,674	5,630	6,852	8,161	9,670	11,097	12,401	13,415
	BATTERIES		GWh	0	0	0	0	0	-11	-22	-43	-61	-72	-76	-78
	IMPORT FROM OUT OF STATE		GWh	0	0	0	0	0	0	0	0	0	0	0	0
	EXPORT TO OUT OF STATE		GWh	0	0	0	0	0	0	0	0	0	0	0	0
(19)	NET ENERGY FOR LOAD		GWh	46,141	44,046	43,418	43,519	43,584	43,775	44,504	45,121	45,977	45,824	46,602	47,094

1/ NET ENERGY PURCHASED (+) OR SOLD (-) WITHIN THE FRCC REGION.
2/ NET ENERGY PURCHASED (+) OR SOLD (-).

DUKE ENERGY FLORIDA

SCHEDULE 6.2

ENERGY SOURCES (PERCENT)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				-ACTUAL-											
	ENERGY SOURCES		UNITS	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
(1)	ANNUAL FIRM INTERCHANGE 1/		%	2.6%	0.1%	0.5%	0.6%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(2)	NUCLEAR		%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(3)	COAL		%	9.5%	8.7%	5.0%	4.4%	3.8%	3.5%	3.1%	3.1%	3.4%	3.5%	3.3%	4.0%
(4)	RESIDUAL	TOTAL	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(5)		STEAM	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(6)		CC	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(7)		CT	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(8)		DIESEL	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(9)	DISTILLATE	TOTAL	%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(10)		STEAM	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(11)		CC	%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(12)		CT	%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(13)		DIESEL	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(14)	NATURAL GAS	TOTAL	%	78.9%	80.7%	83.8%	85.1%	85.0%	83.3%	81.3%	78.7%	75.5%	72.2%	70.1%	67.5%
(15)		STEAM	%	4.9%	3.9%	3.1%	2.8%	2.2%	1.7%	2.1%	2.5%	2.0%	2.2%	2.2%	2.1%
(16)		CC	%	72.8%	74.9%	79.6%	81.3%	81.8%	80.4%	78.0%	75.0%	72.5%	68.8%	66.6%	64.0%
(17)		CT	%	1.2%	1.8%	1.1%	1.1%	1.0%	1.2%	1.2%	1.2%	1.0%	1.3%	1.3%	1.4%
(18)	OTHER 2/														
	QF PURCHASES		%	3.8%	4.1%	1.9%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	RENEWABLES OTHER		%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	RENEWABLES MSW		%	1.4%	1.4%	1.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
	RENEWABLES BIOMASS		%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	RENEWABLES SOLAR		%	3.4%	4.9%	7.5%	8.5%	10.7%	12.9%	15.4%	18.1%	21.0%	24.2%	26.6%	28.5%
	BATTERIES		%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
	IMPORT FROM OUT OF STATE		%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	EXPORT TO OUT OF STATE		%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(19)	NET ENERGY FOR LOAD		%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

1/ NET ENERGY PURCHASED (+) OR SOLD (-) WITHIN THE FRCC REGION.

2/ NET ENERGY PURCHASED (+) OR SOLD (-).

FORECASTING METHODS AND PROCEDURES

INTRODUCTION

Accurate forecasts of long-range electric energy consumption, customer growth, and peak demand are essential elements in electric utility planning. Accurate projections of a utility's future load growth require a forecasting methodology with the ability to account for a variety of factors influencing electric consumption over the planning horizon. DEF's forecasting framework utilizes a set of econometric models as well as the Itron statistically adjusted end-use (SAE) approach to achieve this end. This section will describe the underlying methodology of the customer, energy, and peak demand forecasts including the principal assumptions incorporated within each. Also included is a description of how DSM impacts the forecast and a review of DEF's DSM programs.

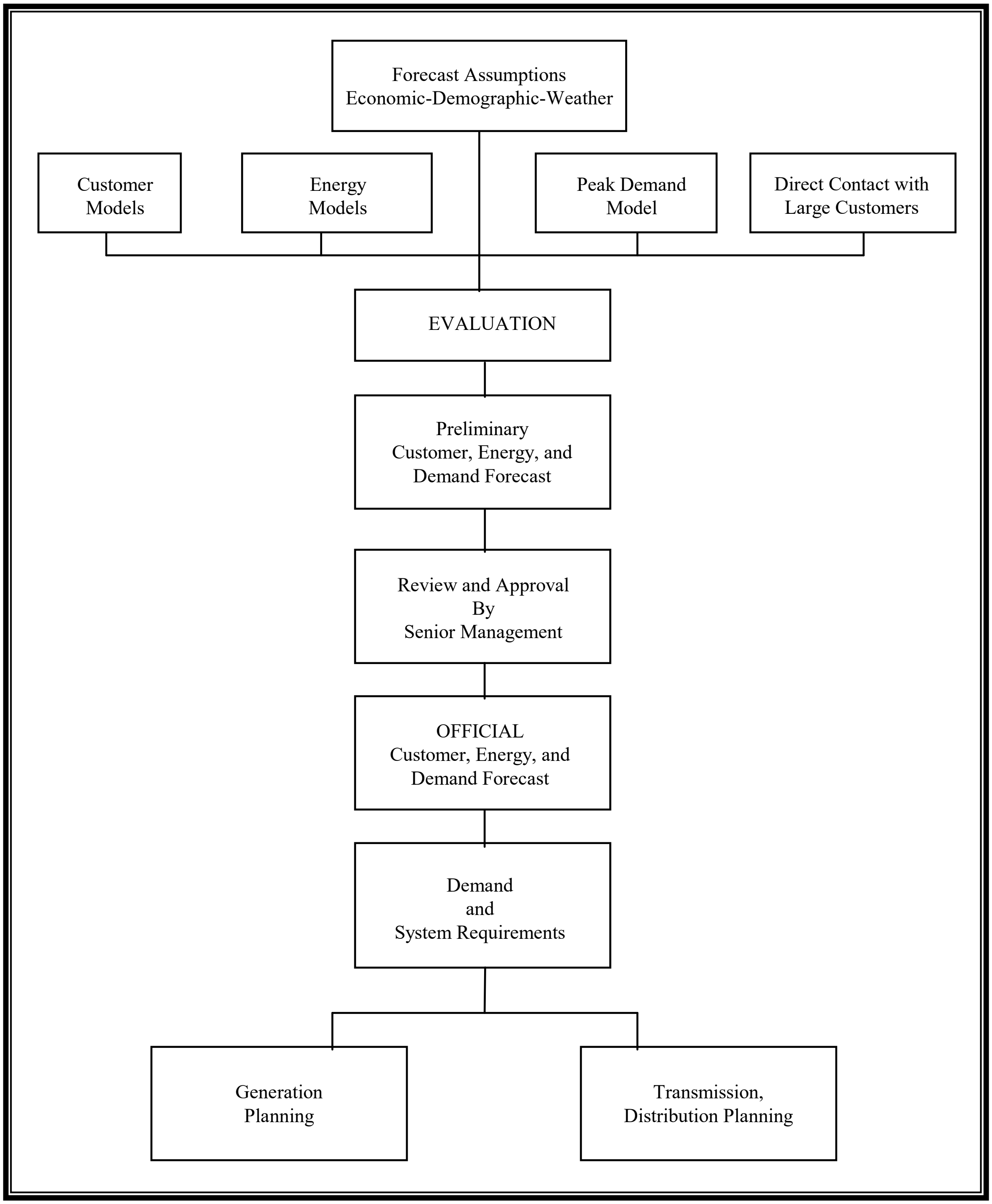
Figure 2.1, entitled "Customer, Energy and Demand Forecast," gives a general description of DEF's forecasting process. Highlighted in the diagram is a disaggregated modeling approach that blends the impacts of average class usage, as well as customer growth, based on a specific set of assumptions for each class. Also accounted for is some direct contact with large customers. These inputs provide the tools needed to frame the most likely scenario of the Company's future demand.

FORECAST ASSUMPTIONS

The first step in any forecasting effort is the development of assumptions upon which the forecast is based. A collaborative internal Company effort develops these assumptions including the research efforts of several external sources. These assumptions specify major factors that influence the level of customers, energy sales, or peak demand over the forecast horizon. The following set of assumptions forms the basis for the forecast presented in this document.

FIGURE 2.1

Customer, Energy, and Demand Forecast



GENERAL ASSUMPTIONS

1. Normal weather conditions for energy sales are assumed over the forecast horizon using a sales-weighted 30-year average of conditions at the St. Petersburg, Orlando, and Tallahassee weather stations. For billed kilowatt-hour (kWh) sales projections, the normal weather calculation begins with a historical 30-year average of calendar and billing cycle weighted monthly heating and cooling degree-days (HDD and CDD). The expected consumption period read dates for each projected billing cycle determines the exact historical dates for developing the 30-year average weather condition each month. Each class displays different weather-sensitive base temperatures from which degree day (DD) values begin to accumulate. Seasonal and monthly peak demand projections are based on a 30-year historical average of system-weighted degree days using the "Itron Rank-Sort Normal" approach which takes annual weather extremes into account as well as the date and hour of occurrence.

2. The DEF customer forecast is based upon Moody's historical and forecasted population estimates of the 29 counties served by DEF. National and Florida economic projections produced by Moody's Analytics in their July 2023 forecast, along with Energy Information Administration (EIA) 2023 surveys of residential appliance saturation and average appliance efficiency levels provided the basis for development of the DEF energy forecast.

3. Within the DEF service area, the phosphate mining industry is the dominant sector in the industrial sales class. Two major customers accounted for approximately 39% of the industrial class MWh sales in 2023. These energy-intensive "crop nutrient" producers mine and process phosphate-based fertilizer products for the global marketplace. The supply and demand (price) for their products are dictated by global conditions that include, but are not limited to, foreign competition, national/international agricultural industry conditions, exchange-rate fluctuations, international trade pacts and U.S. environmental regulations. The market price of the raw mined commodity often dictates production levels. Load and energy consumption at the DEF-served mining or chemical processing sites depend heavily on plant operations, which are heavily influenced by these global as well as the local conditions, including environmental regulations. Going forward, global currency fluctuations and global stockpiles of farm commodities will determine the demand for fertilizers. Any increase in self-service generation will act to reduce energy

requirements from DEF. An upside risk to this projection lies in the price of energy, especially low natural gas price, which is a major cost in mining and producing phosphoric fertilizers. DEF has begun to assume a decline in Phosphate sector energy consumption late in the planning horizon as mining product becomes scarce in the areas currently mined.

4. DEF has supplied capacity and energy service to wholesale customers on a "full" and "partial" requirement basis for many years. Many Sales for Resale Customers have moved to other suppliers for their needs or have begun to self-generate. What remains are Partial Requirements (PR) contracted loads with the Reedy Creek Improvement District (RCID) and Seminole Electric Cooperative, Inc. (SECI). The forecast reflects the current contractual obligations based on the nature of the stratified load being requested, plus their ability to receive dispatched energy from power marketers any time it is more economical for them to do so. All contracts are projected to expire in the specific year designated in the respective contracts.

5. This forecast assumes that DEF will successfully renew all future franchise agreements.

6. This forecast incorporates demand and energy reductions expected to be realized through currently FPSC approved DSM goals as stated in Docket No. 20190018-EG.

7. This forecast reflects impacts from both Plug-in Hybrid Electric Vehicle (PHEV) and behind the meter customer-owned renewable generation which is mostly solar photovoltaic (PV) installations on energy and peak demand. PHEV customer penetration levels, which are expected to be a small share of the total DEF service area vehicle stock over the planning horizon, incorporates an EPRI Model view that includes gasoline price expectations. DEF customer PV penetration levels are expected to continue to grow over the planning horizon and the forecast incorporates a view on equipment and electric price impacts on customer use.

8. Expected energy and demand reductions from customer-owned self-service cogeneration facilities are also included in this forecast. DEF will supply the supplemental load of self-service

cogeneration customers. While DEF offers "standby" service to all cogeneration customers, the forecast does not assume an unplanned need for power at time of peak.

This forecast assumes that the regulatory environment and the obligation to serve our retail customers will continue throughout the forecast horizon. Regarding wholesale customers, the forecast does not plan for generation resources unless a long-term contract is in place.

ECONOMIC ASSUMPTIONS

The economic outlook for this forecast was developed in the summer of 2023.As mentioned in the overview, in mid-2023 the U.S. continued to experience strong job growth, rising wages, and low unemployment. Inflation was receding in response to the Federal Reserve's rate increases. The funds rate was considered sufficient to slow the economy's growth and succeed in bringing inflation back to the Fed's target by the fall of 2024. It is with this background that the DEF Customer, Energy and Peak Demand forecast was developed and the environment in which the Moody's Analytics July 2023 U.S. forecast and Florida forecast was applied. Major assumptions are as follows:

- In Moody's July 2023 outlook, an additional 25-basis point rate hike to the federal funds rate was incorporated at the July FOMC meeting. This brought the policy rate's range to 5.25% to 5.5%. The first-rate cut was also pushed back from March to June 2024. The assumption was that the reduction in the Federal Reserve's balance sheet would remain on autopilot.

- Recent U.S. bank failures were disconcerting to watch, but they were not symptomatic of a serious broader problem in the financial system. Policymakers' aggressive response ensured the failures did not weaken the system or more than modestly undermine already-weak economic growth.

- Moody's did not make any adjustments in light of the Supreme Court striking down President Biden's student loan forgiveness plan. Moreover, the implications of the ruling for near-term growth were minimal. If the Supreme Court had upheld it, debt cancellation would have only boosted the level of real personal consumption expenditures by 0.1%.

- The ten-year U.S. Treasury peaked in the second quarter of 2024 just shy of 4%, as in the prior baseline.

- Moody's expected strong oil demand growth—headlined by emerging economies and namely China—coupled with OPEC production cuts pushed up oil prices in the second half of the year.

- A full-employment economy is one with an unemployment rate around 3.5%, a 62.5% labor force participation rate, and a prime-age employment-to-population ratio in the range of 80%. The economy was at that level then.

Throughout the ten-year forecast horizon, risks and uncertainties are always recognized and handled on a "highest probability of outcome" basis. General rules of economic theory, namely supply and demand equilibrium, are maintained in the long run. This notion is applied to energy/commodity prices, currency levels, the housing market, wage rates, birth rates, inflation and interest rates. Uncertainty surrounding specific weather anomalies (hurricanes or earthquakes), international crises such as wars or terrorist acts, or future pandemic events, are not explicitly designed into this projection. Thus, any situations of this variety will result in a deviation from this forecast.

FORECAST METHODOLOGY

The DEF forecast of customers, energy sales, and peak demand applies both an econometric and end-use methodology. The residential and commercial energy projections incorporate Itron's SAE approach while other classes use customer-class specific econometric models. These models are expressly designed to capture class-specific variation over time. Peak demand models are projected on a disaggregated basis as well. This allows for appropriate handling of individual assumptions in the areas of wholesale contracts, demand response, interruptible service, and changes in self-service generation capacity.

ENERGY AND CUSTOMER FORECAST

In the retail jurisdiction, customer class models have been specified showing a historical relationship to weather and economic/demographic indicators using monthly data for sales models and customer models. Sales are regressed against "driver" variables that best explain monthly fluctuations over the historical sample period. Forecasts of these input variables are either derived internally or come from a review of the latest projections made by several independent forecasting concerns. Internal company forecasts are used for projections of electricity price, weather conditions, the length of the billing month and rates of customer owned renewable and electric vehicle adoption. The external sources of data include Moody's Analytics forecasts of changes in population, demographics and economic conditions. The incorporation of residential and commercial "end-use" energy has been modeled as well. Surveys of residential appliance saturation and average efficiency performed by the company's Market Research department and the EIA, along with trended projections of both by Itron capture a significant piece of the changing future environment for electric energy consumption. Specific sectors are modeled as follows:

Residential Sector

Residential kWh usage per customer is modeled using the SAE framework. This approach explicitly introduces trends in appliance saturation and efficiency, dwelling size and thermal efficiency. It allows for an explanation of usage levels and changes in weather-sensitivity over time. The "bundling" of 19 residential appliances into "heating", "cooling" and "other" end uses form the basis of equipment-oriented drivers that interact with typical exogenous factors such as real median household income, average household size, cooling degree-days, heating degree-days, the real price of electricity to the residential class and the average number of billing days in each sales month. This structure captures significant variation in residential usage caused by changing appliance efficiency and saturation levels, economic cycles, weather fluctuations, electric price, and sales month duration. Projections of kWh usage per customer combined with the customer forecast provide the forecast of total residential energy sales. The residential customer forecast is developed by correlating monthly residential customers with county level population projections, provided by Moody's, for counties in which DEF serves residential customers.

Commercial Sector

Commercial MWh energy sales are forecast based on commercial sector (non-agricultural, non-manufacturing and non-governmental) employment, the real price of electricity to the commercial class, the average number of billing days in each sales month, and the heating and cooling degree-day values. As in the residential sector, these variables interact with the commercial end-use equipment (listed below) after trends in equipment efficiency and saturation rates have been projected.

- Heating
- Cooling
- Ventilation
- Water heating
- Cooking
- Refrigeration
- Outdoor Lighting
- Indoor Lighting
- Office Equipment (PCs)
- Miscellaneous

The SAE model contains indices that are based on end-use energy intensity projections developed from EIA's commercial end-use forecast database. Commercial energy intensity is measured in terms of end-use energy use per square foot. End-use energy intensity projections are based on end-use efficiency and saturation estimates that are in turn driven by assumptions in available technology and costs, energy prices, and economic conditions. Energy intensities are calculated from the EIA's Annual Energy Outlook (AEO) commercial database. End-use intensity projections are derived for eleven building types. The energy intensity (EI) is derived by dividing end-use electricity consumption projections by square footage:

$$EI_{bet} = Energy_{bet} / sqft_{bt}$$

Where:

$Energy_{bet}$ = energy consumption for building type b, end-use e, year t

$Sqft_{bt}$ = square footage for building type b in year t

Commercial customers are modeled using the projected level of residential customers.

Industrial Sector

Energy sales to this sector are separated into two sub-sectors. A large portion of industrial energy use is consumed by the phosphate mining industry. Because this one industry is such a large share of the total industrial class, it is separated and modeled apart from the rest of the class. The term "non-phosphate industrial" is used to refer to those customers who comprise the remaining portion of total industrial class sales. Both groups are impacted by changes in economic activity. However, adequately explaining sales levels requires separate explanatory variables. Non-phosphate industrial energy sales are modeled using Florida manufacturing employment, energy prices, and the average number of sales month billing days.

The industrial phosphate mining industry is modeled using customer-specific information with respect to anticipated market conditions. Since this sub-sector is comprised of only three customers, the forecast is dependent upon information received from direct customer contact. DEF Large Account Management employees provide specific phosphate customer information regarding customer production schedules, inventory levels, area mine-out and start-up predictions, and changes in self-service generation or energy supply situations over the forecast horizon. These Florida mining companies compete globally into a global market where farming conditions dictate the need for “crop nutrients”.

The projection of industrial accounts was not expected to decline as rapidly as it has in the previous ten years. The pace of “off-shoring” manufacturing jobs was expected to decline from past levels. Both the Trump and Biden administrations have favored the rebuilding of the American manufacturing sector, with the Biden administration adding a focus on carbon reduction. Also, the rapid increase in Florida population may recalibrate Florida’s competitiveness in “location analysis” studies performed by industry when determining site selection for new operations.

Street Lighting

Electricity sales to the street and highway lighting class are projected to decrease over the forecast period due to increased energy efficiency. The number of accounts has increased due to rate changes from the Public Authority class. A simple time-trend was used to project energy consumption and customer growth in this class.

Public Authorities

Energy sales to public authorities (SPA), comprised of federal, state and local government operated services, are projected to increase within the DEF's service area. This is a result of a growing economy and population representing a larger tax base. The level of government services, and thus energy, can be tied to the population base, as well as the amount of tax revenue collected to pay for these services. Factors affecting population growth will affect the need for additional governmental services (i.e., public schools, city services, etc.) thereby increasing SPA energy consumption. Government employment has been determined to be the best indicator of the level of government services provided. This variable, along with cooling degree-days, energy prices and the sales month billing days, explains most of the variation over the historical sample period. Adjustments are also included in this model to account for the large change in school-related energy use throughout the year. The SPA customer forecast is projected linearly as a function of a time-trend. Recent budget issues have also had an impact on the near-term pace of growth.

Sales for Resale Sector

The Sales for Resale sector encompasses all firm sales to other electric power entities. This includes sales to other utilities (municipal or investor-owned) as well as power agencies (rural electric authority or municipal).

SECI is a wholesale, or Sales for Resale, customer of DEF that contracts for both seasonal and stratified loads over the forecast horizon. The municipal Sales for Resale class includes a number of customers, divergent not only in scope of service (i.e., full or partial requirement), but also in composition of ultimate consumers. Each customer is modeled separately in order to accurately reflect its individual profile. DEF serves partial requirement service (PR) to load serving customers such as Reedy Creek Improvement District. In each case, these customers contract with DEF for a specific level and type of stratified capacity (MW) needed to provide their particular electrical system with an appropriate level of reliability. The energy forecast for each contract is derived using information provided by the purchaser who better understands their needs. Electric energy growth and competitive market prices will dictate the amount of wholesale demand and energy throughout the forecast horizon.

PEAK DEMAND FORECAST

The forecast of peak demand also employs a disaggregated econometric methodology. For seasonal (winter and summer) peak demands, as well as each month of the year, DEF's coincident system peak is separated into five major components. These components consist of total retail load, interruptible and curtailable tariff non-firm load, conservation and demand response program capability, wholesale demand, and company use demand.

Total retail load refers to projections of DEF retail monthly net peak demand before any activation of DEF's General Load Reduction Plan. The historical values of this series are constructed to show the size of DEF's retail net peak demand assuming no utility activated load control had ever taken place. The value of constructing such a "clean" series enables the forecaster to observe and correlate the underlying trend in retail peak demand to retail customer levels and coincident weather conditions at the time of the peak and the amounts of Base-Heating-Cooling load estimated by the monthly Itron models without the impacts of year-to-year variation in utility-sponsored DR programs. Monthly peaks are projected using the Itron SAE generated use patterns for both weather sensitive (cooling & heating) appliances and base load appliances calculated by class in the energy models. Daily and hourly models of applying DEF class-of-business load research survey data lead to class and total retail hourly load profiles when a 30-year normal weather template replaces actual weather. The projections of retail peak are the result of a monthly model driven by the summation of class base, heating and cooling energy interpolated 30-year normal weather pattern-driven load profile. The projection for the months of January (winter) and August (summer) are typically when the seasonal peaks occur. Energy conservation and direct load control estimates consistent with DEF's DSM goals that have been established by the FPSC are applied to the MW forecast. Projections of dispatchable and cumulative non-dispatchable DSM impacts are subtracted from the projection of potential firm retail demand resulting in a projected series of firm retail monthly peak demand figures. The Interruptible and Curtailable service (IS and CS) tariff load projection is developed from historic monthly trends, as well as the incorporation of specific projected information obtained from DEF's large industrial accounts on these tariffs by account executives. Developing this piece of the demand forecast allows for appropriate firm retail demand results in the total retail coincident peak demand projection.

Sales for Resale demand projections represent load supplied by DEF to other electric suppliers such as SECI, RCID, and other electric transmission and distribution entities. For Partial Requirement demand projections, contracted MW levels dictate the level of seasonal demands.

DEF "company use" at the time of system peak is estimated using load research metering studies similar to potential firm retail. It is assumed to remain stable over the forecast horizon as it has historically.

Each of the peak demand components described above is a positive value except for the DSM program MW impacts and IS and CS load. These impacts represent a reduction in peak demand and are assigned a negative value. Total system firm peak demand is then calculated as the arithmetic sum of the five components.

HIGH AND LOW SCENARIOS

DEF has developed high and low scenarios around the base case energy sales and peak demand projections. Both scenarios incorporate historical variation in weather and economic conditions as well as service area population and household growth. Historical variation for economic driver variables selected in the base case energy sales models using the Moody's S1 & S3 (High/Low) scenarios. High and low weather variables were determined for the energy and peak weather variables (HDDs, CDDs, and monthly peak DDs) using actual 30-year weather conditions. Each weather variable used in the modeling process is ranked monthly from "high-to-low" degree days. The high (hottest or coldest) one-fourth of each variable is averaged and becomes a normal "High Case" weather condition. Similarly, the "mildest" one-fourth of each weather variable's 30 observations are averaged and become the normal "Low Case" weather condition. A review of twenty-year historical variation of DEF 29-county population growth based on Moody's high and low customer projections out ten years resulted in the final area of variability around the Load Forecast.

This procedure captures the most influential variables around energy sales and peak demand by estimating high and low cases for economics, demographics, and weather conditions. DEF has evaluated the load projections generated through this process against projected loads based on extreme temperature events over the last 40 years and concluded that the range of load represented in these cases encompasses the probable outcome of such extreme weather recurrence.

DEMAND SIDE MANAGEMENT

Pursuant to the provisions of Florida Statutes Section 366.82 (the "FEECA Statute"), which requires the FPSC to adopt goals for the FEECA utilities to increase energy efficiency and increase the development of demand-side renewable energy systems and directs the FPSC to review those goals every five years, in 2019, the FPSC conducted its statutorily required review and determined that it was in the public interest to continue with the goals for the 2020-2024 time period established in the 2014 Goals setting proceeding and directed the utilities to file Program Plans designed to achieve these goals (Order No. PSC-2019-0509-FOF-EG). In February 2020, DEF submitted a Plan designed to achieve the 2020-2024 goals which was approved by the Commission (Order No. PSC-2020-0274-PAA-EG) in August of that year. The programs included in this Plan are subject to periodic monitoring and evaluation to ensure that all demand-side resources are acquired in a cost-effective manner and that the program savings are durable. Tables 2.1 and 2.2 reflect the annual Program achievements for the residential and commercial sector compared to the Commission established goals for the 2020-2024 time period.

RESIDENTIAL DEMAND SIDE MANAGEMENT PROGRAMS

TABLE 2.1

Residential DSM MW and GWH Savings

RESIDENTIAL									
	WINTER PEAK MW REDUCTION			SUMMER PEAK MW REDUCTION			GWH ENERGY REDUCTION		
YEAR	TOTAL ACHIEVED	COMMISSION APPROVED GOAL	% VARIANCE	TOTAL ACHIEVED	COMMISSION APPROVED GOAL	% VARIANCE	TOTAL ACHIEVED	COMMISSION APPROVED GOAL	% VARIANCE
2020	31	32	-5%	18	16	13%	35	9	277%
2021	16	28	-42%	10	14	-26%	25	6	311%
2022	25	25	1%	16	12	30%	49	4	1205%
2023	30	22	36%	19	11	70%	50	2	2244%
2024		21			11			1	

The following provides a list of DEF's Residential DSM programs as of December 31, 2023, along with a brief overview of each program:

Home Energy Check – This is DEF's home energy audit program as required by Rule 25-17.003(3)(b), F.A.C. DEF offers a variety of options to customers for home energy audits including walk-through audits, phone assisted audits, and on-line audits. At the completion of the audit, DEF also provides kits that contain energy saving measures that may be easily installed by the customer.

Residential Incentive Program – This program provides incentives on a variety of cost-effective measures designed to provide energy savings. DEF expects to provide incentives to customers for the installation of approximately 75,000 energy saving measures over the 2020 to 2024 time period. These measures primarily include heating and cooling, duct repair, insulation, and energy efficient windows and home energy management systems. The measures and incentive levels included in this program have been updated to reflect the impacts of new codes and standards.

Neighborhood Energy Saver – This program is designed to provide energy saving education and assistance to low-income customers. This program targets neighborhoods that meet certain income eligibility requirements. DEF plans to install energy saving measures in approximately 5,250 homes annually over the 2020 to 2024 time period. Additionally, DEF increased its targeted homes by 5% or 250 homes above the annual projected homes for the calendar years 2022-2024. These measures will be installed at no cost to the customer and include air infiltration measures, water heating measures, lighting, insulation, duct repair, and heat pump and air conditioning tune-ups.

Low Income Weatherization Assistance Program – DEF partners with local agencies to provide funding for energy efficiency and weatherization measures to low-income customers through this program. DEF expects to provide assistance to approximately 500 customers annually through this program.

Residential Load Management a/k/a EnergyWise – This is a voluntary residential demand response program that provides monthly bill credits to customers who allow DEF to reduce peak demand by controlling service to selected electric equipment through various devices and communication options installed on the customer's premises. These interruptions are at DEF's option, during specified time periods, and coincident with hours of peak demand. Customers must have a minimum average monthly usage of 600 kWh to be eligible to participate in this program.

The Company is actively replacing 3G load control devices at customer premises and it remains on track for that work to be completed in 2025, as noted in the 2023 Ten-Year Site Plan. DEF will file its plan for incremental capability in the DSM goal setting docket this year and reflect the Commission approved increases in the 2025 Ten-Year Site Plan.

COMMERCIAL/INDUSTRIAL DEMAND SIDE MANAGEMENT PROGRAMS

TABLE 2.2

Commercial/Industrial DSM MW and GWH Savings

COMMERCIAL / INDUSTRIAL									
	WINTER PEAK MW REDUCTION			SUMMER PEAK MW REDUCTION			GWH ENERGY REDUCTION		
YEAR	TOTAL ACHIEVED	COMMISSION APPROVED GOAL	% VARIANCE	TOTAL ACHIEVED	COMMISSION APPROVED GOAL	% VARIANCE	TOTAL ACHIEVED	COMMISSION APPROVED GOAL	% VARIANCE
2020	24	5	354%	46	8	460%	40	6	582%
2021	11	5	124%	24	7	248%	22	4	454%
2022	5	5	1%	5	6	-17%	3	2	25%
2023	30	5	510%	27	6	377%	10	1	654%
2024		5			5			1	

The following provides a list of DEF's Commercial DSM programs as of December 31, 2023, along with a brief overview of each program:

Business Energy Check – This is a commercial energy audit program that provides commercial customers with an analysis of their energy usage and information about energy-saving practices specific to their business and operations and cost-effective measures that they can implement at their facilities.

Smart $aver Business f/k/a Better Business – This program provides incentives to commercial customers on a variety of cost-effective energy efficiency measures. These measures are primarily comprised of measures that reduce cooling and heating load.

Smart $aver Custom Incentive f/k/a Florida Custom Incentive – The objective of this program is to encourage customers to make capital investments for the installation of energy efficiency measures which reduce energy and peak demand. This program provides incentives for customized energy efficiency projects and measures that are cost effective but are not otherwise included in DEF's prescriptive commercial programs.

Interruptible Service – This program is available to commercial customers with a minimum billing demand of 500 KW or more who are willing to have their power interrupted at times of capacity shortage during peak or emergency conditions. DEF has remote control access to the switch providing power to the customer's equipment. Customers participating in the Interruptible Service program receive a monthly interruptible demand credit based on their bills.

Curtailable Service - This program is an indirect load control program that reduces DEF's energy demand at times of capacity shortage during peak or emergency conditions. The program is available to commercial customers with a minimum of 500KW or more who are willing to curtail their load.

Standby Generation - This program is a demand control program that reduces DEF's demand based upon the control of the customer's back-up generator. The program is a voluntary program available to all commercial and industrial customers who have on-site stand-by generation capacity of at least 50 KW and are willing to allow remote activation of their on-site generation capability in emergencies.

OTHER DSM PROGRAMS

The following provides an overview of other DSM programs:

Technology Development – This program is used to fund research, testing and development of new energy efficiency and demand response technologies. This program provides the opportunity to investigate and test new technologies and determine their usefulness and feasibility in the support of energy efficiency and demand response programs.

Qualifying Facilities – This program analyzes, forecasts, facilitates, and administers the potential and actual power purchases from Qualifying Facilities (QFs) and the state jurisdictional QF or distributed generator interconnections. The program supports meetings with interested parties or potential QFs, including cogeneration and small power production facilities including renewables interested in providing renewable capacity or energy deliveries within our service territory. Project, interconnection, and avoided cost discussions with renewable and combined heat and power developers who are also exploring distributed generation options continue to remain steady. Most of the interest is coming from companies utilizing solar photovoltaic technology as the price of photovoltaic panels has decreased over time. The cost of this technology continues to decrease, and subsidies remain in place. As of December 31st, 2023, DEF had 69 active solar projects totaling approximately 5,100 MW in its FERC jurisdictional interconnection queue and 19 of those projects included DEF as the project developer. As the technologies advance and the market evolves, the Company’s policies will continue to be refined and remain compliant.

CHAPTER 3

FORECAST OF FACILITIES REQUIREMENTS

CHAPTER 3

FORECAST OF FACILITIES REQUIREMENTS

RESOURCE PLANNING FORECAST

OVERVIEW OF CURRENT FORECAST

Supply-Side Resources

As of December 31, 2023, DEF had a summer total firm capacity resource of 11,750 MW (see Table 3.1). This capacity resource includes fossil steam generators (2,423 MW), combined cycle plants (5,247 MW), combustion turbines (1,972 MW), solar power plants (648 MW), independent power purchases (1,163 MW), and non-utility purchased power (297 MW). Table 3.2 presents DEF's firm capacity contracts with renewable and cogeneration Facilities.

Demand-Side Programs

In August 2020, the FPSC approved demand-side management programs designed to meet the DSM goals established by the Commission in Order PSC-2019-0509-FOF-EG. Total DSM resources are presented in Schedules 3.1 and 3.2 of Chapter 2. These programs include Non-Dispatchable DSM, Interruptible Load, and Dispatchable Load Control resources.

Capacity and Demand Forecast

DEF's forecasts of capacity and demand for the projected summer and winter peaks can been found in Schedules 7.1 and 7.2, respectively. Demand forecasts shown in these schedules are based on Schedules 3.1.1 and 3.2.1, the base summer and winter forecasts. DEF's forecasts of capacity and demand are based on serving expected growth in retail requirements in its regulated service area and meeting commitments to wholesale power customers who have entered into supply contracts with DEF. In its planning process, DEF balances its supply plan for the needs of retail and wholesale customers and endeavors to ensure that cost-effective resources are available to meet the needs across the customer base.

Base Expansion Plan

DEF's planned supply resource additions and changes are shown in Schedule 8 and are referred to as DEF's Base Expansion Plan. This plan includes a net addition of over 4,700 MW of solar PV generation with an expected equivalent summer firm capacity contribution of approximately 880 MW, 90 MW of firm storage added in 2027 and 430 MW of combustion turbine firm capacity added in years 2032 and 2033. The incorporation of the full firm capacity of the Osprey Energy Center takes place at the end of 2025. Between 2022 and 2027, DEF will add close to 400 MW of combined cycle capacity that results from projects focusing on increasing the fuel efficiency of the combined cycle generating units. DEF continues to consider market supply-side resource alternatives to enhance DEF's resource plan.

DEF recognizes that as solar penetration increases, including both DEF and customer owned PV, the relationship between the solar production and the coincident load peak will change. In this plan, DEF has assigned this DEF owned solar PV generation an equivalent summer capacity value equal to 57% of the nameplate capacity of the planned installations from 2021 to 2024. DEF modeling derives an equivalent summer non-coincident, but on-peak-hour capacity value equal to 25% of the facility's nameplate rating for planned PV installations from 2025 to 2027 and 10% for 2028 and beyond. An annual performance degradation factor of 0.5% has been assigned to the PV installations. DEF will continue to evaluate these assignments over time and may revise these values in future Site Plans based on changes in project designs and the data received from actual operation of these facilities once they are installed. In addition, DEF recognizes that higher penetration of PV resources on the system will result in a need for additional balancing of generation intermittency. The declining capacity value for PV installations late in this decade and beyond could be improved substantially if battery technology advances support economic pairing of PV with energy storage, which could also help to address the need for balancing generation intermittency. DEF's strategy of steady and carefully paced additions of PV to the system will allow continued evaluation of these impacts and the need for additional resources in the future to meet these needs.

In their ongoing efforts to regulate greenhouse gas emissions, on June 19, 2019 the Environmental Protection Agency (EPA) issued the Affordable Clean Energy (ACE) Rule to replace the 2015 Clean Power Plan. However, on January 19, 2021, the U.S. Court of Appeals for the District of

Columbia issued its opinion vacating the ACE Rule and remanding the rule to the EPA. On October 29, 2021, the Supreme Court agreed to hear the appeal of the ACE vacatur. The case was heard at the Supreme Court in February 2022, and on June 30, 2022, the Court issued a decision reversing and remanding the January 19, 2021 D.C. Circuit Court decision. Currently, neither the CPP nor the ACE rule are in effect, as the EPA is working on a replacement rule. On May 23, 2023, EPA proposed five separate actions, which include establishing GHG performance standards for fossil fuel fired EGUs and combustion turbines as well as repealing the ACE rule. The EPA proposal aims to implement more protective GHG emission standards, which are potentially applicable to several DEF coal and natural gas combustion turbine units. DEF will continue to monitor the proposed rule, which is expected to be finalized by May 2024, and the potentially applicable requirements to the DEF emission units.

Duke Energy has set a goal at the enterprise level of achieving at least a 50% reduction in CO_2 emissions from a 2005 baseline by 2030 and net-zero emissions by 2050. DEF has incorporated anticipated tax savings from the 2022 IRA into our resource plan optimization and production cost models. These savings have increased the cost effectiveness of clean energy resources, particularly solar and batteries, enabling further cost-effective progress toward achievement of Duke Energy's enterprise level target.

DEF continues to modernize its generation resources with the retirement and projected retirements of several of the older units in the fleet, particularly combustion turbines at Bayboro, DeBary P2 - P6, and Bartow P1 & P3. Continued operations of the peaking units at Bayboro are planned through the year 2026. The DeBary units P2 - P6 and Bartow units P1 & P3 are projected to retire in 2027. There are many factors which may impact these retirements including environmental regulations and permitting, unit age and maintenance requirements, local operational needs, their relatively small capacity size and system requirement needs. In addition to retirements, DEF anticipates the expiration of several contracts with Qualifying Facilities (QFs) and Independent Power Producers (IPPs) over the plan period. Although the Base Expansion Plan projects expiration of all these contracts, DEF continues to consider options for renewing these contracts in a manner that provides system reliability and cost-effective capacity and energy for our customers.

DEF continues to improve the performance of its generation fleet. Starting in mid-2023 and through the end of 2027, DEF will perform upgrades to the combustion turbines associated with several of the fleet combined cycle units. The goal of these upgrades is to reduce the unit heat rates, improve the fleet fuel efficiency, and reduce DEF CO2 emissions. These upgrades will also result in the addition of close to 400 MWs of combined cycle capacity.

DEF's Base Expansion Plan projects the need for additional capacity with proposed in-service dates during the ten-year period from 2024 through 2033. The planned capacity additions, together with purchases from QFs, Investor-Owned Utilities (IOUs), and IPPs enable the DEF system to meet the energy requirements of its customer base. The capacity needs identified in this plan may be impacted by DEF's ability to extend or replace existing purchase power, cogeneration and QF contracts and to secure new renewable purchased power resources in their respective projected timeframes. The additions in the Base Expansion Plan depend, in part, on projected load growth, and obtaining all necessary state and federal permits under current schedules. Changes in these or other factors could impact DEF's Base Expansion Plan.

DEF has examined the high and low load scenarios presented in Schedules 3.1 and 3.2. As discussed in Chapter 2, these scenarios were developed to present and test a range of likely outcomes in peak load and energy demand. DEF found that the Base Expansion Plan was robust under the range of conditions examined. Current planned capacity is sufficient to meet the demand including reserve margin in these cases through 2028 allowing DEF sufficient time to plan additional generation capacity either through power purchase or new generation construction as needed if higher than baseline conditions emerge. If lower than baseline conditions emerge, DEF can defer future generation additions.

Status reports and specifications for the planned new generation facilities are included in Schedule 9. Planned transmission lines associated with the DEF Bulk Electric System (BES) are shown in Schedule 10.

TABLE 3.1

DUKE ENERGY FLORIDA

TOTAL CAPACITY RESOURCES OF
POWER PLANTS AND PURCHASED POWER CONTRACTS

AS OF DECEMBER 31, 2023

PLANTS	SUMMER NET DEPENDABLE CAPABILITY (MW)
Fossil Steam	2,423
Combined Cycle	5,247
Combustion Turbine	1,972
Solar	648
Total Net Dependable Generating Capability	**10,290**
Dependable Purchased Power	1,460
Firm Qualifying Facility Contracts (297 MW)	
Investor Owned Utilities (0 MW)	
Independent Power Producers (1,163 MW)	
TOTAL DEPENDABLE CAPACITY RESOURCES	**11,750**

TABLE 3.2

DUKE ENERGY FLORIDA
FIRM RENEWABLES
AND COGENERATION CONTRACTS

AS OF DECEMBER 31, 2023

Facility Name	Firm Capacity (MW)
Mulberry	115
Orange Cogen (CFR-Biogen)	104
Pasco County Resource Recovery	23
Pinellas County Resource Recovery	54.8
TOTAL	**296.8**

DUKE ENERGY FLORIDA

SCHEDULE 7.1

FORECAST OF CAPACITY, DEMAND AND SCHEDULED MAINTENANCE
AT TIME OF SUMMER PEAK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	TOTAL INSTALLED CAPACITY	FIRM[a] CAPACITY IMPORT	FIRM CAPACITY EXPORT	QF[b]	TOTAL CAPACITY AVAILABLE	SYSTEM FIRM SUMMER PEAK DEMAND	RESERVE MARGIN BEFORE MAINTENANCE		SCHEDULED MAINTENANCE	RESERVE MARGIN AFTER MAINTENANCE	
YEAR	MW	MW	MW	MW	MW	MW	MW	% OF PEAK	MW	MW	% OF PEAK
2024	10,418	874	0	78	11,369	9,000	2,369	26%	0	2,369	26%
2025	10,681	759	0	0	11,440	8,836	2,603	29%	0	2,603	29%
2026	11,319	655	0	0	11,974	8,790	3,184	36%	0	3,184	36%
2027	11,038	0	0	0	11,038	8,781	2,257	26%	0	2,257	26%
2028	11,155	0	0	0	11,155	8,908	2,247	25%	0	2,247	25%
2029	11,242	0	0	0	11,242	9,093	2,149	24%	0	2,149	24%
2030	11,336	0	0	0	11,336	9,260	2,076	22%	0	2,076	22%
2031	11,390	0	0	0	11,390	9,374	2,016	22%	0	2,016	22%
2032	11,873	0	0	0	11,873	9,595	2,279	24%	0	2,279	24%
2033	12,356	0	0	0	12,356	9,811	2,545	26%	0	2,545	26%

Notes:

a. FIRM Capacity Import includes Cogeneration, Utility and Independent Power Producers, and Short Term Purchase Contracts.

b. QF includes Firm Renewables

DUKE ENERGY FLORIDA

SCHEDULE 7.2

FORECAST OF CAPACITY, DEMAND AND SCHEDULED MAINTENANCE
AT TIME OF WINTER PEAK

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	TOTAL INSTALLED CAPACITY	FIRM[a] CAPACITY IMPORT	FIRM CAPACITY EXPORT	QF[b]	TOTAL CAPACITY AVAILABLE	SYSTEM FIRM WINTER PEAK DEMAND	RESERVE MARGIN BEFORE MAINTENANCE		SCHEDULED MAINTENANCE	RESERVE MARGIN AFTER MAINTENANCE	
YEAR	MW	MW	MW	MW	MW	MW	MW	% OF PEAK	MW	MW	% OF PEAK
2023/24	10,675	1,442	0	78	12,195	8,872	3,323	37%	0	3,323	37%
2024/25	10,774	803	0	0	11,577	9,112	2,465	27%	0	2,465	27%
2025/26	11,272	699	0	0	11,971	9,124	2,847	31%	0	2,847	31%
2026/27	11,205	699	0	0	11,904	9,165	2,739	30%	0	2,739	30%
2027/28	10,902	0	0	0	10,902	8,682	2,220	26%	0	2,220	26%
2028/29	10,974	0	0	0	10,974	8,795	2,179	25%	0	2,179	25%
2029/30	11,046	0	0	0	11,046	8,957	2,089	23%	0	2,089	23%
2030/31	11,118	0	0	0	11,118	9,017	2,100	23%	0	2,100	23%
2031/32	11,118	0	0	0	11,118	9,125	1,993	22%	0	1,993	22%
2032/33	11,587	0	0	0	11,587	9,210	2,377	26%	0	2,377	26%

Notes:

a. FIRM Capacity Import includes Cogeneration, Utility and Independent Power Producers, and Short Term Purchase Contracts.

b. QF includes Firm Renewables

DUKE ENERGY FLORIDA

SCHEDULE 8

PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES

AS OF JANUARY 1, 2024 THROUGH DECEMBER 31, 2033

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
												FIRM			
								CONST.	COM'L IN-	EXPECTED	GEN. MAX.	NET CAPABILITY			
	UNIT	LOCATION	UNIT	FUEL		FUEL TRANSPORT		START	SERVICE	RETIREMENT	NAMEPLATE	SUMMER	WINTER		
PLANT NAME	NO.	(COUNTY)	TYPE	PRI.	ALT.	PRI.	ALT.	MO. / YR	MO. / YR	MO. / YR	KW	MW	MW	STATUS[a]	NOTES[b]
MULE CREEK	1	BAY	PV	SO				04/2023	03/2024		74,900	43	0	P	(1)
WINQUEPIN	1	MADISON	PV	SO				04/2023	03/2024		74,900	43	0	P	(1)
FALMOUTH	1	SUWANNEE	PV	SO				06/2023	08/2024		74,900	43	0	P	(1)
COUNTY LINE	1	GILCHRIST	PV	SO				12/2023	10/2024		74,900	43	0		(1)
P L BARTOW	4	PINELLAS	CC	NG	DFO	PL	TK	09/2024	11/2024			141	99	P	(1) and (5)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(3)			(2)
SUNDANCE	1	MADISON	PV	SO				04/2024	03/2025		74,900	19	0		(1)
HINES	2	POLK	CC	NG	DFO	PL	TK	03/2025	05/2025			65	65	P	(1) and (5)
OSPREY CC	1	POLK	CC	NG	DFO	PL	TK		10/2025			347	381	P	(3)
HINES	4	POLK	CC	NG	DFO	PL	TK	10/2025	11/2025			52	52	P	(1) and (5)
BAILEY MILL	1	JEFFERSON	PV	SO				04/2025	12/2025		74,900	19	0		(1)
HALF MOON	1	SUMTER	PV	SO				04/2025	12/2025		74,900	19	0		(1)
RATTLER	1	HERNANDO	PV	SO				04/2025	12/2025		74,900	19	0		(1)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(4)			(2)
TIGER BAY	1	POLK	CC	NG	DFO	PL	TK	02/2026	03/2026			22	22	P	(1) and (5)
HINES	3	POLK	CC	NG	DFO	PL	TK	02/2026	04/2026			65	65	P	(1) and (5)
CITRUS	PB1	CITRUS	CC	NG				02/2026	05/2026			22	22	P	(1) and (5)
CITRUS	PB2	CITRUS	CC	NG				02/2026	05/2026			22	22	P	(1) and (5)
UNKNOWN		UNKNOWN	PV	SO				09/2025	06/2026		224,700	56			(1) and (4)
UNKNOWN		UNKNOWN	PV	SO				03/2026	12/2026		149,800	37	0	P	(1) and (4)
BAYBORO	P1 - P4	PINELLAS	CT	DFO		WA				10/2026		(151)	(198)		
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(4)			(2)
UNKNOWN		UNKNOWN	BA	N/A		N/A		01/2026	01/2027		100,000	90	90	P	(1)
DEBARY	P2 - P6	VOLUSIA	CT	DFO		TK				06/2027		(227)	(292)		
BARTOW	P1, P3	PINELLAS	CT	DFO		WA				06/2027		(82)	(101)		
UNKNOWN		UNKNOWN	PV	SO				09/2026	06/2027		224,700	56			(1) and (4)
UNKNOWN		UNKNOWN	PV	SO				04/2027	12/2027		149,800	37	0	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(5)			(2)

a. See page v. for Code Identification of Future Generating Unit Status.

b. NOTES

(1) Planned, Prospective, or Committed project.
(2) Solar capacity degrades by 0.5% every year
(3) Osprey CC Acquisition total capacity is available once Transmission Upgrades are in service, total Summer capacity goes up to 592MW and total Winter capacity goes up to 626MW
(4) Multiple 74.9 MWs units at different sites. For SPS, 40 MW of storage for 74.9 MW of Solar PV.
(5) Combustion Turbines Heat Rate upgrades for Combined Cycles

DUKE ENERGY FLORIDA

SCHEDULE 8

PLANNED AND PROSPECTIVE GENERATING FACILITY ADDITIONS AND CHANGES

AS OF JANUARY 1, 2024 THROUGH DECEMBER 31, 2033

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
								CONST.	COM'L IN-	EXPECTED	GEN. MAX.	FIRM NET CAPABILITY			
	UNIT	LOCATION	UNIT	FUEL		FUEL TRANSPORT		START	SERVICE	RETIREMENT	NAMEPLATE	SUMMER	WINTER		
PLANT NAME	NO.	(COUNTY)	TYPE	PRI.	ALT.	PRI.	ALT.	MO. / YR	MO. / YR	MO. / YR	KW	MW	MW	STATUS[a]	NOTES[b]
UNKNOWN		UNKNOWN	PV	SO				09/2027	07/2028		299,600	30	0	P	(1) and (4)
UNKNOWN		UNKNOWN	SPS	SO				09/2027	07/2028		149,800	55	72	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(6)			(2)
UNKNOWN		UNKNOWN	PV	SO				09/2028	07/2029		374,500	37	0	P	(1) and (4)
UNKNOWN		UNKNOWN	SPS	SO				09/2028	07/2029		149,800	55	72	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(6)			(2)
UNKNOWN		UNKNOWN	PV	SO				09/2029	07/2030		449,400	45	0	P	(1) and (4)
UNKNOWN		UNKNOWN	SPS	SO				09/2029	07/2030		149,800	55	72	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(6)			(2)
UNKNOWN		UNKNOWN	PV	SO				09/2030	07/2031		599,200	60	0	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(6)			(2)
UNKNOWN	P1 - P2	UNKNOWN	CT	NG	DFO	FL	TK	07/2029	06/2032		455,000	430	466	P	(1)
UNKNOWN		UNKNOWN	PV	SO				09/2032	07/2033		599,200	60	0	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(7)			(2)
UNKNOWN	P3 - P4	UNKNOWN	CT	NG	DFO	FL	TK	07/2030	06/2033		455,000	430	466	P	(1)
UNKNOWN		UNKNOWN	PV	SO				09/2032	07/2033		599,200	60	0	P	(1) and (4)
SOLAR DEGRADATION	N/A	N/A	N/A	N/A		N/A		N/A	N/A	N/A	N/A	(7)			(2)

a. See page v. for Code Identification of Future Generating Unit Status.

b. NOTES

(1) Planned, Prospective, or Committed project.
(2) Solar capacity degrades by 0.5% every year
(3) Osprey CC Acquisition total capacity is available once Transmission Upgrades are in service, total Summer capacity goes up to 592MW and total Winter capacity goes up to 626MW
(4) Multiple 74.9 MWs units at different sites. For SPS, 40 MW of storage for 74.9 MW of Solar PV.
(5) Combustion Turbines Heat Rate upgrades for Combined Cycles

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**Mule Creek**	
(2)	Capacity			
	a. Nameplate (MWac):		74.9	
	b. Summer Firm (MWac):		42.7	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		4/2023	
	b. Commercial in-service date:		3/2024	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~28	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,221.86	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)	17.17	
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**Winquepin**	
(2)	Capacity			
	a. Nameplate (MWac):		74.9	
	b. Summer Firm (MWac):		42.7	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		4/2023	
	b. Commercial in-service date:		3/2024	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~28	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,221.86	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)	17.17	
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**Falmouth**	
(2)	Capacity			
	a. Nameplate (MWac):		74.9	
	b. Summer Firm (MWac):		42.7	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		6/2023	
	b. Commercial in-service date:		8/2024	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~28	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,221.86	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)	17.17	
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**County Line**	
(2)	Capacity		
	a. Nameplate (MWac):	74.9	
	b. Summer Firm (MWac):	42.7	
	c. Winter Firm (MWac):	-	
(3)	Technology Type:	PHOTOVOLTAIC	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	12/2023	
	b. Commercial in-service date:	10/2024	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	SOLAR	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	N/A %	
	b. Forced Outage Factor (FOF):	N/A %	
	c. Equivalent Availability Factor (EAF):	N/A %	
	d. Resulting Capacity Factor (%):	~28 %	
	e. Average Net Operating Heat Rate (ANOHR):	N/A BTU/Kwh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	30	
	b. Total Installed Cost (In-service year $/Kw):	1,221.86	
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)	17.17	
	g. Variable O&M ($/MWh): ($2024)	0.00	
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**Sundance**	
(2)	Capacity			
	a. Nameplate (MWac):		74.9	
	b. Summer Firm (MWac):		18.7	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		4/2024	
	b. Commercial in-service date:		3/2025	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,415.40	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)	17.17	
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**Bailey Mill**	
(2)	Capacity		
	a. Nameplate (MWac):	74.9	
	b. Summer Firm (MWac):	18.7	
	c. Winter Firm (MWac):	-	
(3)	Technology Type:	PHOTOVOLTAIC	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	4/2025	
	b. Commercial in-service date:	12/2025	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	SOLAR	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):		N/A %
	b. Forced Outage Factor (FOF):		N/A %
	c. Equivalent Availability Factor (EAF):		N/A %
	d. Resulting Capacity Factor (%):		~27 %
	e. Average Net Operating Heat Rate (ANOHR):		N/A BTU/Kwh
(13)	Projected Unit Financial Data		
	a. Book Life (Years):		30
	b. Total Installed Cost (In-service year $/Kw):		1,415.40
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)		17.17
	g. Variable O&M ($/MWh): ($2024)		0.00
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**Half Moon**	
(2)	Capacity		
	a. Nameplate (MWac):	74.9	
	b. Summer Firm (MWac):	18.7	
	c. Winter Firm (MWac):	-	
(3)	Technology Type:	PHOTOVOLTAIC	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	4/2025	
	b. Commercial in-service date:	12/2025	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	SOLAR	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	N/A %	
	b. Forced Outage Factor (FOF):	N/A %	
	c. Equivalent Availability Factor (EAF):	N/A %	
	d. Resulting Capacity Factor (%):	~27 %	
	e. Average Net Operating Heat Rate (ANOHR):	N/A BTU/Kwh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	30	
	b. Total Installed Cost (In-service year $/Kw):	1,428.31	
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)	17.17	
	g. Variable O&M ($/MWh): ($2024)	0.00	
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**Rattler**	
(2)	Capacity			
	a. Nameplate (MWac):		74.9	
	b. Summer Firm (MWac):		18.7	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		4/2025	
	b. Commercial in-service date:		12/2025	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):			N/A %
	b. Forced Outage Factor (FOF):			N/A %
	c. Equivalent Availability Factor (EAF):			N/A %
	d. Resulting Capacity Factor (%):			~27 %
	e. Average Net Operating Heat Rate (ANOHR):			N/A BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):			30
	b. Total Installed Cost (In-service year $/Kw):			1,428.31
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)		17.17
	g. Variable O&M ($/MWh):	($2024)		0.00
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**		
(2)	Capacity			
	a. Nameplate (MWac):	224.7		
	b. Summer Firm (MWac):	56.2		
	c. Winter Firm (MWac):	-		
(3)	Technology Type:	PHOTOVOLTAIC		
(4)	Anticipated Construction Timing			
	a. Field construction start date:	9/2025		
	b. Commercial in-service date:	6/2026	(EXPECTED)	
(5)	Fuel			
	a. Primary fuel:	SOLAR		
	b. Alternate fuel:	N/A		
(6)	Air Pollution Control Strategy:	N/A		
(7)	Cooling Method:	N/A		
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)		
(9)	Construction Status:	PLANNED		
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,428.34	
	c. Direct Construction Cost ($/Kw ac): ($2024)			
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr): ($2024)		17.17	
	g. Variable O&M ($/MWh): ($2024)		0.00	
	h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**	
(2)	Capacity		
	a. Nameplate (MWac):	149.8	
	b. Summer Firm (MWac):	37.5	
	c. Winter Firm (MWac):	-	
(3)	Technology Type:	PHOTOVOLTAIC	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	4/2026	
	b. Commercial in-service date:	12/2026	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	SOLAR	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	N/A %	
	b. Forced Outage Factor (FOF):	N/A %	
	c. Equivalent Availability Factor (EAF):	N/A %	
	d. Resulting Capacity Factor (%):	~27 %	
	e. Average Net Operating Heat Rate (ANOHR):	N/A BTU/Kwh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	30	
	b. Total Installed Cost (In-service year $/Kw):	1,419.08	
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)	17.17	
	g. Variable O&M ($/MWh): ($2024)	0.00	
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**	
(2)	Capacity		
	a. Nameplate (MWac):	100.0	
	b. Summer Firm (MWac):	90.0	
	c. Winter Firm (MWac):	90.0	
(3)	Technology Type:	BATTERY STORAGE	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	7/2026	
	b. Commercial in-service date:	3/2027	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	N/A	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~1 ACRE / 5 MW	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	N/A %	
	b. Forced Outage Factor (FOF):	N/A %	
	c. Equivalent Availability Factor (EAF):	N/A %	
	d. Resulting Capacity Factor (%):	~10 %	
	e. Average Net Operating Heat Rate (ANOHR):	N/A BTU/Kwh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	15	
	b. Total Installed Cost (In-service year $/Kw):	1,650.00	
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)	30.00	
	g. Variable O&M ($/MWh): ($2024)	0.00	
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**TBD**	
(2)	Capacity			
	a. Nameplate (MWac):		224.7	
	b. Summer Firm (MWac):		56.2	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		9/2026	
	b. Commercial in-service date:		6/2027	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,409.96	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)	17.17	
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**		
(2)	Capacity			
	a. Nameplate (MWac):	149.8		
	b. Summer Firm (MWac):	37.5		
	c. Winter Firm (MWac):	-		
(3)	Technology Type:	PHOTOVOLTAIC		
(4)	Anticipated Construction Timing			
	a. Field construction start date:	4/2027		
	b. Commercial in-service date:	12/2027	(EXPECTED)	
(5)	Fuel			
	a. Primary fuel:	SOLAR		
	b. Alternate fuel:	N/A		
(6)	Air Pollution Control Strategy:	N/A		
(7)	Cooling Method:	N/A		
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)		
(9)	Construction Status:	PLANNED		
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,409.96	
	c. Direct Construction Cost ($/Kw ac): ($2024)			
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr): ($2024)		17.17	
	g. Variable O&M ($/MWh): ($2024)		0.00	
	h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**TBD**	
(2)	Capacity			
	a. Nameplate (MWac):		299.6	
	b. Summer Firm (MWac):		30.0	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		9/2027	
	b. Commercial in-service date:		7/2028	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,648.99	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)		
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**	
(2)	Capacity		
	a. Nameplate (MWac):	149.8	
	b. Summer Firm (MWac):	55.0	
	c. Winter Firm (MWac):	72.0	
(3)	Technology Type:	PHOTOVOLTAIC WITH BATTERY STORAGE	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	9/2027	
	b. Commercial in-service date:	7/2028	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	SOLAR	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	N/A %	
	b. Forced Outage Factor (FOF):	N/A %	
	c. Equivalent Availability Factor (EAF):	N/A %	
	d. Resulting Capacity Factor (%):	~34 %	
	e. Average Net Operating Heat Rate (ANOHR):	N/A BTU/Kwh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	30	
	b. Total Installed Cost (In-service year $/Kw):	2,470.83	
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)		
	g. Variable O&M ($/MWh): ($2024)	0.00	
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**TBD**	
(2)	Capacity			
	a. Nameplate (MWac):		374.5	
	b. Summer Firm (MWac):		37.5	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		9/2028	
	b. Commercial in-service date:		7/2029	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A %	
	b. Forced Outage Factor (FOF):		N/A %	
	c. Equivalent Availability Factor (EAF):		N/A %	
	d. Resulting Capacity Factor (%):		~27 %	
	e. Average Net Operating Heat Rate (ANOHR):		N/A BTU/Kwh	
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,632.89	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)		
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**		
(2)	Capacity			
	a. Nameplate (MWac):	149.8		
	b. Summer Firm (MWac):	55.0		
	c. Winter Firm (MWac):	72.0		
(3)	Technology Type:	PHOTOVOLTAIC WITH BATTERY STORAGE		
(4)	Anticipated Construction Timing			
	a. Field construction start date:	9/2028		
	b. Commercial in-service date:	7/2029	(EXPECTED)	
(5)	Fuel			
	a. Primary fuel:	SOLAR		
	b. Alternate fuel:	N/A		
(6)	Air Pollution Control Strategy:	N/A		
(7)	Cooling Method:	N/A		
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)		
(9)	Construction Status:	PLANNED		
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~34	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		2,444.11	
	c. Direct Construction Cost ($/Kw ac): ($2024)			
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr): ($2024)			
	g. Variable O&M ($/MWh): ($2024)		0.00	
	h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**TBD**	
(2)	Capacity			
	a. Nameplate (MWac):		449.4	
	b. Summer Firm (MWac):		44.9	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		9/2029	
	b. Commercial in-service date:		7/2030	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A %	
	b. Forced Outage Factor (FOF):		N/A %	
	c. Equivalent Availability Factor (EAF):		N/A %	
	d. Resulting Capacity Factor (%):		~27 %	
	e. Average Net Operating Heat Rate (ANOHR):		N/A BTU/Kwh	
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,617.30	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)		
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**		
(2)	Capacity			
	a. Nameplate (MWac):		149.8	
	b. Summer Firm (MWac):		55.0	
	c. Winter Firm (MWac):		72.0	
(3)	Technology Type:	PHOTOVOLTAIC WITH BATTERY STORAGE		
(4)	Anticipated Construction Timing			
	a. Field construction start date:		9/2029	
	b. Commercial in-service date:		7/2030	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:	SOLAR		
	b. Alternate fuel:	N/A		
(6)	Air Pollution Control Strategy:	N/A		
(7)	Cooling Method:	N/A		
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)		
(9)	Construction Status:	PLANNED		
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):			N/A %
	b. Forced Outage Factor (FOF):			N/A %
	c. Equivalent Availability Factor (EAF):			N/A %
	d. Resulting Capacity Factor (%):			~34 %
	e. Average Net Operating Heat Rate (ANOHR):			N/A BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):			30
	b. Total Installed Cost (In-service year $/Kw):			2,418.04
	c. Direct Construction Cost ($/Kw ac): ($2024)			
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr): ($2024)			
	g. Variable O&M ($/MWh): ($2024)			0.00
	h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**		
(2)	Capacity			
	a. Nameplate (MWac):	599.2		
	b. Summer Firm (MWac):	59.9		
	c. Winter Firm (MWac):	-		
(3)	Technology Type:	PHOTOVOLTAIC		
(4)	Anticipated Construction Timing			
	a. Field construction start date:	9/2030		
	b. Commercial in-service date:	7/2031		(EXPECTED)
(5)	Fuel			
	a. Primary fuel:	SOLAR		
	b. Alternate fuel:	N/A		
(6)	Air Pollution Control Strategy:	N/A		
(7)	Cooling Method:	N/A		
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)		
(9)	Construction Status:	PLANNED		
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,602.23	
	c. Direct Construction Cost ($/Kw ac): ($2024)			
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr): ($2024)			
	g. Variable O&M ($/MWh): ($2024)		0.00	
	h. K Factor:	NO CALCULATION		

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**Undesignated CTs P1-P2**	
(2)	Capacity		
	a. Summer (MWs):	215	
	b. Winter (MWs):	235	
(3)	Technology Type:	COMBUSTION TURBINE	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	7/2029	
	b. Commercial in-service date:	6/2032	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	NATURAL GAS	
	b. Alternate fuel:	DISTILLATE FUEL OIL	
(6)	Air Pollution Control Strategy:	Dry Low Nox Combustion	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	UNKNOWN	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:	PLANNED	
(11)	Status with Federal Agencies:	PLANNED	
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	3.00	%
	b. Forced Outage Factor (FOF):	2.00	%
	c. Equivalent Availability Factor (EAF):	95.06	
	d. Resulting Capacity Factor (%):	1.9	%
	e. Average Net Operating Heat Rate (ANOHR):	10,487	BTU/kWh
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	35	
	b. Total Installed Cost (In-service year $/kW):	1,421.8	
	c. Direct Construction Cost ($/kW): ($2024)	1,239.7	
	d. AFUDC Amount ($/kW):	180.9	
	e. Escalation ($/kW):	1.2	
	f. Fixed O&M ($/kW-yr): ($2024)	2.86	
	g. Variable O&M ($/MWh): ($2024)	9.03	
	h. K Factor:	NO CALCULATION	

NOTES
Total Installed Cost includes gas expansion, transmission interconnection and integration
$/kW values are based on Summer capacity
Fixed O&M cost does not include firm gas transportation costs

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**TBD**	
(2)	Capacity			
	a. Nameplate (MWac):		599.2	
	b. Summer Firm (MWac):		59.9	
	c. Winter Firm (MWac):		-	
(3)	Technology Type:		PHOTOVOLTAIC	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		9/2031	
	b. Commercial in-service date:		7/2032	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		SOLAR	
	b. Alternate fuel:		N/A	
(6)	Air Pollution Control Strategy:		N/A	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:			
(11)	Status with Federal Agencies:			
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		N/A	%
	b. Forced Outage Factor (FOF):		N/A	%
	c. Equivalent Availability Factor (EAF):		N/A	%
	d. Resulting Capacity Factor (%):		~27	%
	e. Average Net Operating Heat Rate (ANOHR):		N/A	BTU/Kwh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		30	
	b. Total Installed Cost (In-service year $/Kw):		1,587.67	
	c. Direct Construction Cost ($/Kw ac):	($2024)		
	d. AFUDC Amount ($/Kw):			
	e. Escalation ($/Kw):			
	f. Fixed O&M ($/Kw dc-yr):	($2024)		
	g. Variable O&M ($/MWh):	($2024)	0.00	
	h. K Factor:		NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:		**Undesignated CTs P3-P4**	
(2)	Capacity			
	a. Summer (MWs):		215	
	b. Winter (MWs):		235	
(3)	Technology Type:		COMBUSTION TURBINE	
(4)	Anticipated Construction Timing			
	a. Field construction start date:		7/2030	
	b. Commercial in-service date:		6/2033	(EXPECTED)
(5)	Fuel			
	a. Primary fuel:		NATURAL GAS	
	b. Alternate fuel:		DISTILLATE FUEL OIL	
(6)	Air Pollution Control Strategy:		Dry Low Nox Combustion	
(7)	Cooling Method:		N/A	
(8)	Total Site Area:		UNKNOWN	
(9)	Construction Status:		PLANNED	
(10)	Certification Status:		PLANNED	
(11)	Status with Federal Agencies:		PLANNED	
(12)	Projected Unit Performance Data			
	a. Planned Outage Factor (POF):		3.00	%
	b. Forced Outage Factor (FOF):		2.00	%
	c. Equivalent Availability Factor (EAF):		95.06	
	d. Resulting Capacity Factor (%):		1.9	%
	e. Average Net Operating Heat Rate (ANOHR):		10,487	BTU/kWh
(13)	Projected Unit Financial Data			
	a. Book Life (Years):		35	
	b. Total Installed Cost (In-service year $/kW):		1,428.6	
	c. Direct Construction Cost ($/kW):	($2024)	1,245.5	
	d. AFUDC Amount ($/kW):		181.7	
	e. Escalation ($/kW):		1.4	
	f. Fixed O&M ($/kW-yr):	($2024)	2.86	
	g. Variable O&M ($/MWh):	($2024)	9.03	
	h. K Factor:		NO CALCULATION	

NOTES
Total Installed Cost includes gas expansion, transmission interconnection and integration
$/kW values are based on Summer capacity
Fixed O&M cost does not include firm gas transportation costs

DUKE ENERGY FLORIDA

SCHEDULE 9
STATUS REPORT AND SPECIFICATIONS OF PROPOSED GENERATING FACILITIES
AS OF JANUARY 1, 2024

(1)	Plant Name and Unit Number:	**TBD**	
(2)	Capacity		
	a. Nameplate (MWac):	599.2	
	b. Summer Firm (MWac):	59.9	
	c. Winter Firm (MWac):	-	
(3)	Technology Type:	PHOTOVOLTAIC	
(4)	Anticipated Construction Timing		
	a. Field construction start date:	9/2032	
	b. Commercial in-service date:	7/2033	(EXPECTED)
(5)	Fuel		
	a. Primary fuel:	SOLAR	
	b. Alternate fuel:	N/A	
(6)	Air Pollution Control Strategy:	N/A	
(7)	Cooling Method:	N/A	
(8)	Total Site Area:	~500-600 ACRES PER SOLAR SITE (74.9 MW)	
(9)	Construction Status:	PLANNED	
(10)	Certification Status:		
(11)	Status with Federal Agencies:		
(12)	Projected Unit Performance Data		
	a. Planned Outage Factor (POF):	N/A %	
	b. Forced Outage Factor (FOF):	N/A %	
	c. Equivalent Availability Factor (EAF):	N/A %	
	d. Resulting Capacity Factor (%):	~27 %	
	e. Average Net Operating Heat Rate (ANOHR):	N/A BTU/Kwh	
(13)	Projected Unit Financial Data		
	a. Book Life (Years):	30	
	b. Total Installed Cost (In-service year $/Kw):	1,518.91	
	c. Direct Construction Cost ($/Kw ac): ($2024)		
	d. AFUDC Amount ($/Kw):		
	e. Escalation ($/Kw):		
	f. Fixed O&M ($/Kw dc-yr): ($2024)		
	g. Variable O&M ($/MWh): ($2024)	0.00	
	h. K Factor:	NO CALCULATION	

DUKE ENERGY FLORIDA

SCHEDULE 10
STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

MULE CREEK SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	Ladybug Substation
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	Existing transmission line right-of-way
(4) LINE LENGTH:	0.1 miles
(5) VOLTAGE:	230 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	1/1/2024
(7) ANTICIPATED CAPITAL INVESTMENT:	$5,536,000
(8) SUBSTATIONS:	Ladybug Substation
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10

STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

WINQUEPIN SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	Birch Switching Station
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	New transmission line right-of-way
(4) LINE LENGTH:	0.1 miles
(5) VOLTAGE:	230 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	4/26/2024
(7) ANTICIPATED CAPITAL INVESTMENT:	$16,018,213
(8) SUBSTATIONS:	Birch Switching Station
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10

STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

FALMOUTH SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	Suwannee Substation
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	New transmission line right-of-way
(4) LINE LENGTH:	0.2 miles
(5) VOLTAGE:	115 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	4/26/2024
(7) ANTICIPATED CAPITAL INVESTMENT:	$5,190,000
(8) SUBSTATIONS:	Suwannee Substation
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10

STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

COUNTY LINE SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	Ginnie Substation
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	Existing transmission line right-of-way
(4) LINE LENGTH:	0.1 miles
(5) VOLTAGE:	230 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	12/31/2024
(7) ANTICIPATED CAPITAL INVESTMENT:	$3,532,625
(8) SUBSTATIONS:	Ginnie Substation
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10
STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

SUNDANCE SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	Birch Switching Station
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	New transmission line right-of-way
(4) LINE LENGTH:	0.5 miles
(5) VOLTAGE:	230 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	3/1/2025
(7) ANTICIPATED CAPITAL INVESTMENT:	$5,540,000
(8) SUBSTATIONS:	Birch Switching Station
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10
STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

BAILEY MILL SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	Waukeenah Substation
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	New transmission line right-of-way
(4) LINE LENGTH:	0.1 miles
(5) VOLTAGE:	115 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	7/3/2026
(7) ANTICIPATED CAPITAL INVESTMENT:	$11,060,000
(8) SUBSTATIONS:	Waukeenah Substation
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10
STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

HALF MOON SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	A new 230 kV Switching Station on the Central Florida to Holder 230 kV line, approximately 18 miles from Holder substation
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	Existing transmission line right-of-way
(4) LINE LENGTH:	0.1 miles
(5) VOLTAGE:	230 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	12/1/2025
(7) ANTICIPATED CAPITAL INVESTMENT:	$28,167,740
(8) SUBSTATIONS:	A new 230 kV Switching Station on the Central Florida to Holder 230 kV line, approximately 18 miles from Holder substation
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10

STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

RATTLER SOLAR

(1) POINT OF ORIGIN AND TERMINATION:	A greenfield four (4) position ring bus substation along the DEF Brooksville to Inverness 69 kV transmission line, proximate to the existing Nobleton Tap
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	New transmission line right-of-way
(4) LINE LENGTH:	1 mile
(5) VOLTAGE:	69 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	11/1/2025
(7) ANTICIPATED CAPITAL INVESTMENT:	$22,337,000
(8) SUBSTATIONS:	A greenfield four (4) position ring bus substation along the DEF Brooksville to Inverness 69 kV transmission line, proximate to the existing Nobleton Tap
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

DUKE ENERGY FLORIDA

SCHEDULE 10
STATUS REPORT AND SPECIFICATIONS OF PROPOSED DIRECTLY ASSOCIATED TRANSMISSION LINES

OSPREY

(1) POINT OF ORIGIN AND TERMINATION:	Kathleen - Osprey
(2) NUMBER OF LINES:	1
(3) RIGHT-OF-WAY:	New transmission line right-of-way
(4) LINE LENGTH:	26.5 miles
(5) VOLTAGE:	230 kV
(6) ANTICIPATED CONSTRUCTION TIMING:	11/1/2024
(7) ANTICIPATED CAPITAL INVESTMENT:	$150,000,000
(8) SUBSTATIONS:	Kathleen, Osprey
(9) PARTICIPATION WITH OTHER UTILITIES:	N/A

INTEGRATED RESOURCE PLANNING OVERVIEW

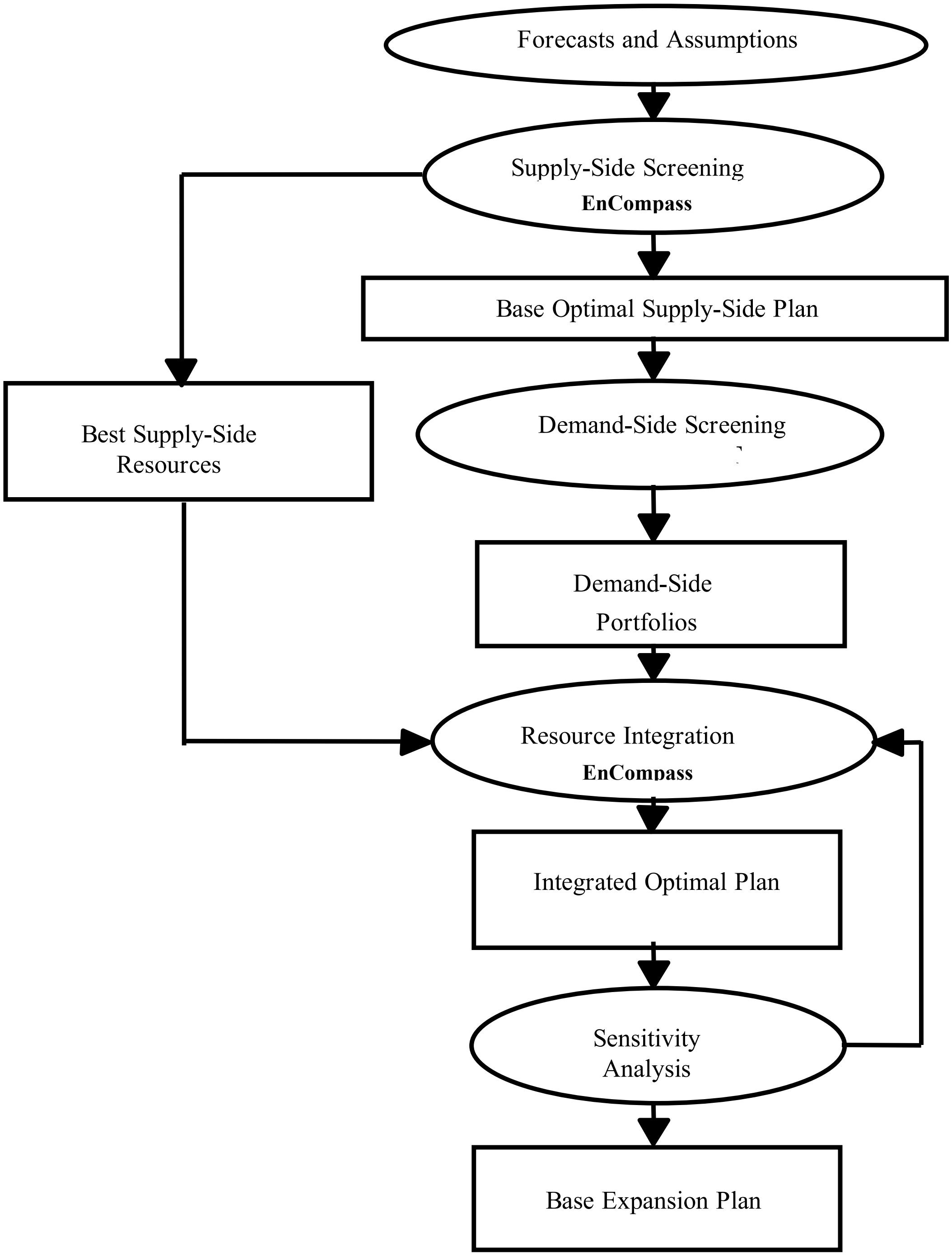
DEF employs an Integrated Resource Planning (IRP) process to determine the most cost-effective mix of supply- and demand-side alternatives that will reliably satisfy our customers' future demand and energy needs. DEF's IRP process incorporates state-of-the-art computer models used to evaluate a wide range of future generation alternatives and cost-effective conservation and dispatchable demand-side management programs on a consistent and integrated basis.

An overview of DEF's IRP Process is shown in Figure 3.1. The process begins with the development of various forecasts, including demand and energy, fuel prices, and economic assumptions. Future supply- and demand-side resource alternatives are identified, and extensive cost and operating data are collected to enable these to be modeled in detail. These alternatives are optimized together to determine the most cost-effective plan for DEF to pursue over the next ten years that meets the reliability criteria for our customers. The resulting ten-year plan, the Integrated Optimal Plan, is then tested under different relevant sensitivity scenarios to identify variances, if any, which would warrant reconsideration of any of the base plan assumptions. If the plan is judged robust and works within the corporate framework, it evolves as the Base Expansion Plan. This process is discussed in more detail in the following section titled "The Integrated Resource Planning (IRP) Process".

The IRP provides DEF with substantial guidance in assessing and optimizing the Company's overall resource mix on both the supply side and the demand side. When a decision supporting a significant resource commitment is being developed (e.g., plant construction, power purchase, DSM program implementation), the Company will move forward with directional guidance from the IRP and delve much further into the specific levels of examination required. This more detailed assessment will typically address very specific technical requirements and cost estimates, detailed corporate financial considerations, and the most current dynamics of the business and regulatory environments.

FIGURE 3.1

Integrated Resource Planning (IRP) Process Overview



THE INTEGRATED RESOURCE PLANNING (IRP) PROCESS

Forecasts and Assumptions

The evaluation of possible supply- and demand-side alternatives, and development of the optimal plan, is an integral part of the IRP process. These steps together comprise the integration process that begins with the development of forecasts and collection of input data. Base forecasts that reflect DEF's view of the most likely future scenario are developed. Additional future scenarios along with high and low forecasts may also be developed. Computer models used in the process are brought up to date to reflect this data, along with the latest operating parameters and maintenance schedules for DEF's existing generating units. This establishes a consistent starting point for all further analysis.

Reliability Criteria

Utilities require a margin of generating capacity above the firm demands of their customers in order to provide reliable service. Periodic scheduled outages are required to perform maintenance and inspections of generating plant equipment. At any given time during the year, some capacity may be out of service due to unanticipated equipment failures resulting in forced outages of generation units. Adequate reserve capacity must be available to accommodate these outages and to compensate for higher than projected peak demand due to forecast uncertainty and abnormal weather. In addition, some capacity must be available for operating reserves to maintain the balance between supply and demand on a moment-to-moment basis.

DEF plans its resources in a manner consistent with utility industry planning practices and employs both deterministic and probabilistic reliability criteria in the resource planning process. A Reserve Margin criterion is used as a deterministic measure of DEF's ability to meet its forecasted seasonal peak load with firm capacity. DEF plans its resources to satisfy a minimum 20% Reserve Margin criterion.

Loss of Load Probability (LOLP) is a probabilistic criterion that measures the probability that a company will be unable to meet its load throughout the year. While Reserve Margin considers the peak load and amount of installed resources, LOLP considers generating unit sizes, capacity mix, maintenance scheduling, unit availabilities, and capacity assistance available from other utilities. A standard probabilistic reliability threshold commonly used in the electric utility industry, and the criterion employed by DEF, is a maximum of one day in ten years loss of load probability.

DEF has based its resource planning on the use of dual reliability criteria since the early 1990s, a practice that has been accepted by the FPSC. DEF's resource portfolio is designed to satisfy the 20% Reserve Margin requirement and probabilistic analyses are periodically conducted to ensure that the one day in ten years LOLP criterion is also satisfied. By using both the Reserve Margin and LOLP planning criteria, DEF's resource portfolio is designed to have sufficient capacity available to meet customer peak demand, and to provide reliable generation service under expected load conditions. DEF has found that resource additions are typically triggered to meet the 20% Reserve Margin thresholds before LOLP becomes a factor.

Supply-Side Screening

Potential supply-side resources are screened to determine those that are the most cost-effective. Data used for the screening analysis is compiled from various industry sources and DEF's experiences. The wide range of resource options is pre-screened to set aside those that do not warrant a detailed cost-effectiveness analysis. Typical screening criteria are costs, fuel source, technology maturity, environmental parameters (e.g., emissions, possible climate impact), and overall resource feasibility.

Economic evaluation of generation alternatives is performed using the Capacity Expansion module of the EnCompass Power Planning Software licensed from Anchor Power Solutions. This optimization tool evaluates revenue requirements for specific resource plans generated from multiple combinations of future resource additions that meet system reliability criteria and other system constraints. Capacity expansion models are used to identify cost-effective system resources. However, additional modeling in a detailed production cost model is necessary to verify the resource selections with respect to cost, reliability, and environmental compliance as well as to conduct an overall assessment of the performance of the portfolio.

Demand-Side Screening

Like supply-side resources, the impacts of potential demand-side resources are also factored into the integrated resource plan. The projected MW and MWH impacts for demand-side management resources are based on the energy efficiency measures and energy management programs included in DEF’s 2015 DSM Plan and meet the goals established by the FPSC in December 2019 (Docket 20190018-EG).

Resource Integration and the Integrated Optimal Plan

The cost-effective generation alternatives can then be optimized together with the demand-side portfolios developed in the screening process to formulate integrated optimal plans. The optimization program considers all possible future combinations of supply- and demand-side alternatives that meet the Company's reliability criteria in each year of the ten-year study period and reports those that provide both flexibility and reasonable revenue requirements (rates) for DEF's customers. Candidate base plans are then evaluated using the production cost module of EnCompass. Production cost models maintain full chronology and load requirements in all hours simulating the hour-to-hour operation of the system. This provides hourly modeling of the portfolio dispatch and provides insights into the detailed energy production cost of a given portfolio, the emissions profile and helps to identify potential issues with unit operation and reliability.

Developing the Base Expansion Plan

The integrated optimized plan that provides the lowest revenue requirements may then be further tested using sensitivity analysis, including High and Low Demand and Energy Forecasts (see Schedules 2 and 3). The economics of the plan may be evaluated under high and low forecast scenarios for fuel, load and financial assumptions, or any other sensitivities which the planner deems relevant. From the sensitivity assessment, the plan that is identified as achieving the best balance of flexibility and cost is then reviewed within the corporate framework to determine how the plan potentially impacts or is impacted by many other factors. If the plan is judged robust under this review, it would then be considered the Base Expansion Plan.

KEY CORPORATE FORECASTS

Load Forecast

The assumptions and methodology used to develop the base case load and energy forecast are described in Chapter 2 of this TYSP. The High and Low forecasts of load and energy were provided to Resource Planning to test the robustness of the base plan.

Fuel Price Forecast

The base case fuel price forecast was developed using short-term and long-term spot market price projections from industry-recognized sources. The base cost for coal is based on the existing contracts and spot market coal prices and transportation arrangements between DEF and its various suppliers. For the longer term, the prices are based on spot market forecasts reflective of expected market conditions. Oil and natural gas prices are estimated based on current and expected contracts and spot purchase arrangements as well as near-term and long-term market forecasts. Oil and natural gas commodity prices are driven primarily by open market forces of supply and demand. Natural gas firm transportation cost is determined primarily by pipeline tariff rates.

Financial Forecast

The key financial assumptions used in DEF's most recent planning studies were 47% debt and 53% equity capital structure, projected cost of debt of 6.0%, and an equity return of 10.1%. The assumptions resulted in a weighted average cost of capital of 8.17% and an after-tax discount rate of 7.45%.

TEN-YEAR SITE PLAN (TYSP) RESOURCE ADDITIONS

DEF's planned supply resource additions and changes are shown in Schedule 8 and are referred to as DEF's Base Expansion Plan. This plan includes a net addition of over 4,700 MW of solar PV generation with an expected equivalent summer firm capacity contribution of approximately 880 MW, 90 MW of firm storage added in 2027 and 430 MW of combustion turbine firm capacity added in years 2032 and 2033. The incorporation of the full firm capacity of the Osprey Energy Center takes place at the end of 2025. Between 2022 and 2027, DEF will add close to 400 MW of combined cycle capacity that results from projects focusing on increasing the fuel efficiency of the combined cycle generating units. DEF continues to consider market supply-side resource alternatives to enhance DEF's resource plan.

The incorporation of the IRA tax credits has helped offset projected cost increases for solar, batteries, and solar plus storage units. In DEF's most recent approved rate settlement (FPSC Docket No. 20210016-EI), DEF anticipates the retirement of the two remaining coal units at Crystal River (Crystal River units 4 and 5) in 2034. Solar PV and a mix of batteries and CTs will be the cost-effective generation to replace most of that energy in the 2034 timeframe. DEF's plan to construct Solar Plants continues following a steady path, including a total of 1350 MW in the years 2024 through 2027. From 2028 through 2030 two Solar plus Storage units will be added per year. A more aggressive addition of Solar resources will continue from 2028 through 2033, totaling an additional 2,925 MW over those 6 years. This provides a path to meeting this goal through a measured and paced approach to bringing the solar onto the system which recognizes the challenges of building and interconnecting solar projects, helps maintain reliability as solar penetration increases and maintains affordability in customer rates. As with other elements of the plan, DEF will update these projections as decision dates approach. DEF also continues to consider market supply-side resource alternatives to enhance DEF's resource plan.

DEF recognizes that, as solar penetration increases, including both DEF and customer-owned PV, the total dependable solar resource capability is influencing or shifting DEF's reserve planning focus later beyond the on-peak period. DEF is accounting for this planning shift by deriving reduced summer capacity values of planned PV installations starting in 2025. Refer to Page 3-2 for additional solar resource capacity values that are accounting for this change.

DEF's Base Expansion Plan projects the need for additional capacity with estimated in-service dates during the ten-year period from 2024 through 2033. The planned capacity additions, together with purchases from QFs, IOUs, and IPPs help the DEF system meet the energy requirements of its customer base. The capacity needs identified in this plan may be impacted by DEF's ability to extend or replace existing purchase power and QF contracts and to secure new renewable purchased power resources in their respective projected timeframes. The additions in the Base Expansion Plan depend, in part, on projected load growth, and obtaining all necessary state and federal permits under current schedules. Changes in these or other factors could impact DEF's Base Expansion Plan.

Through its ongoing planning process, DEF will continue to evaluate the timetables for all projected resource additions and assess alternatives for the future considering, among other things, projected load growth, fuel prices, lead times in the construction marketplace, project development timelines for new fuels and technologies, and environmental compliance considerations. The

Company will continue to examine the merits of new generation alternatives and adjust its resource plans accordingly to ensure optimal selection of resource additions based on the best information available.

RENEWABLE ENERGY

DEF continues to secure renewable energy from the following facilities listed by fuel type:

Purchases from Municipal Solid Waste Facilities:

Pasco County Resource Recovery (23 MW)
Pinellas County Resource Recovery (54.8 MW)
Dade County Resource Recovery (As Available)
Lake County Resource Recovery (As Available)
Lee County Resource Recovery (As Available)

Purchases from Waste Heat from Exothermic Processes:

PCS Phosphate (As Available)
Citrus World (As Available)

Solar Photovoltaic Facilities

DEF-owned Solar Generation (1185.75 MW)

Osceola Solar Facility 3.8 MW
Perry Solar Facility 5.1 MW
Suwannee Solar Facility 8.8 MW
Hamilton Solar Power Plant 74.9 MW
Trenton Solar Power Plant 74.9 MW
Lake Placid Solar Power Plant 45.0 MW
St. Petersburg Pier Solar Power Plant 0.35 MW
DeBary Solar Power Plant 74.5 MW
Columbia Solar Power Plant 74.9 MW

Twin Rivers Solar Power Plant 74.9 MW
Santa Fe Solar Power Plant 74.9 MW
Duette Solar Power Plant 74.5 MW
Sandy Creek Solar Power Plant 74.9 MW
Fort Green Solar Power Plant 74.9 MW
Charlie Creek Solar Power Plant 74.9 MW
Bay Trail Solar Power Plant 74.9 MW
Bay Ranch Solar Power Plant 74.9 MW
Hardeetown Solar Power Plant 74.9 MW
High Springs Solar Power Plant 74.9 MW
Hildreth Solar Power Plant 74.9 MW

Customer-owned renewable generation under DEF's Net Metering Tariff (about 775 MW as of 12/31/23)

At this time, DEF is reviewing the potential for as-available purchased power contracts with third-party solar companies. In-service dates, however, are generally projected to be beyond 2025. As of December 31, 2023, DEF had over 5,100 MW of FERC jurisdictional solar projects in the DEF grid interconnection queue, representing over 69 active projects and 19 of those projects included DEF as the noted developer. DEF anticipates that additional projects developed by DEF as well as third parties will be added through the decade. Project ownership proportions may change over time based on specific project economics, development details, renewable energy incentives and other factors.

DEF continues to field inquiries from potential renewable suppliers and explore whether these potential QFs can provide project commitments and reliable capacity or energy consistent with FERC Rules and the FPSC Rules, 25-17.080 through 25-17.310. DEF will continue to submit renewable contracts in compliance with all policies as appropriate.

The development, construction, commissioning and initial operation of the solar projects at Perry, Osceola, Suwannee, Hamilton, Lake Placid, Trenton, DeBary, Columbia, Twin Rivers, Santa Fe, Duette, Bay Trail, Sandy Creek, Fort Green, Charlie Creek, the now commercial Bay Ranch, Hildreth, Hardeetown, and High Springs plants and under construction Mule Creek, Winquepin, Falmouth and County Line have provided DEF with valuable experience in siting, community engagement, contracting, constructing, operating, and integrating solar photovoltaic technology facilities on the power grid. DEF has worked with our communities on renewable and solar energy technology education, and our contractors to establish necessary standards for the construction and upkeep of utility grade facilities and to develop standards necessary to ensure the reliability of local distribution systems.

DEF is integrating voltage control in the transmission connected solar projects to enhance operational reliability and local transmission resiliency. In addition, DEF is incorporating the ability to place the solar facilities on Automatic Generation Control (AGC). This capability is preparing DEF for future scenarios where there is an excess of generation on the system and a need to utilize the solar resources to balance generation with demand. DEF is utilizing its operational experience and historic data from these solar resources to optimize the daily economic system dispatch, to quantify additional system flexibility needs to counteract the variability of solar generation and investigate potential fuel diversity contributions. The arrays for the solar plants that went in-service in 2023, Bay Ranch, Hardeetown, High Springs, and Hildreth, are shown in Figures 3.2, 3.3, 3.4, and 3.5 below.

FIGURE 3.2
Bay Ranch Solar Power Plant

FIGURE 3.3
Hardeetown Solar Power Plant

FIGURE 3.4
High Springs Solar Power Plant

FIGURE 3.5
Hildreth Power Plant

DEF's current forecast, supporting the Base Expansion Plan includes over 1,340 MW of DEF-owned solar PV to be under development over the next four years and approximately 4,700 MW over the ten-year planning horizon. As with all forecasts included here, the forecast relies heavily on the forward-looking price for this technology, the value rendered by this technology, and considerations to other emerging and conventional cost-effective alternatives, including the use of emerging battery storage technology.

BATTERY ENERGY STORAGE SYSTEMS

The final energy storage systems from DEF's 50 MW battery storage pilot program (Battery Storage Pilot) were placed in-service in 2023. This portfolio of projects may serve a variety of purposes including, but not limited to substation upgrade deferral, distribution line reconducting deferral, power reliability improvement, frequency regulation, Volt/VAR support, backup power, energy capture, and peak load shaving. The projects, max power output, and guaranteed energy storage for a minimum of ten years are provided in Table 3.3. Going forward, DEF will use the data gathered from the operation of these Pilot Program sites to evaluate the opportunities and uses of future DEF battery development. Integration and information sharing with the Duke Energy enterprise Emerging Technology Office will also allow real-world comparison with alternative technologies that may be available for commercial use in coming years.

Table 3.3
DEF Battery Energy Storage Pilot Program Projects Summary

Name	Max Power Output (MW)	Guaranteed Energy Storage (MWh)
Cape San Blas	5.5	14.3
Trenton	11.0	10.1
Micanopy	8.25	11.7
Jennings	5.5	5.5
John Hopkins Middle School	2.475	18.0
Lake Placid	17.275	34.0

DEF is currently developing a 100 MW / 200 MWH Battery Energy Storage System with a planned in-service date in 2027. The project will utilize lithium-ion energy storage and be located to maximize the Standalone Storage Investment Tax Credit (ITC) passed into law by the current administration. The expected increase of solar energy generation on the system provides a unique opportunity for energy storage assets to assist system integration of these intermittent resources and shift energy from lower system value periods to times with higher system value. This energy arbitrage will allow the cost of energy to be more predictably levelized and potentially partially reduces the need for peaking generation. New technologies and changing economics may allow acceleration of energy storage deployment in the future.

TECHNOLOGY AND INNOVATION

Duke Energy continues to evaluate new technology and innovations for potential application both in and beyond the ten-year plan window. Technologies under evaluation, but not yet included in the base expansion plan may be commercially or economically unproven, but Duke Energy and DEF are active in investigation and development of these technologies. At the Duke Energy enterprise level, engineers and specialists are involved in cooperative work with vendors and industry groups on supply-side technologies including wind generation, advanced battery development, hydrogen generation and combustion, and advanced nuclear. On the demand side, technologies including advanced demand response technologies such as commercial building pre-cooling, two-way water heater control, and smart appliance applications are being explored and evaluated. In addition, the company continues to explore intersections of grid and system operations with alternative generating technologies including distributed solar and storage and microgrid applications.

PLAN CONSIDERATIONS

Load Forecast

In general, higher-than-projected load growth would shift the need for new capacity to an earlier year and lower-than-projected load growth would delay the need for new resources. The Company's resource plan provides the flexibility to shift certain resources to earlier or later in-service dates should a significant change in projected customer demand begin to materialize. A specific discussion of DEF's review of load growth forecasts higher and lower than the base forecast can be found in the previous sections.

TRANSMISSION PLANNING

DEF's transmission planning assessment practices are developed to test the ability of the planned system to meet the reliability criteria as outlined in the FERC Form No. 715 filing, and to assure the system meets DEF, Florida Reliability Coordinating Council, Inc. (FRCC), and North American Electric Reliability Corporation (NERC) criteria. This involves the use of load flow and transient stability programs to model various contingency situations that may occur, and in determining if the system response meets the reliability criteria. In general, this involves running simulations for the loss of any single line, generator, or transformer. DEF runs this analysis for contingencies that may occur at system peak and off-peak load levels, under both summer and winter conditions. Additional studies are performed to determine the system response to credible, but less probable criteria. These studies include the loss of multiple generators, transmission lines, or combinations of each (some load loss is permissible under the more severe disturbances). These credible, but less probable scenarios are also evaluated at various load levels since some of the more severe situations occur at average or minimum load conditions. In particular, critical fault clearing times are typically the shortest (most severe) at minimum load conditions, with just a few large base load units supplying the system needs. As noted in the DEF reliability criteria, some remedial actions are allowed to reduce system loadings; in particular, sectionalizing is allowed to reduce loading on lower voltage lines for bulk system contingencies, but the risk to load on the sectionalized system must be reasonable (it would not be considered prudent to operate for long periods with a sectionalized system). In addition, the number of remedial action steps and the overall complexity of the scheme are evaluated to determine overall acceptability.

DEF presently uses the following reference documents to calculate and manage Available Transfer Capability (ATC), Total Transfer Capability (TTC) and Transmission Reliability Margin (TRM) for required transmission path postings on the Florida Open Access Same Time Information System (OASIS):

- http://www.oatioasis.com/FPC/FPCdocs/ATCID_Posted_Rev4.pdf
- http://www.oatioasis.com/FPC/FPCdocs/TRMID_4.pdf

DEF uses the following reference document to calculate and manage Capacity Benefit Margin (CBM):

- http://www.oatioasis.com/FPC/FPCdocs/CBMID_rev3.pdf

CHAPTER 4

ENVIRONMENTAL AND LAND USE INFORMATION

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CHAPTER 4

ENVIRONMENTAL AND LAND USE INFORMATION

PREFERRED SITES

DEF's 2024 TYSP Preferred Sites include eight solar generations sites: the Mule Creek Solar Site, the Winquepin Solar Site, the Falmouth Solar Site, the County Line Solar Site, the Sundance Solar Site, the Bailey Mill Solar Site, the Half Moon Solar Site, and the Rattler Solar Site. These Preferred Sites are discussed below.

MULE CREEK SOLAR SITE

DEF has identified the Mule Creek Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Bay County, Florida. Mule Creek is the third project constructed in Bay County. The site was used for pasture lands and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection is a new 230 kV breaker in DEF's existing Ladybug Switching Station and is connected via a short generation tie-line. All environmental surveys are complete. Solar is a now a permitted use on agriculturally zoned land in a local government comprehensive plan in the State of Florida. Special or Conditional use permits are no longer required. However, a Development Order (Final Site Plan approval) was required from Bay County. An Environmental Resource Permit (ERP) from the Florida Department of Environmental Protection (FDEP) was received in November 2022. There were no wetland impacts on site and there are no impacts to listed species. The project started construction in the spring of 2023. Construction is substantially complete, and the expected in-service date is March 2024.

FIGURE 4.1

Mule Creek Solar Project

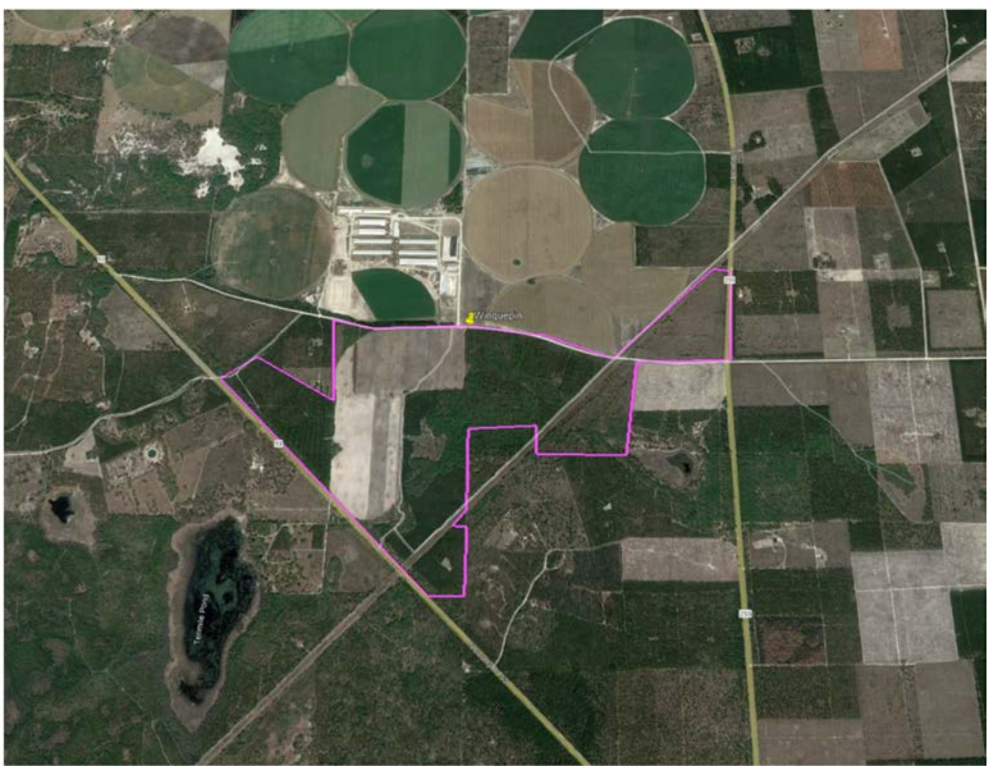
Mule Creek	2500 Sandy Creek Rd
	Panama City, FL 32404

WINQUEPIN SOLAR SITE

DEF has identified the Winquepin Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Madison County, Florida. The site is located on former agricultural and timber lands and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection is a new 230 kV, three terminal, three breaker switching station and is connected via a short generation tie-line. All environmental surveys are complete. Madison County approved the Final Site Plan and an ERP from FDEP was secured. There were no wetland impacts on site. State listed gopher tortoises were present onsite. The appropriate permit (Conservation/Relocation Permit) from the Florida Fish and Wildlife Conservation Commission (FWC) was secured. Tortoises have been relocated from the site. No additional listed species of concern were present. Construction began in the spring of 2023. Construction activities are substantially complete, and the expected in-service date is March 2024.

FIGURE 4.2

Winquepin Solar Project



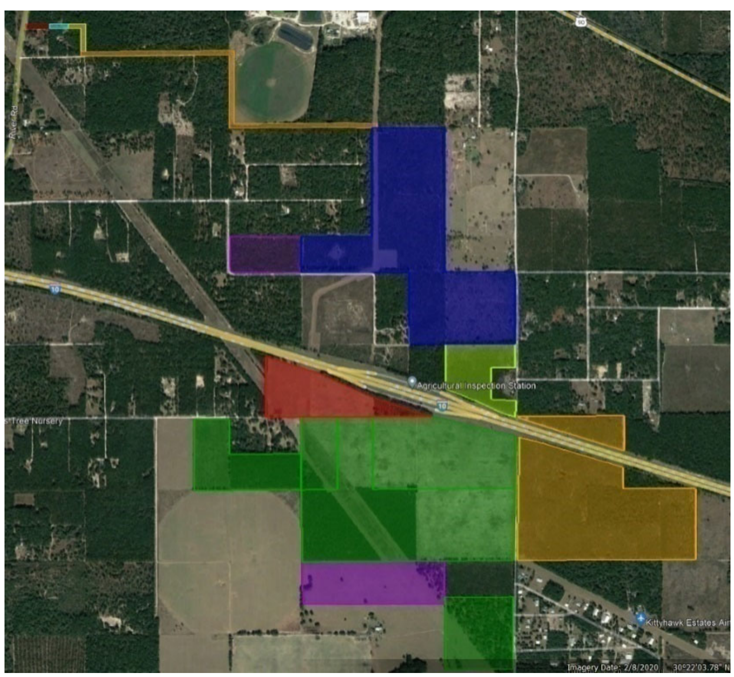
Winquepin	N. County Rd 53
	Madison, FL 32059

FALMOUTH SOLAR SITE

DEF has identified the Falmouth Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Suwanee County, Florida. Falmouth will be the third project constructed in Suwannee County. The site was historically used as pasture and timber lands and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection will be a new 115 kV breaker in DEF's existing Suwanee Switching Station and will be connected via a 1.5-mile generation tie-line. All environmental surveys are complete. Suwannee County has provided Final Site Plan approval. The ERP was issued by FDEP on June 12, 2023. The two small wetlands on site, less than .5 acres total, were avoided thus there were no wetland impacts. The habitat assessment survey and subsequent species-specific surveys confirmed presence for the state-listed Southeastern American kestrel. Gopher tortoises were also present. FWC issued an Incidental Take Permit (ITP) for impacts to Southeastern American kestrel habitat and a Conservation/Relocation permit for gopher tortoises. Construction began in June of 2023. Construction is expected to complete by Q3 2024, with an expected in-service date of August 2024.

FIGURE 4.3

Falmouth Solar Project



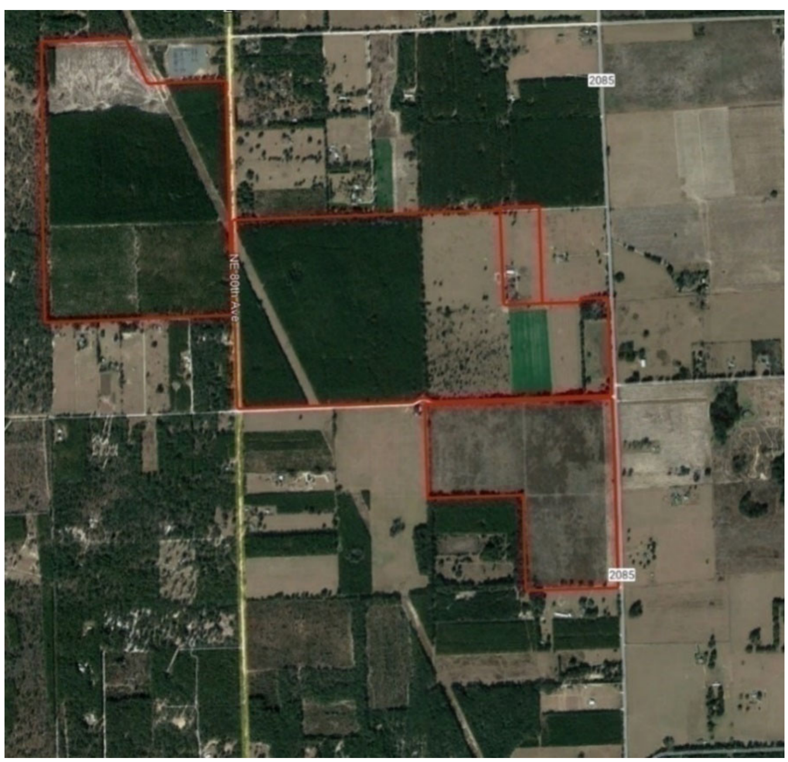
<u>Falmouth</u>	4431 River Rd
	Live Oak FL 32060

COUNTY LINE SOLAR SITE

DEF has identified the County Line Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Gilchrist County, Florida. The site was used for timber and pasture land and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection will be a new 230 kV breaker in DEF's existing Ginnie Substation and will be connected via a short generation tie-line. Environmental surveys have been completed and confirmed the presence of state-listed Southeastern American kestrel and state-listed gopher tortoise. There are no wetlands onsite. Final Site Plan approval from Gilchrist County was received on November 14, 2023. FDEP issued the final ERP on July 25, 2023. There are no wetland impacts proposed. FWC issued an ITP for impacts to Southeastern American kestrel habitat and a Conservation/Relocation permit for gopher tortoises. All gopher tortoises have been relocated. Construction began in December 2023. The expected in-service date is October 2024.

FIGURE 4.4

County Line Solar Project



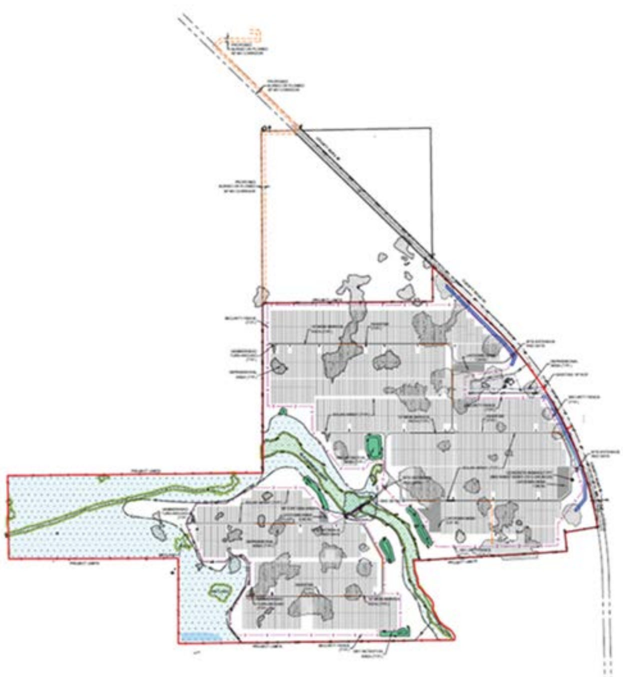
County Line	4960 NE 80th Blvd
	High Springs, FL 32643

SUNDANCE SOLAR SITE

DEF has identified the Sundance Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Madison County, Florida. The site is located on former agricultural lands and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection will be a new breakered terminal in the 230 kV, three Birch switching station and will be connected via a mile generation tie-line. All environmental surveys are complete. Solar is a permitted use on agriculturally zoned land in a local government comprehensive plan in the State of Florida. Special or Conditional use permits are not required. However, a Site Plan approval is required from Madison County. An ERP from FDEP will also be required. DEF has applied for the ERP and expects to receive it early in spring 2024. There are several wetlands on site that will be avoided. State listed gopher tortoises were present onsite. The appropriate Relocation Permit from the FWC will be secured prior to construction. No additional listed species of concern were present. The project is expected to start construction in the spring of 2024, with an expected in-service date of early 2025.

FIGURE 4.5

Sundance Solar Project



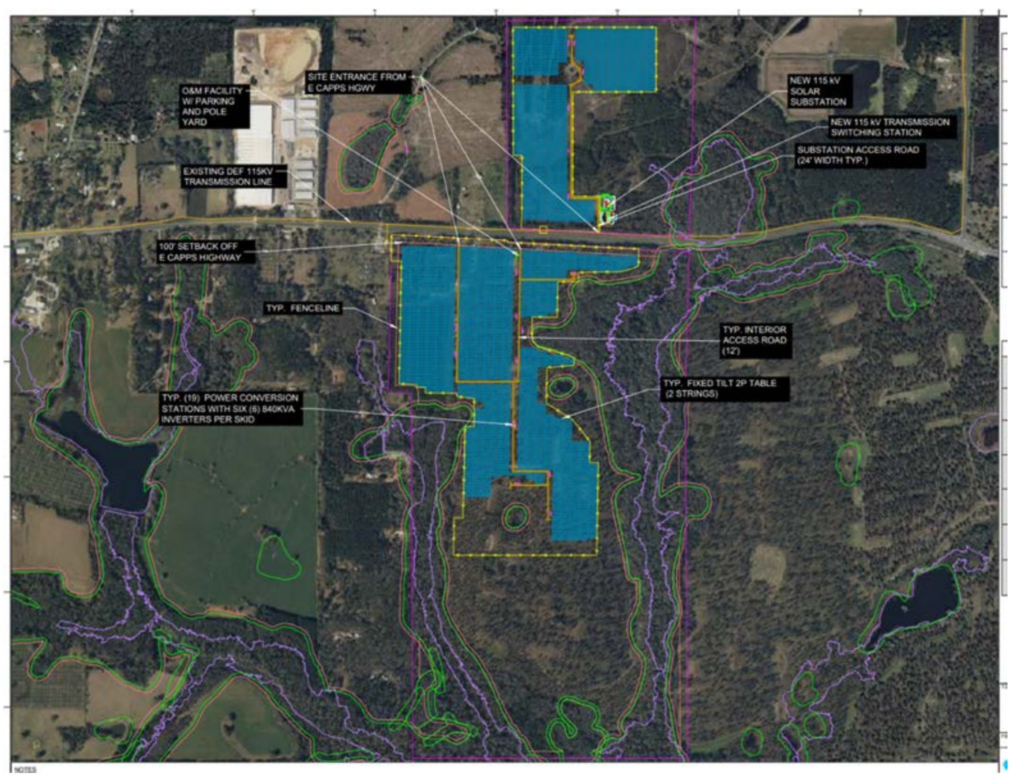
Sundance	16606 County Rd. 53
	Madison, FL 32059

BAILEY MILL SOLAR SITE

DEF has identified the Bailey Mill Renewable Energy Center, a 74.9 MWac solar Fixed tilt PV project located in Jefferson County, Florida. The site is located on timber and agricultural lands with some sloping that limits the use of a tracking system. The point of interconnection will be a new line tap on the Drifton to Waukeenah 115 kV line. All environmental surveys are complete. Solar is a permitted use on agriculturally zoned land in a local government comprehensive plan in the State of Florida. Special or Conditional use permits are not required. However, a Site Plan approval is required from Jefferson County. An ERP from FDEP will also be required. DEF intends to submit the ERP summer of 2024 and expects to receive it in late 2024. There are limited wetlands on site that will be avoided. State listed gopher tortoises were present onsite. The appropriate Relocation Permit from the FWC will be secured prior to construction. No additional listed species of concern were present. The project is expected to start construction in the spring of 2025, with an expected in-service date of December 2025.

FIGURE 4.6

Bailey Mill Solar Project



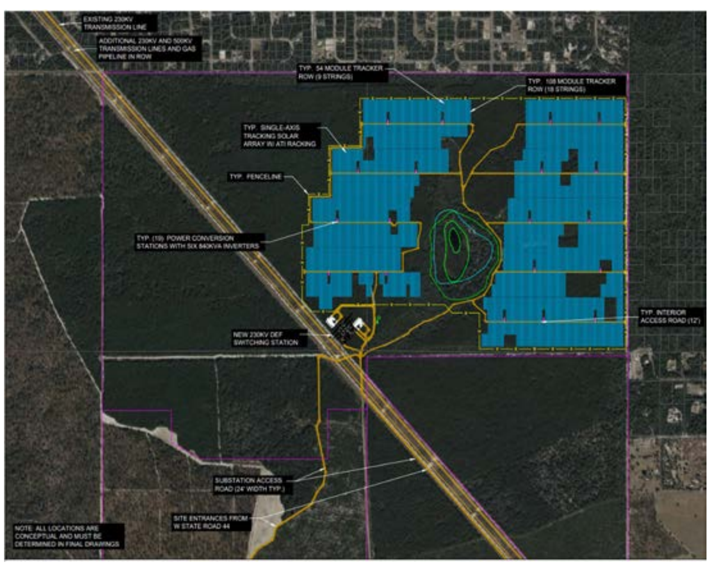
Bailey Mill	Jefferson County
	Zip Code 32344

HALF MOON SOLAR SITE

DEF has identified the Half Moon Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Sumter County, Florida. The site is located on merchantable timber lands and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection will be a new 230 kV, three terminal, three breaker switching station and is connected via a short generation tie-line. All environmental surveys are complete. Solar is a permitted use on agriculturally zoned land in a local government comprehensive plan in the State of Florida. Special or Conditional use permits are not required. However, a Site Plan approval is required from Sumter County. An ERP from FDEP will also be required. DEF intends to submit the ERP summer of 2024 and expects to receive it in late 2024. There are limited wetlands on site that will be avoided. State listed gopher tortoises were present onsite. The appropriate Relocation Permit from the FWC will be secured prior to construction. The Florida Scrub Jay was shown in the area, but not present on site. Consultation with the FWC will be completed prior to the start of construction. The project is expected to start construction in the spring of 2025, with an expected in-service date of December 2025.

FIGURE 4.7

Half Moon Solar Project



Half Moon	County:	Sumter	Latitude:	28.955619	Longitude:	-82.159585

RATTLER SOLAR SITE

DEF has identified the Rattler Renewable Energy Center, a 74.9 MWac solar single-axis tracking PV project located in Hernando County, Florida. The site is located on agricultural lands and is relatively flat with minimal sloping that will allow for the use of a tracking system. The point of interconnection will be a new 69 kV, four breaker switching station and is connected via a ~2-mile generation tie-line. All environmental surveys are complete. Solar is a permitted use on agriculturally zoned land in a local government comprehensive plan in the State of Florida. Special or Conditional use permits are not required. However, a Site Plan approval is required from Hernando County. An ERP from FDEP will also be required. DEF intends to submit the ERP summer of 2024 and expects to receive it in late 2024. There are limited wetlands on site that will be avoided. State listed gopher tortoises were present onsite. The appropriate permit Relocation Permit from the FWC will be secured prior to construction. The project is expected to start construction in the spring of 2025, with an expected in-service date of December 2025.

FIGURE 4.8

Rattler Solar Project

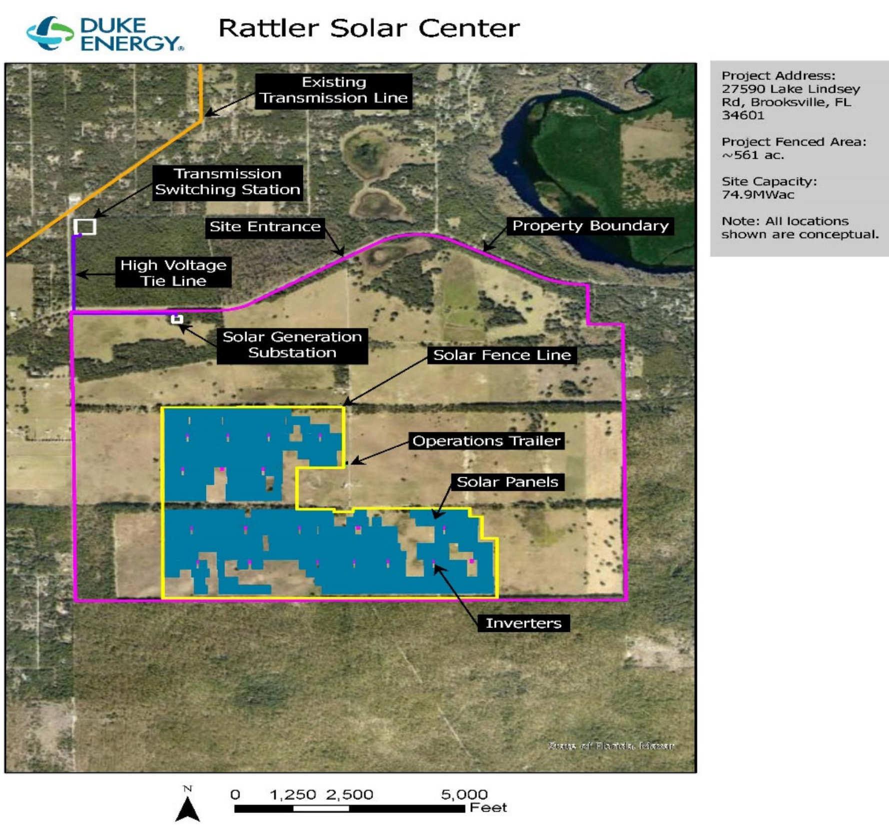


Exhibit RA-4:

2020 Crystal River North Retirement Study

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for rate increase by Duke Energy Florida, LLC.	Docket No. 20240025-EI Dated: May 3, 2024

DUKE ENERGY FLORIDA, LLC'S RESPONSE TO SIERRA CLUB'S FIRST REQUEST FOR PRODUCTION OF DOCUMENTS (NOS. 1-13)

Duke Energy Florida, LLC ("DEF"), responds to Sierra Club's First Request for Production of Documents (Nos. 1-13), as follows:

DOCUMENTS REQUESTED

1. Please provide all responses issued by DEF in response to data requests from any other party to this proceeding, including all attachments.

Response:
Sierra Club will have access to the non-confidential discovery responses served by DEF to other parties. Sierra Club may receive confidential responses only after execution of a non-disclosure agreement.

2. Please provide all work papers and schedules supporting DEF's application and supporting testimony (in electronic, machine-readable format).

Response:
Please refer to DEF's response to OPC POD 1-7 and LULAC POD 1-2.

3. Please refer to Sierra Club Interrogatory No. 1. For Crystal River units 4 and 5, please provide unredacted, in native format with all formulas intact, all analyses or assessments that study the value of continued operation (e.g., all retirement studies, unit condition assessments, deactivation assessments, or net present value of retirement analyses) conducted since 2018. This request includes, but is not limited to, all studies, presentations, reports, or other assessments conducted to determine how to comply with existing or potential environmental regulations.

Response:
Please see response to Sierra Club POD 1 - Q4.

4. Please refer to Sierra Club Interrogatory No. 2. Provide all underlying workbooks with formulas intact that were used to develop model input assumptions, in relation to each retirement study or unit condition assessment provided in response to Sierra Club Interrogatory No. 2 and Sierra Club Document Production Request No. 3.

   a. Produce all analyses or assessments of the impact that retirement of each unit would have on capacity adequacy, transmission grid stability, transmission grid support, voltage support, or transmission system reliability.

   b. Provide all modeled inputs for each unit and scenario.

   c. Provide all modeling outputs by unit and scenario.

   d. Provide all post-processing workbooks with formulas intact that were used to analyze study results outside the model.

   Response:
   Please see attachment bearing Bates numbers 20240025-SIERRACLUBPOD1-00000001 through 20240025-SIERRACLUBPPOD1-0000105. It includes the list of all the files that support the CRN retirement studies that were presented to Sierra Club in year 2020.

5. Please provide internal analyses, studies, or reports describing maintenance plans for Crystal River units 4 and 5 from now through 2034. Include information about expected timeline and cost for individual projects.

   Response:
   DEF completes cycle maintenance to keep the units reliable; new parts or material are incorporated as needed to sustain unit life. The Company is not adding new technology to the Crystal River units.

6. Please provide workpapers demonstrating the calculation of the quadratic heat rate formula for Crystal River units 4 and 5.

   Response:

Crystal River North Retirement Study - Preliminary

December 15, 2020





Information in This Presentation is Prepared for DEF – Sierra Club Discussion and is Confidential Subject to 2017 NDA

DUKE ENERGY®

Study Outline

- Objective: Study Options for cost effective retirement of Crystal River 4 & 5 in a range of years beginning in 2025.
- Criteria: CPVRR through 2042 (current book retirement date)
- Replacement Options:
  - Conventional Generation – NGCC, CT, ZELFR (SMR)
  - Renewable Generation – Utility Scale PV
  - Capacity Replacement – CT, Battery Storage

Key Assumptions

- Baseline Modeling Assumptions:
  - Load Forecast
  - Fuel Forecast
  - CO2 Assumptions: Emission Price Consistent with DE Climate Goals
  - Solar & Battery Pricing
  - Projected Unit Maintenance Schedule (CRN)

Case Matrix – Preliminary Analysis

- CRN Current book life presumes a retirement date of 2042.
  - Base Case: Retire 2042
  - Alternates:

CRN Retirement Year	Replacement Alternatives			
2042	ZELFR			
2034	NGCC			Solar & Battery
2029	NGCC	Solar & CT	CTs Only	Solar & Battery
2025	NGCC			

Preliminary Results Summary

CPVRR Through Year 2042 2020$M	Early Retirement - CRN Ret 2042						
	CRN Ret 2034 Savings	CRN Ret 2034 Replaced with Solar and Batteries Savings	CRN Ret 2029 Savings	CRN Ret 2029 CTs only Savings	CRN Ret 2029 Replaced with Solar Savings	CRN Ret 2029 Replaced with Solar and Batteries Savings	CRN Ret 2025 Savings
Fuel Cost	(48)	(520)	(91)	346	(511)	(766)	(125)
Variable Costs	7	(4)	7	131	22	(5)	17
Environmental Costs without Carbon	(14)	(16)	(29)	(29)	(40)	(40)	(39)
Total Variable Savings before CO2 Costs	**(56)**	**(539)**	**(113)**	**448**	**(528)**	**(811)**	**(148)**
CO2 Cost	(398)	(687)	(610)	(371)	(787)	(949)	(678)
Total Variable Savings including CO2 Costs	**(454)**	**(1,226)**	**(723)**	**77**	**(1,316)**	**(1,759)**	**(826)**
Additional Solar and Batteries (Capital / FOM)	-	1,669	-	-	1,254	2,833	-
Conventional Generation (Capital / FOM / Gas Reserv.)	788	(141)	1,376	991	846	(135)	1,723
Fixed Costs associated with CRN and Anclote	(360)	(360)	(481)	(481)	(481)	(481)	(708)
Total CPVRR Savings	**(25)**	**(57)**	**172**	**586**	**303**	**457**	**190**
	Retiring CRN in 2034 is the most economic option						
Total CPVRR Savings Without CO2 Costs	**372**	**630**	**782**	**957**	**1,090**	**1,406**	**867**
	Retiring CRN in 2042 is the most economic option						
	Negative = Savings						

Case Matrix – Updated Runs

CRN Retirement Year	Replacement Alternatives		
2042	ZELFR		
2034	NGCC	Solar 1500 MW and Battery 1300 MW	Solar 3000 MW and Battery 1300 MW
2029	NGCC	Solar 1500 MW and Battery 1300 MW	Solar 3000 MW and Battery 1300 MW
CR4 2026 - CR5 2029		Solar 1500 MW and Battery 1300 MW	Solar 3000 MW and Battery 1300 MW

UO Solar	Capacity MWs
Solar Units before SoBra	18
SoBra Solar Units	700
CEC Solar Units	750
2025 and beyond Solar Units	1,292
	2,760

Sensitivities

- DEF Reference Assumptions
- High Fuel Prices
- NREL ATB “Advanced” Unit Capital Prices and FOM
- Higher Demand Response Potential

Cases

Capital and OM Price Source:	DEF Reference
Fuel Price:	Reference
DSM (Demand Response):	Base

Retirement Year	Primary Replacement for CRN	Incremental Solar	Incremental Solar MW/Yr
2042	ZELFR	None	N/A
2034	NGCC	None	N/A
2034	Solar/Storage	1500	300
2034	Solar/Storage	3000	600
2029	NGCC	None	N/A
2029	Solar/Storage	1500	300
2029	Solar/Storage	3000	600
CR4 2026/CR5 2029	Solar/Storage	1500	300
CR4 2026/CR5 2029	Solar/Storage	3000	600

Capital and OM Price Source:	Sierra Club
Fuel Price:	Reference
DSM (Demand Response):	Base

Retirement Year	Primary Replacement for CRN	Incremental Solar	Incremental Solar MW/Yr
2042	ZELFR	None	N/A
2034	NGCC	None	N/A
2034	Solar/Storage	1500	300
2034	Solar/Storage	3000	600
2029	NGCC	None	N/A
2029	Solar/Storage	1500	300
2029	Solar/Storage	3000	600
CR4 2026/CR5 2029	Solar/Storage	1500	300
CR4 2026/CR5 2029	Solar/Storage	3000	600

Capital and OM Price Source:	DEF Reference
Fuel Price:	High
DSM (Demand Response):	Base

Retirement Year	Primary Replacement for CRN	Incremental Solar	Incremental Solar MW/Yr
2042	ZELFR	None	N/A
2034	NGCC	None	N/A
2034	Solar/Storage	1500	300
2034	Solar/Storage	3000	600
2029	NGCC	None	N/A
2029	Solar/Storage	1500	300
2029	Solar/Storage	3000	600
CR4 2026/CR5 2029	Solar/Storage	1500	300
CR4 2026/CR5 2029	Solar/Storage	3000	600

Capital and OM Price Source:	Sierra Club
Fuel Price:	High
DSM (Demand Response):	Base

Retirement Year	Primary Replacement for CRN	Incremental Solar	Incremental Solar MW/Yr
2042	ZELFR	None	N/A
2034	NGCC	None	N/A
2034	Solar/Storage	1500	300
2034	Solar/Storage	3000	600
2029	NGCC	None	N/A
2029	Solar/Storage	1500	300
2029	Solar/Storage	3000	600
CR4 2026/CR5 2029	Solar/Storage	1500	300
CR4 2026/CR5 2029	Solar/Storage	3000	600

Cases

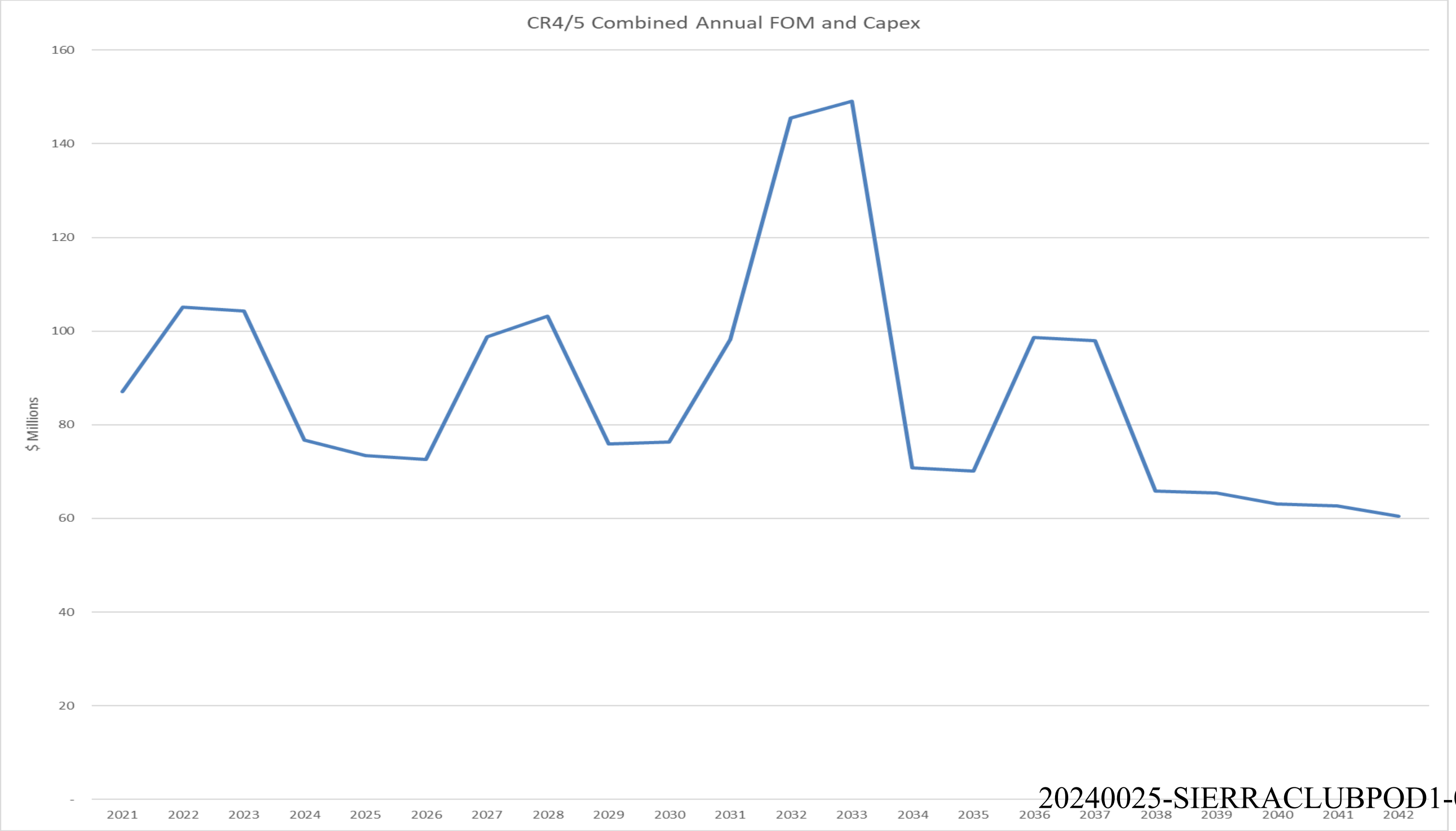
Capital and OM Price Source:	**DEF Reference**
Fuel Price:	**Reference**
DSM (Demand Response):	**High**

Retirement Year	Primary Replacement for CRN	Incremental Solar	Incremental Solar MW/Yr
2042	ZELFR	None	N/A
2034	Solar/Storage	1500	300
2034	Solar/Storage	3000	600
2029	Solar/Storage	1500	300
2029	Solar/Storage	3000	600
CR4 2026/CR5 2029	Solar/Storage	1500	300
CR4 2026/CR5 2029	Solar/Storage	3000	600

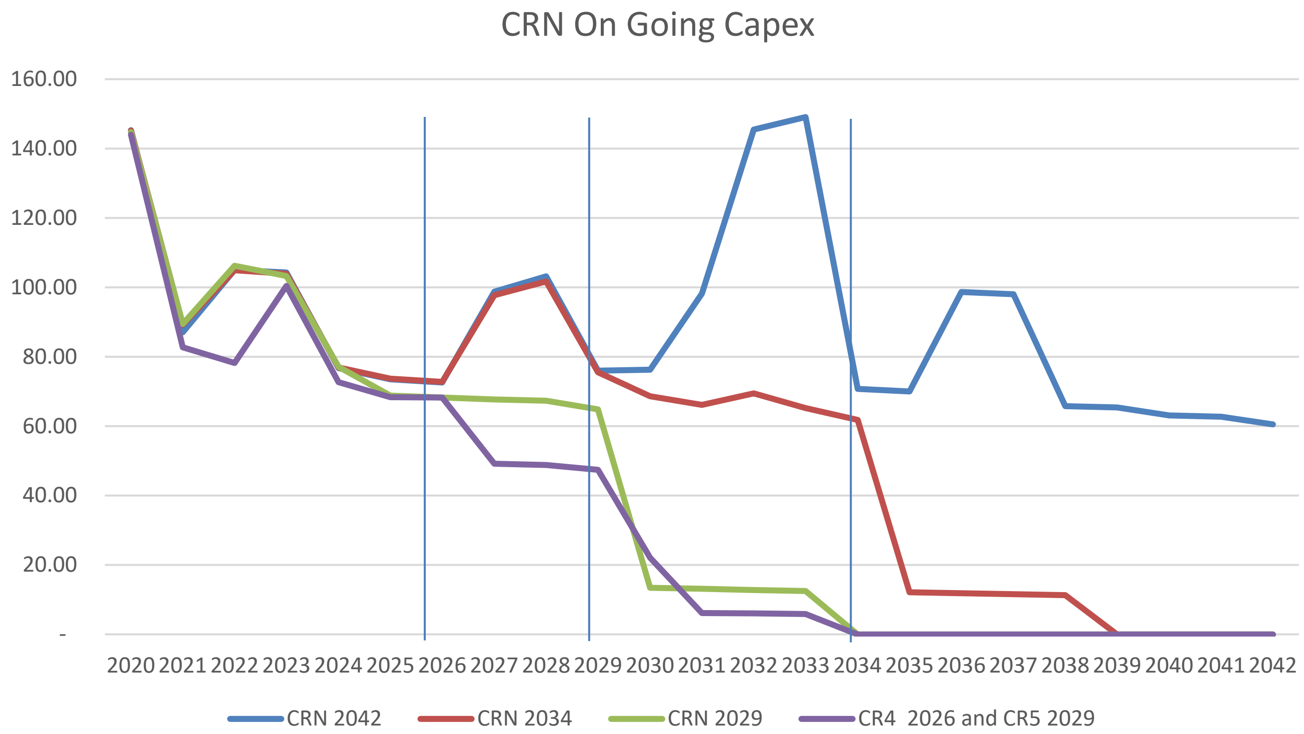
Capacity	Summer MWs	Firm MWs
CRN	1,422.0	1,422.0
CT	214.3	214.3
CC	1,191.0	1,191.0
Nuclear	684.0	684.0
Solar	74.9	6.0
Storage	50.0	50.0

Replacement Options	CC	CT	Nuclear	Solar	Storage	Total	CRN	Difference
Conventional Generation	1,191.0	214.3				1,405.3	1,422.0	(17)
Solar + Storage				119.84	1,300.0	1,419.8	1,422.0	(2)
Nuclear + CTs		214.3	1,368.0			1,582.3	1,422.0	160

Crystal River 4 and 5 – Projected Major Maintenance Schedule



Crystal River 4 and 5 – Projected Ongoing FOM For Modeling



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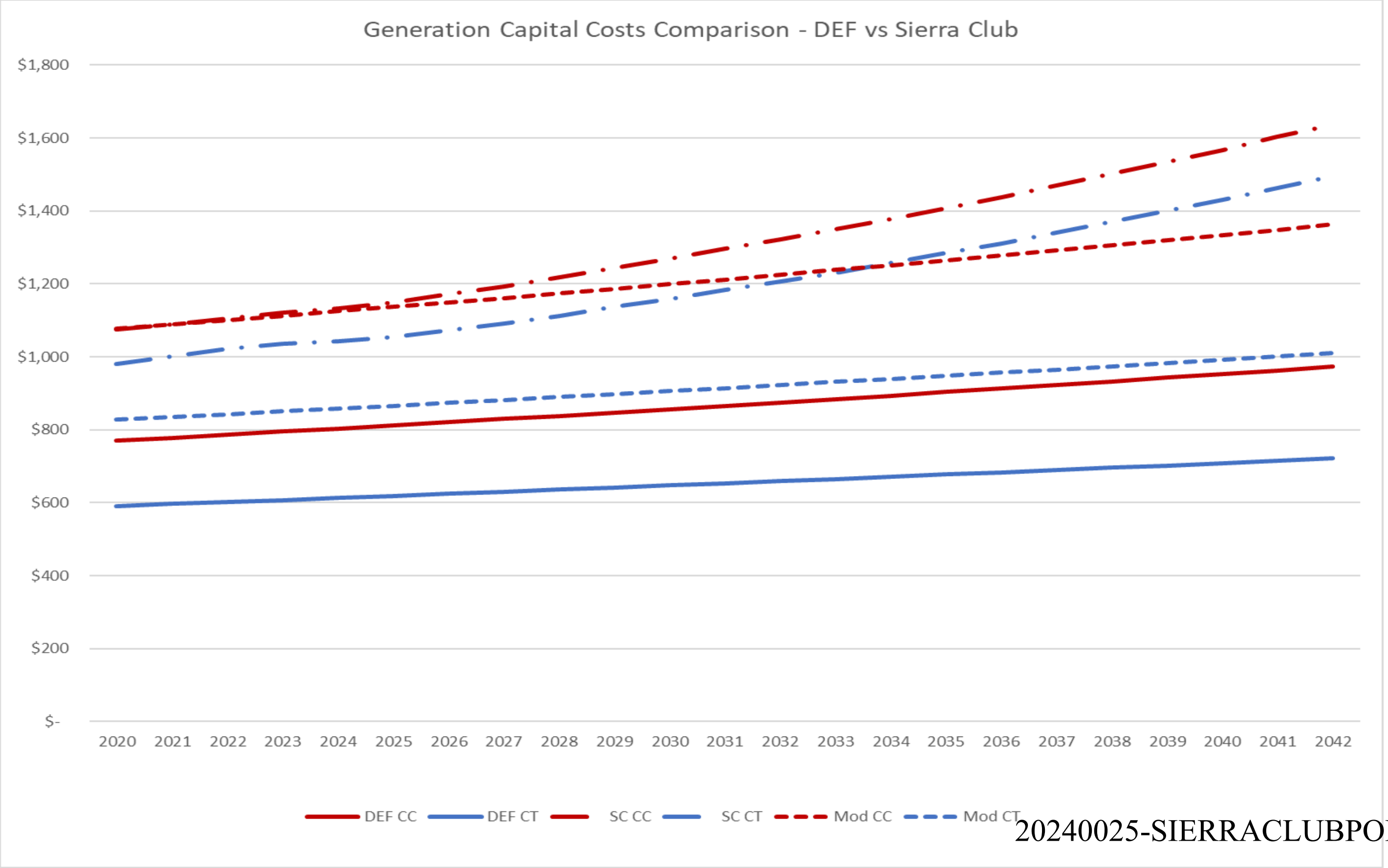
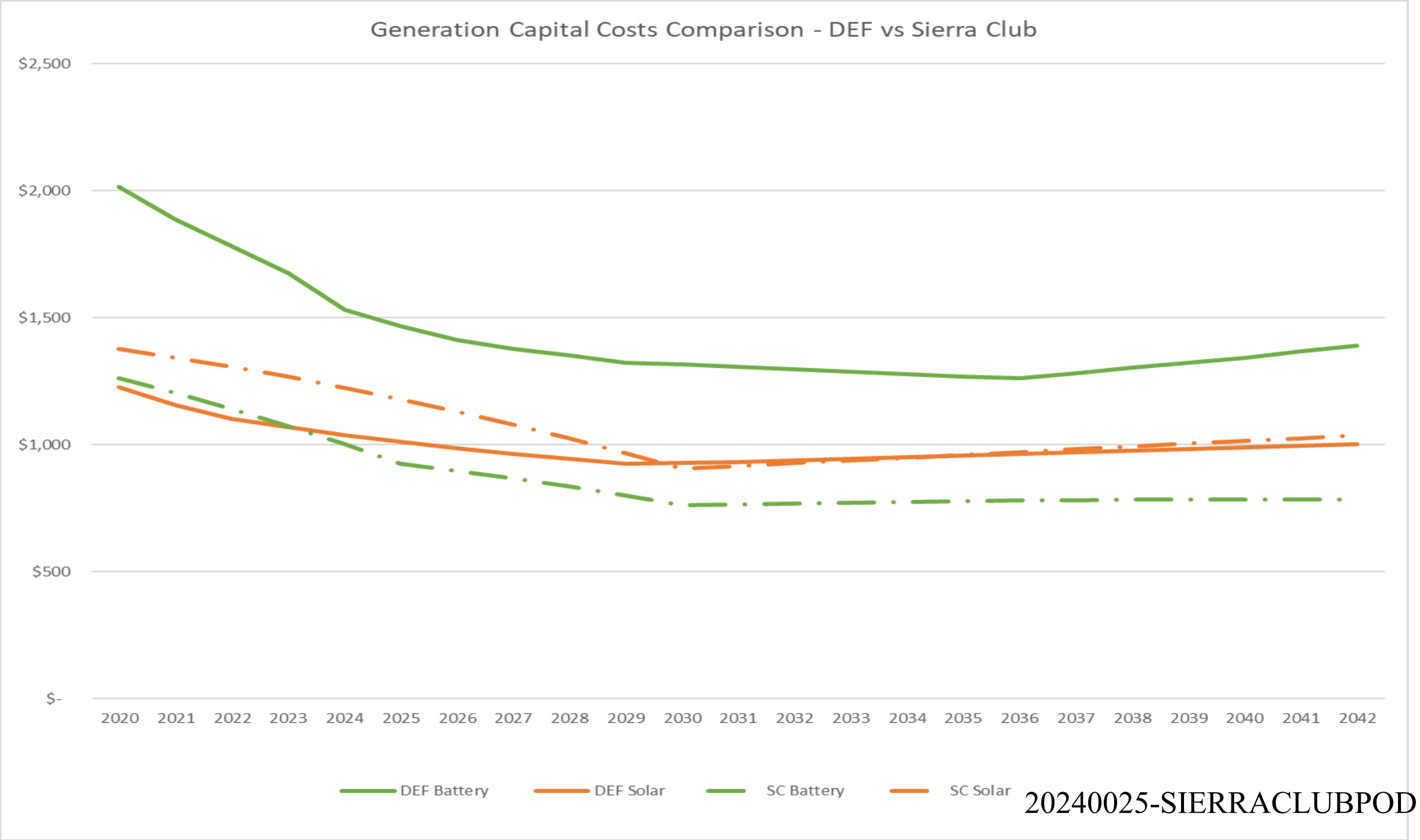
Key Assumptions - DEF vs Sierra Club-NREL Overnight Costs

Nominal Dollars	DEF $/kw		Proposed by Sierra Club $/kw		Sierra vs DEF $/kw		Modeled $/kw		Modeled vs Sierra $/KW	
Overnight Costs	2029	2034	2029	2034	2029	2034	2029	2034	2029	2034
NG CC	$ 711	$ 750	$ 1,213	$ 1,344	71%	79%	$ 996	$ 1,051	-18%	-22%
CT	$ 641	$ 671	$ 1,109	$ 1,226	73%	83%	$ 898	$ 939	-19%	-23%
Battery	$ 1,351	$ 1,280	$ 800	$ 776	-41%	-39%	$ 800	$ 776	0%	0%
Solar PV	$ 925	$ 956	$ 967	$ 950	4%	-1%	$ 925	$ 956	-4%	1%

Key Assumptions - DEF vs Sierra Club-NREL Overnight Costs $/KW



Key Assumptions - DEF vs Sierra Club-NREL Overnight Costs $/KW



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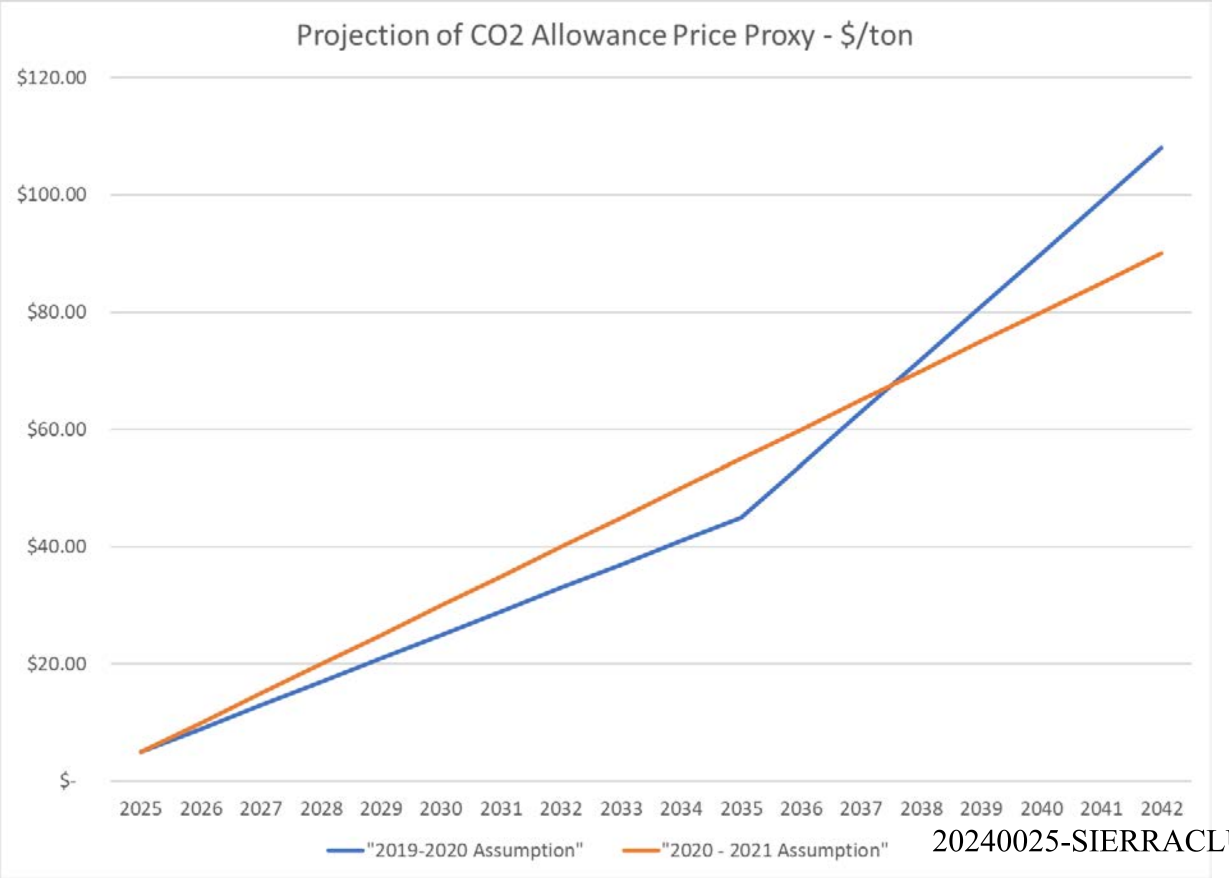
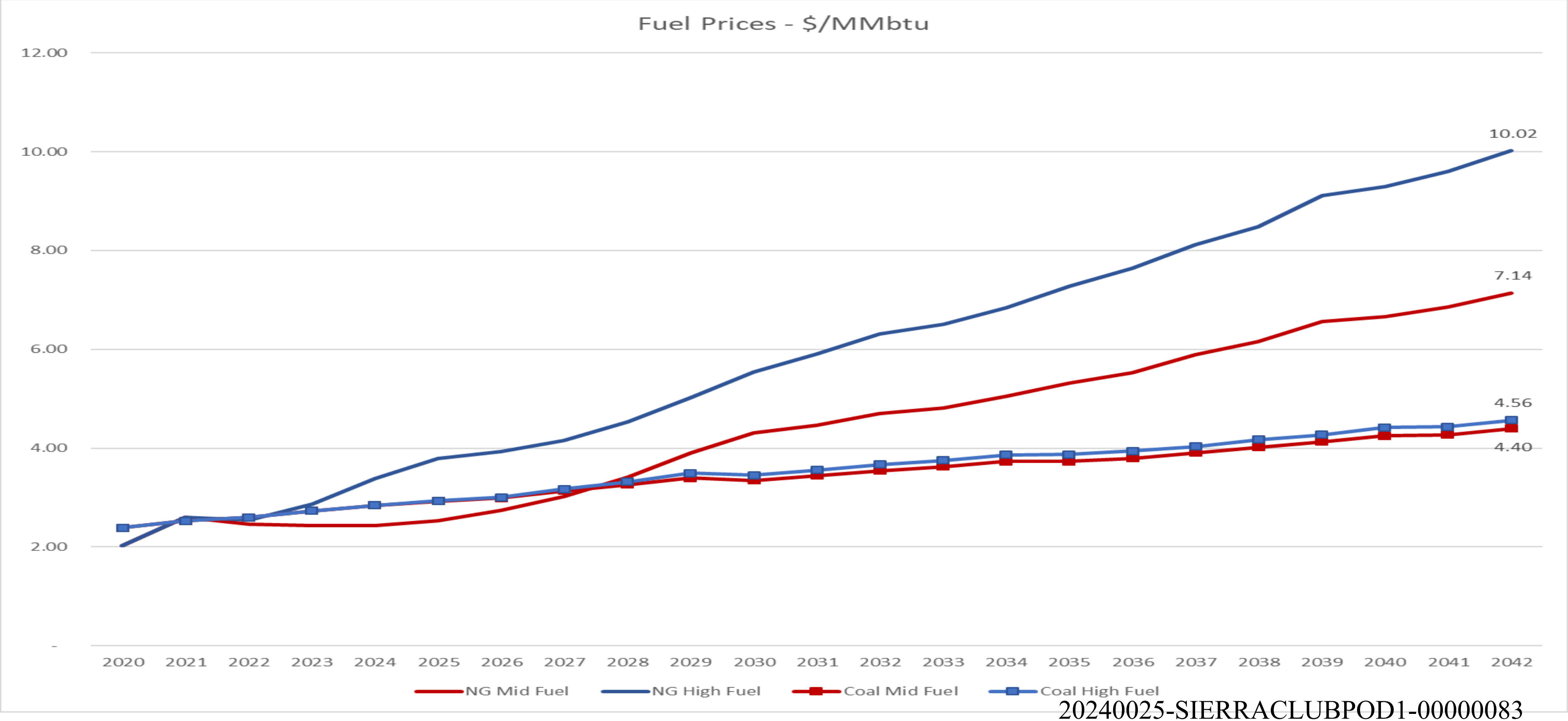
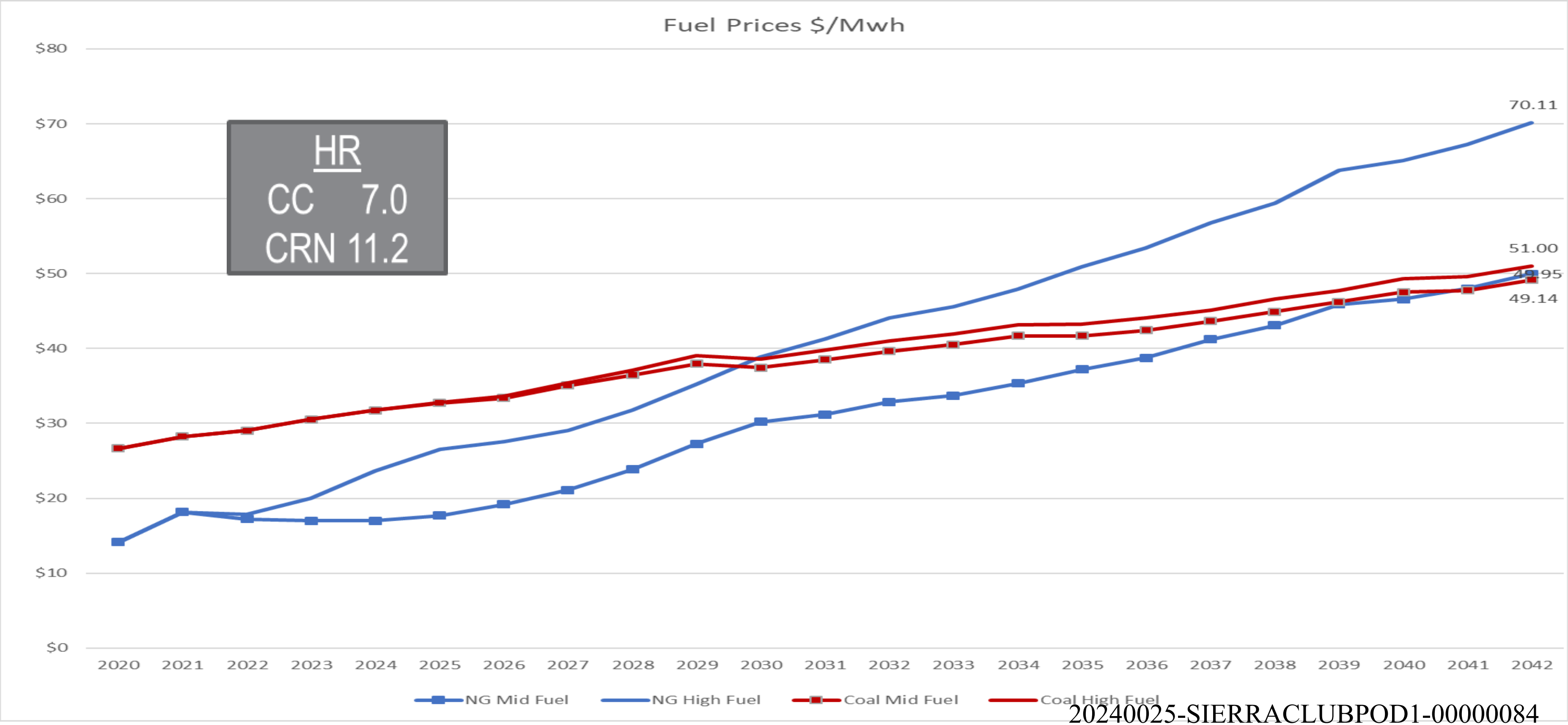
Assumptions - Price of Carbon



Assumptions – Fuel Forecast - Spring 2020



Assumptions – Fuel Forecast - Spring 2020



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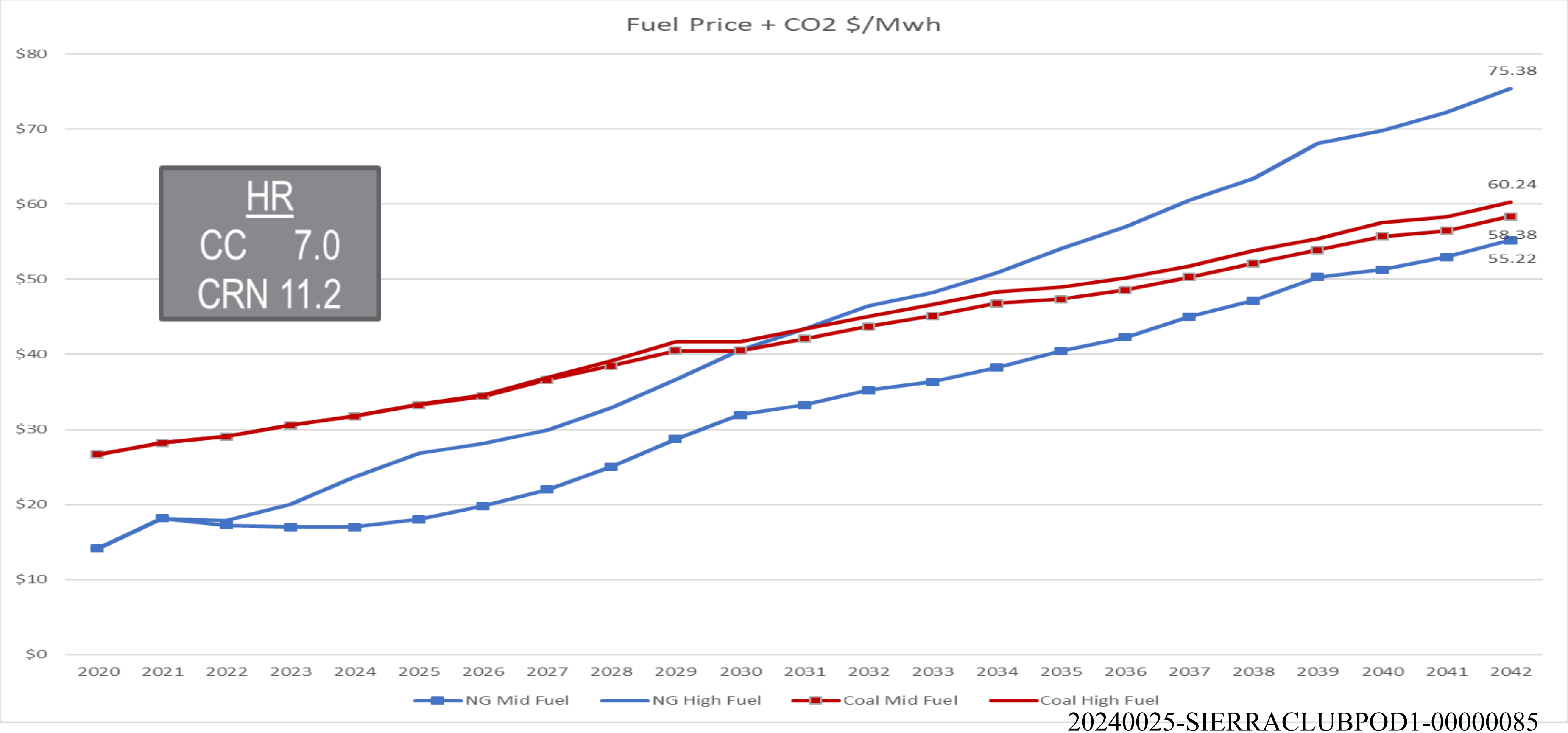
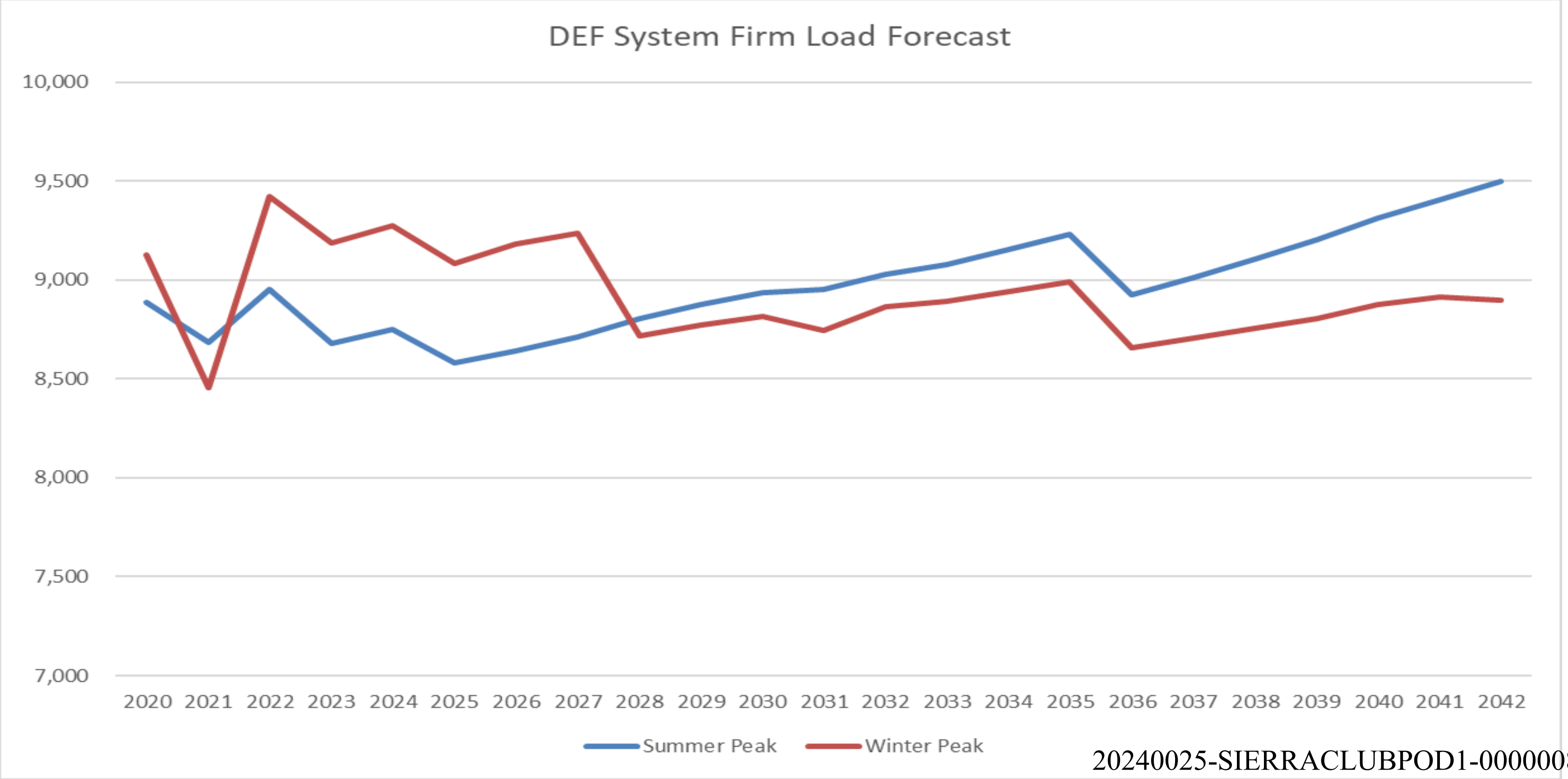
Assumptions – Fuel Forecast - Spring 2020



Assumptions – Load Forecast – Spring 2020



Assumptions – Base Demand Response and High Demand Response (MWs)

Forecast Increased by 25%	Increased by 10%	Not modified
Residential Pool Pump	Interruptible Service /	Stand by Generation
Residential Water Heater	Curtailable Service	Voltage Reduction
Residential Heating/Ventilation/Air Conditioning		

Winter	Base DR	High DR	Increment	Increment
2021	1,173	1,372	199	17%
2022	1,182	1,381	199	17%
2023	1,193	1,393	200	17%
2024	1,202	1,403	201	17%
2025	1,207	1,408	201	17%
2026	1,212	1,413	201	17%
2027	1,218	1,419	201	17%
2028	1,223	1,424	202	16%
2029	1,228	1,430	202	16%
2030	1,233	1,435	202	16%
2031	1,202	1,401	199	17%
2032	1,207	1,406	199	16%
2033	1,212	1,411	199	16%
2034	1,217	1,417	199	16%
2035	1,222	1,422	200	16%
2036	1,228	1,428	200	16%
2037	1,233	1,433	200	16%
2038	1,238	1,438	200	16%
2039	1,243	1,444	201	16%
2040	1,249	1,450	201	16%
2041	1,254	1,455	201	16%

Summer	Base DR	High DR	Increment	Increment
2021	842	976	134	16%
2022	850	985	135	16%
2023	860	996	136	16%
2024	868	1,005	137	16%
2025	872	1,009	137	16%
2026	877	1,014	137	16%
2027	881	1,018	137	16%
2028	885	1,023	138	16%
2029	889	1,027	138	16%
2030	893	1,031	138	15%
2031	856	990	134	16%
2032	860	995	134	16%
2033	865	999	135	16%
2034	869	1,004	135	16%
2035	873	1,008	135	15%
2036	877	1,013	135	15%
2037	881	1,017	136	15%
2038	886	1,021	136	15%
2039	890	1,026	136	15%
2040	894	1,030	136	15%
2041	898	1,035	137	15%

CRN Retirement in 2042 with Different Set of Assumptions

Capital and OM Price Source:	DEF Reference	DEF Reference	Sierra Club	Sierra Club	DEF Reference
Fuel Price:	Reference	High	Reference	High	Reference
DSM (Demand Response):	Base	Base	Base	Base	High
CPVRR Through Year 2042 2020$M	**CRN Ret 2042**				
Production Variable Costs					
Fuel Cost	15,160	18,894	15,160	18,894	15,155
Variable Costs	1,812	1,823	1,812	1,823	1,807
Environmental Costs without Carbon	72	97	72	97	73
Total Variable Savings before CO2 Costs	**17,044**	**20,813**	**17,044**	**20,813**	**17,035**
Fixed Costs					
Additional Solar and Batteries (Capital / FOM)	-	-	-	-	-
Conventional Generation (Capital / FOM / Gas Reserv.)	5,507	5,507	5,605	5,605	5,429
Fixed Costs associated with CRN	1,162	1,162	1,162	1,162	1,162
Fixed Costs Savings	**6,669**	**6,669**	**6,767**	**6,767**	**6,590**
Total CPVRR Savings Without CO2 Costs	**23,713**	**27,482**	**23,811**	**27,580**	**23,625**
CO2 Cost	6,235	6,398	6,235	6,398	6,246
Total CPVRR Savings With CO2 Costs	**29,948**	**33,880**	**30,046**	**33,978**	**29,871**

Preliminary Results – Resource Plans – CRN Replaced with Conventional Generation

CRN Ret 2042 - Base		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029		
2029		
2030		
2031		
2032		
2033		
2034	New CT	643
2034		
2034		
2034		
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	2,052
		4,195
10	CT	2,143
-	CC	
3	Nuclear	2,052
		4,195

CRN 2034		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029		
2029		
2030		
2031		
2032		
2033		
2034	New CT	643
2034	New CT	214
2034	New 2x1 CC J	1063
2034	New 2x1 CC J Duct	128
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	684
		4,232
11	CT	2,357
1	CC	1,191
1	Nuclear	684
		4,232
		37

CRN 2029		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029	New 2x1 CC J Duct	128
2029	New 2x1 CC J	1,063
2030		
2031	New CT	214
2032		
2033	New CT	214
2034	New CT	429
2034		
2034		
2034		
2035	New CT	214
2036		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	684
		4,232
11	CT	2,357
1	CC	1,191
1	Nuclear	684
		4,232
		37

Early Retirement Savings – CRN Replaced with Conventional Generation

CPVRR Through Year 2042 2020$M	DEF Assumptions		DEF Assumptions High Fuel		Sierra Club Assumptions		Sierra Club Assumptions High Fuel	
Production Variable Costs	CRN Ret 2034 Savings	CRN Ret 2029 Savings	CRN Ret 2034 Savings	CRN Ret 2029 Savings	CRN Ret 2034 Savings	CRN Ret 2029 Savings	CRN Ret 2034 Savings	CRN Ret 2029 Savings
Fuel Cost	(97)	(209)	142	127	(97)	(209)	142	127
Variable Costs	1	(2)	14	15	1	(2)	14	15
Environmental Costs without Carbon	(13)	(26)	(19)	(34)	(13)	(26)	(19)	(34)
Total Variable Savings before CO2 Costs	**(109)**	**(236)**	**137**	**108**	**(109)**	**(236)**	**137**	**108**
Fixed Costs								
Additional Solar and Batteries (Capital / FOM)	-	-	-	-	-	-	-	-
Conventional Generation (Capital / FOM / Gas Reserv.)	689	1,269	689	1,269	835	1,511	835	1,511
Fixed Costs associated with CRN	(259)	(455)	(259)	(455)	(259)	(455)	(259)	(455)
Fixed Costs Savings	**430**	**814**	**430**	**814**	**576**	**1,055**	**576**	**1,055**
Total CPVRR Savings Without CO2 Costs	**321**	**578**	**567**	**921**	**467**	**819**	**713**	**1,163**
CO2 Cost	(360)	(593)	(458)	(727)	(360)	(593)	(458)	(727)
Total CPVRR Savings With CO2 Costs	**(39)**	**(15)**	**109**	**194**	**106**	**226**	**254**	**436**

Preliminary Results – Resource Plans – CRN 2034 Replaced with Batteries and Solar

CRN and Anclote Ret 2042 - Base			CRN 2034 replaced with Solar 1500 and Batteries			CRN 2034 replaced with Solar 3000 and Batteries		
Year	Unit	Capacity	Year	Unit	Capacity	Year	Unit	Capacity
2027	Vandolah Extension	640	2027	Vandolah Extension	640	2027	Vandolah Extension	640
2028			2028			2028		
2029			2029			2029		
2030			2030	Solar 4 * 74.9	24	2030	Solar 8 * 74.9	48
2031			2031	Solar 4 * 74.9	24	2031	Solar 8 * 74.9	48
2032			2032	Solar 4 * 74.9	24	2032	Solar 8 * 74.9	48
2033			2033	Solar 4 * 74.9	24	2033	Solar 8 * 74.9	48
2034			2034	Solar 4 * 74.9	24	2034	Solar 8 * 74.9	48
2034	New CT	643	2034	New CT	643	2034	New CT	643
2034			2034	Batteries	1,300	2034	Batteries	1,300
2035	New CT	214	2035	New CT	214	2035		
2036			2036			2036		
2037			2037			2037	New CT	214
2038	New CT	429	2038	New CT	429	2038	New CT	429
2039	New CT	214	2039	New CT	214	2039		
2040	New CT	214	2040	New CT	214	2040	New CT	214
2041			2041			2041	New CT	214
2042	New CT	429	2042	New CT	429	2042	New CT	429
2042	New Nuclear SMR	2,052	2042	New Nuclear SMR	684	2042	New Nuclear SMR	684
		4,195			4,247			4,367
10	CT	2,143	10	CT	2,143	10	CT	2,143
-	CC		-	CC	-	-	CC	-
3	Nuclear	2,052	1	Nuclear	684	1	Nuclear	684
-	Add Solar	-	20	Add Solar	120	40	Add Solar	240
	Add Batteries	-	26	Add Batteries	1,300	26	Add Batteries	1,300
		4,195			4,247			4,367
					52			172

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Early Retirement Savings – CRN 2034 Replaced with Batteries and Solar

CPVRR Through Year 2042 2020$M	DEF Assumptions			DEF Assumptions High Fuel			Sierra Club Assumptions			Sierra Club Assumptions High Fuel		
Production Variable Costs	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW
Fuel Cost	(581)	(1,136)	(555)	(508)	(1,252)	(744)	(581)	(1,136)	(555)	(508)	(1,252)	(744)
Variable Costs	(1)	(41)	(40)	11	(24)	(35)	(1)	(41)	(40)	11	(24)	(35)
Environmental Costs without Carbon	(14)	(14)	(1)	(20)	(21)	(1)	(14)	(14)	(1)	(20)	(21)	(1)
Total Variable Savings before CO2 Costs	**(596)**	**(1,191)**	**(595)**	**(517)**	**(1,297)**	**(779)**	**(596)**	**(1,191)**	**(595)**	**(517)**	**(1,297)**	**(779)**
Fixed Costs												
Additional Solar and Batteries (Capital / FOM)	1,667	2,453	786	1,667	2,453	786	1,410	2,196	786	1,410	2,196	786
Conventional Generation (Capital / FOM / Gas Reserv.)	(226)	(279)	(53)	(226)	(279)	(53)	(226)	(288)	(61)	(226)	(288)	(61)
Fixed Costs associated with CRN	(259)	(259)	-	(259)	(259)	-	(259)	(259)	-	(259)	(259)	-
Fixed Costs Savings	**1,182**	**1,915**	**734**	**1,182**	**1,915**	**734**	**925**	**1,650**	**725**	**925**	**1,650**	**725**
Total CPVRR Savings Without CO2 Costs	**585**	**724**	**138**	**664**	**618**	**(46)**	**329**	**458**	**130**	**407**	**353**	**(54)**
CO2 Cost	(662)	(981)	(319)	(765)	(1,085)	(320)	(662)	(981)	(319)	(765)	(1,085)	(320)
Total CPVRR Savings With CO2 Costs	**(77)**	**(257)**	**(180)**	**(101)**	**(466)**	**(365)**	**(333)**	**(522)**	**(189)**	**(358)**	**(732)**	**(374)**

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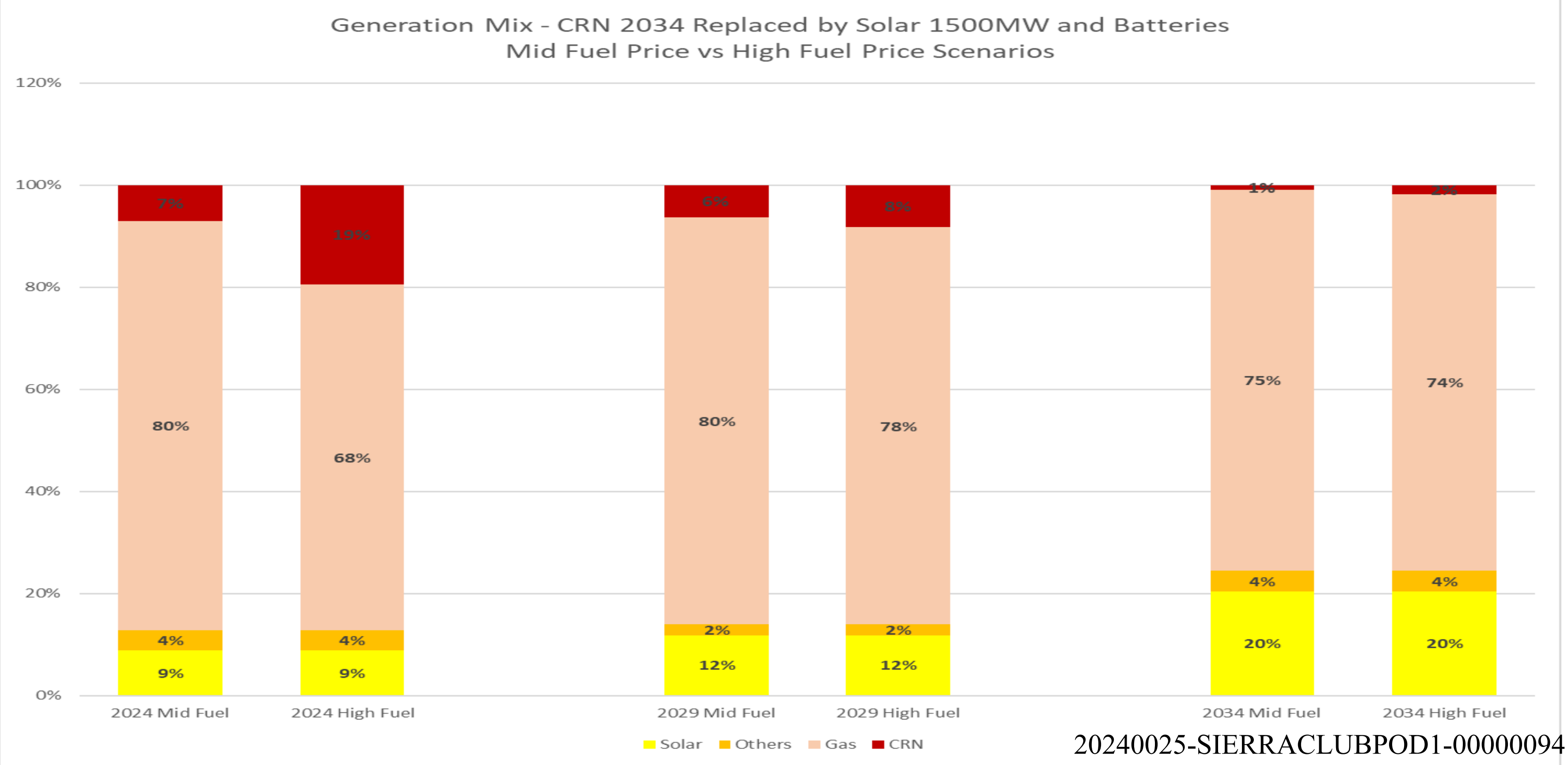
Early Retirement Savings – CRN 2034 Replaced with Batteries and Solar – Fuel Sensitivity



20240025-SIERRACLUBPOD1-00000094

Preliminary Results – Resource Plans – CRN 2042 - Base vs. High Demand Response

CRN and Anclote Ret 2042 - Base		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029		
2030		
2031		
2032		
2033		
2034		
2034	New CT	643
2034		
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	2,052
		4,195
10	CT	2,143
-	CC	
3	Nuclear	2,052
-	Add Solar	-
	Add Batteries	-
		4,195

CRN and Anclote Ret 2042 - Base - High DSM		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029		
2030		
2031		
2032		
2033		
2034		
2034	New CT	643
2034		
2035		
2036		
2037		
2038	New CT	643
2039		
2040	New CT	214
2041		
2042	New CT	643
2042	New Nuclear SMR	2,052
		4,195
10	CT	2,143
-	CC	
3	Nuclear	2,052
-	Add Solar	-
	Add Batteries	-
		4,195

Preliminary Results – Resource Plans – CRN 2034 Solar and Batteries - Base vs High Demand Response

CRN 2034 replaced with Solar 1500 and Batteries		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029		
2030	Solar 4 * 74.9	24
2031	Solar 4 * 74.9	24
2032	Solar 4 * 74.9	24
2033	Solar 4 * 74.9	24
2034	Solar 4 * 74.9	24
2034	New CT	643
2034	Batteries	1,300
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	684
		4,247
10	CT	2,143
-	CC	-
1	Nuclear	684
20	Add Solar	120
26	Add Batteries	1,300
		4,247

CRN 2034 replaced with Solar 1500 and Batteries High DSM		
Year	Unit	Capacity
2027	Vandolah Extension	640
2028		
2029		
2030	Solar 4 * 74.9	24
2031	Solar 4 * 74.9	24
2032	Solar 4 * 74.9	24
2033	Solar 4 * 74.9	24
2034	Solar 4 * 74.9	24
2034	New CT	643
2034	Batteries	1,300
2035		
2036		
2037	New CT	214
2038	New CT	429
2039		
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	684
		4,033
9	CT	1,929
-	CC	-
1	Nuclear	684
20	Add Solar	120
26	Add Batteries	1,300
		4,033
		(214)

20240025-SIERRACLUBPOD1-00000096

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Early Retirement Savings – CRN 2034 Replaced with Batteries and Solar – DSM Sensitivity

CPVRR Through Year 2042 2020$M	DEF Assumptions					
Production Variable Costs	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 1500 and Batteries - High DSM Savings	Savings from having High DSM	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries - High DSM Savings	Savings from having High DSM
Fuel Cost	(578)	(573)	6	(1,136)	(1,127)	9
Variable Costs	(1)	(0)	1	(41)	(38)	3
Environmental Costs without Carbon	(14)	(14)	(1)	(14)	(15)	(1)
Total Variable Savings before CO2 Costs	**(593)**	**(587)**	**6**	**(1,191)**	**(1,180)**	**11**
Fixed Costs						
Additional Solar and Batteries (Capital / FOM)	1,667	1,667	-	2,453	2,453	-
Conventional Generation (Capital / FOM / Gas Reserv.)	(226)	(220)	6	(279)	(265)	14
Fixed Costs associated with CRN	(259)	(259)	-	(259)	(259)	-
Fixed Costs Savings	**1,182**	**1,188**	**6**	**1,915**	**1,929**	**14**
Total CPVRR Savings Without CO2 Costs	**588**	**600**	**12**	**724**	**749**	**25**
CO2 Cost	(661)	(672)	(11)	(981)	(991)	(10)
Total CPVRR Savings With CO2 Costs	**(73)**	**(72)**	**1**	**(257)**	**(242)**	**15**

Confidential – Subject to 2017 NDA

Preliminary Results – Resource Plans – CRN 2029 Replaced with Batteries and Solar

CRN and Anclote Ret 2042 - Base		
Year	Unit	Capacity
2025		
2026		
2027		
2027	Vandolah Extension	640
2028		
2029		
2029		
2030		
2031		
2032		
2033		
2034	New CT	643
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	2,052
		4,195
10	CT	2,143
-	CC	
3	Nuclear	2,052
-	Add Solar	-
	Add Batteries	-
		4,195

CRN 2029 replaced with Solar 1500 and Batteries		
Year	Unit	Capacity
2025	Solar 4 * 74.9	24
2026	Solar 4 * 74.9	24
2027	Solar 4 * 74.9	24
2027	Vandolah Extension	640
2028	Solar 4 * 74.9	24
2029	Solar 4 * 74.9	24
2029	Batteries	1,300
2030		
2031		
2032		
2033		
2034	New CT	643
2035	New CT	214
2036		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	684
		4,175
10	CT	2,143
-	CC	-
1	Nuclear	684
2	Add Solar	120
26	Add Batteries	1,300
		4,247
		52

CRN 2029 replaced with Solar 3000 and Batteries		
Year	Unit	Capacity
2025	Solar 8 * 74.9	48
2026	Solar 8 * 74.9	48
2027	Solar 8 * 74.9	48
2027	Vandolah Extension	640
2028	Solar 8 * 74.9	48
2029	Solar 4 * 74.9	48
2029	Batteries	1,300
2030		
2031		
2032		
2033		
2034	New CT	643
2035		
2036		
2037	New CT	214
2038	New CT	429
2039		
2040	New CT	214
2041	New CT	214
2042	New CT	429
2042	New Nuclear SMR	684
		4,223
10	CT	2,143
-	CC	-
1	Nuclear	684
3	Add Solar	240
26	Add Batteries	1,300
		4,367
		172

DOCKET NO. 20240025-EI

RA-4.36

Early Retirement Savings – CRN 2029 Replaced with Batteries and Solar

CPVRR Through Year 2042 2020$M	DEF Assumptions			DEF Assumptions High Fuel			Sierra Club Assumptions			Sierra Club Assumptions High Fuel		
Production Variable Costs	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW
Fuel Cost	(906)	(1,749)	(843)	(803)	(1,920)	(1,117)	(906)	(1,749)	(843)	(803)	(1,920)	(1,117)
Variable Costs	(5)	(57)	(52)	9	(36)	(45)	(5)	(57)	(52)	9	(36)	(45)
Environmental Costs without Carbon	(27)	(28)	(1)	(36)	(37)	(1)	(27)	(28)	(1)	(36)	(37)	(1)
Total Variable Savings before CO2 Costs	**(938)**	**(1,834)**	**(896)**	**(830)**	**(1,993)**	**(1,162)**	**(938)**	**(1,834)**	**(896)**	**(830)**	**(1,993)**	**(1,162)**
Fixed Costs												
Additional Solar and Batteries (Capital / FOM)	2,829	4,083	1,254	2,829	4,083	1,254	2,340	3,594	1,254	2,340	3,594	1,254
Conventional Generation (Capital / FOM / Gas Reserv.)	(226)	(279)	(53)	(226)	(279)	(53)	(226)	(288)	(61)	(226)	(288)	(61)
Fixed Costs associated with CRN	(455)	(455)	-	(455)	(455)	-	(455)	(455)	-	(455)	(455)	-
Fixed Costs Savings	**2,147**	**3,348**	**1,201**	**2,147**	**3,348**	**1,201**	**1,659**	**2,851**	**1,192**	**1,659**	**2,851**	**1,192**
Total CPVRR Savings Without CO2 Costs	**1,209**	**1,514**	**305**	**1,317**	**1,355**	**39**	**721**	**1,017**	**296**	**828**	**858**	**30**
CO2 Cost	(958)	(1,371)	(413)	(1,096)	(1,510)	(414)	(958)	(1,371)	(413)	(1,096)	(1,510)	(414)
Total CPVRR Savings With CO2 Costs	**251**	**144**	**(108)**	**221**	**(154)**	**(375)**	**(237)**	**(354)**	**(116)**	**(268)**	**(651)**	**(384)**

20240025-SIERRACLUBPOD1-00000099

Preliminary Results – Resource Plans – CR4 2026 CR5 2029 Replaced with Batteries and Solar

CRN and Anclote Ret 2042 - Base		
Year	Unit	Capacity
2025		
2026		
2027		
2027	Vandolah Extension	640
2028		
2029		
2029		
2030		
2031		
2032		
2033		
2034	New CT	643
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	2,052
		4,835

CR4 2026 CR5 2029 replaced with Solar 1500 and Batteries		
Year	Unit	Capacity
2025	Solar 4 * 74.9	24
2026	Solar 4 * 74.9	24
2027	Solar 4 * 74.9	24
2027	Vandolah Extension	640
2028	Solar 4 * 74.9	24
2029	Solar 4 * 74.9	24
2029	Batteries	1,300
2030		
2031		
2032		
2033		
2034	New CT	643
2035	New CT	214
2036		
2037		
2038	New CT	429
2039	New CT	214
2040	New CT	214
2041		
2042	New CT	429
2042	New Nuclear SMR	684
		4,887
10	CT	2,143
-	CC	-
1	Nuclear	684
2	Add Solar	120
26	Add Batteries	1,300
		4,247
		52

CR4 2026 CR5 2029 replaced with Solar 3000 and Batteries		
Year	Unit	Capacity
2025	Solar 8 * 74.9	48
2026	Solar 8 * 74.9	48
2027	Solar 8 * 74.9	48
2027	Vandolah Extension	640
2028	Solar 8 * 74.9	48
2029	Solar 4 * 74.9	48
2029	Batteries	1,300
2030		
2031		
2032		
2033		
2034	New CT	643
2035		
2036		
2037	New CT	214
2038	New CT	429
2039		
2040	New CT	214
2041	New CT	214
2042	New CT	429
2042	New Nuclear SMR	684
		5,007
10	CT	2,143
-	CC	-
1	Nuclear	684
3	Add Solar	240
26	Add Batteries	1,300
		4,367
		172

Early Retirement Savings – CR4 2026 CR5 2029 Replaced with Batteries and Solar

CPVRR Through Year 2042 2020$M	DEF Assumptions			DEF Assumptions High Fuel			Sierra Club Assumptions			Sierra Club Assumptions High Fuel		
Production Variable Costs	CR4/CR5 Ret 2026/2029 Replaced with Solar 1500 and Batteries Savings	CR4/CR5 Ret 2026/2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CR4/CR5 Ret 2026/2029 Replaced with Solar 1500 and Batteries Savings	CR4/CR5 Ret 2026/2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CR4/CR5 Ret 2026/2029 Replaced with Solar 1500 and Batteries Savings	CR4/CR5 Ret 2026/2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW	CR4/CR5 Ret 2026/2029 Replaced with Solar 1500 and Batteries Savings	CR4/CR5 Ret 2026/2029 Replaced with Solar 3000 and Batteries Savings	Benefit of Adding Solar 1500MW
Fuel Cost	(888)	(1,739)	(852)	(761)	(1,889)	(1,128)	(888)	(1,739)	(852)	(761)	(1,889)	(1,128)
Variable Costs	(2)	(53)	(51)	17	(27)	(44)	(2)	(53)	(51)	17	(27)	(44)
Environmental Costs without Carbon	(30)	(31)	(1)	(41)	(42)	(1)	(30)	(31)	(1)	(41)	(42)	(1)
Total Variable Savings before CO2 Costs	**(920)**	**(1,823)**	**(903)**	**(785)**	**(1,958)**	**(1,173)**	**(920)**	**(1,823)**	**(903)**	**(785)**	**(1,958)**	**(1,173)**
Fixed Costs												
Additional Solar and Batteries (Capital / FOM)	2,829	4,083	1,254	2,829	4,083	1,254	2,340	3,594	1,254	2,340	3,594	1,254
Conventional Generation (Capital / FOM / Gas Reserv.)	(226)	(279)	(53)	(226)	(279)	(53)	(226)	(288)	(61)	(226)	(288)	(61)
Fixed Costs associated with CRN	(546)	(546)	-	(546)	(546)	-	(546)	(546)	-	(546)	(546)	-
Fixed Costs Savings	**2,056**	**3,257**	**1,201**	**2,056**	**3,257**	**1,201**	**1,568**	**2,760**	**1,192**	**1,568**	**2,760**	**1,192**
Total CPVRR Savings Without CO2 Costs	**1,136**	**1,434**	**298**	**1,271**	**1,299**	**28**	**648**	**937**	**289**	**783**	**802**	**19**
CO2 Cost	(979)	(1,391)	(412)	(1,127)	(1,541)	(414)	(979)	(1,391)	(412)	(1,127)	(1,541)	(414)
Total CPVRR Savings With CO2 Costs	**157**	**42**	**(115)**	**144**	**(242)**	**(386)**	**(331)**	**(455)**	**(123)**	**(344)**	**(739)**	**(395)**

Preliminary Results – CRN 2029 vs CR4/CR5 2026/2029 Replaced with Batteries and Solar 1500MW

Production Variable Costs	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CR4/CR5 Ret 2026/2029 Replaced with Solar 1500 and Batteries Savings	Benefit of Accelerating CR4 Retirement to 2026
Fuel Cost	(906)	(888)	18
Variable Costs	(5)	(2)	3
Environmental Costs without Carbon	(27)	(30)	(3)
Total Variable Savings before CO2 Costs	**(938)**	**(920)**	**18**
Fixed Costs			
Additional Solar and Batteries (Capital / FOM)	2,829	2,829	-
Conventional Generation (Capital / FOM / Gas Reserv.)	(226)	(226)	-
Fixed Costs associated with CRN	(455)	(546)	(91)
Fixed Costs Savings	**2,147**	**2,056**	**(91)**
Total CPVRR Savings Without CO2 Costs	**1,209**	**1,136**	**(73)**
CO2 Cost	(958)	(979)	(21)
Total CPVRR Savings With CO2 Costs	**251**	**157**	**(94)**

Coal being cheaper than Gas before 2029 reduces the fuel benefits of the earlier CR4 retirement.
New CTs, Solar, and Battery additions are the same in both cases. The only difference is the acceleration of the CR4 retirement from 2029 to 2026.
The Vandolah Contract extension benefits the CR4 2026-CR5 2029 case. Having Vandolah avoids the addition of new units to replace CR4 between 2026 and 2028. Only a small seasonal purchase was included in year 2028 to avoid the addition of a CT.

Early Retirement Savings – CRN 2034 vs CRN 2029 Replaced with Batteries/Solar 1500 MW

CPVRR Through Year 2042 2020$M	DEF Assumptions		DEF Assumptions High Fuel		Sierra Club Assumptions		Sierra Club Assumptions High	
Production Variable Costs	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2034 Replaced with Solar 1500 and Batteries Savings	CRN Ret 2029 Replaced with Solar 1500 and Batteries Savings
Fuel Cost	(581)	(906)	(508)	(803)	(581)	(906)	(508)	(803)
Variable Costs	(1)	(5)	11	9	(1)	(5)	11	9
Environmental Costs without Carbon	(14)	(27)	(20)	(36)	(14)	(27)	(20)	(36)
Total Variable Savings before CO2 Costs	**(596)**	**(938)**	**(517)**	**(830)**	**(596)**	**(938)**	**(517)**	**(830)**
Fixed Costs								
Additional Solar and Batteries (Capital / FOM)	1,667	2,829	1,667	2,829	1,410	2,340	1,410	2,340
Conventional Generation (Capital / FOM / Gas Reserv.)	(226)	(226)	(226)	(226)	(226)	(226)	(226)	(226)
Fixed Costs associated with CRN	(259)	(455)	(259)	(455)	(259)	(455)	(259)	(455)
Fixed Costs Savings	**1,182**	**2,147**	**1,182**	**2,147**	**925**	**1,659**	**925**	**1,659**
Total CPVRR Savings Without CO2 Costs	**585**	**1,209**	**664**	**1,317**	**329**	**721**	**407**	**828**
CO2 Cost	(662)	(958)	(765)	(1,096)	(662)	(958)	(765)	(1,096)
Total CPVRR Savings With CO2 Costs	**(77)**	**251**	**(101)**	**221**	**(333)**	**(237)**	**(358)**	**(268)**

Early Retirement Savings – CRN 2034 vs CRN 2029 Replaced with Batteries/Solar 3000 MW

CPVRR Through Year 2042 2020$M	DEF Assumptions		DEF Assumptions High Fuel		Sierra Club Assumptions		Sierra Club Assumptions High	
Production Variable Costs	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2034 Replaced with Solar 3000 and Batteries Savings	CRN Ret 2029 Replaced with Solar 3000 and Batteries Savings
Fuel Cost	(1,136)	(1,749)	(1,252)	(1,920)	(1,136)	(1,749)	(1,252)	(1,920)
Variable Costs	(41)	(57)	(24)	(36)	(41)	(57)	(24)	(36)
Environmental Costs without Carbon	(14)	(28)	(21)	(37)	(14)	(28)	(21)	(37)
Total Variable Savings before CO2 Costs	**(1,191)**	**(1,834)**	**(1,297)**	**(1,993)**	**(1,191)**	**(1,834)**	**(1,297)**	**(1,993)**
Fixed Costs								
Additional Solar and Batteries (Capital / FOM)	2,453	4,083	2,453	4,083	2,196	3,594	2,196	3,594
Conventional Generation (Capital / FOM / Gas Reserv.)	(279)	(279)	(279)	(279)	(288)	(288)	(288)	(288)
Fixed Costs associated with CRN	(259)	(455)	(259)	(455)	(259)	(455)	(259)	(455)
Fixed Costs Savings	**1,915**	**3,348**	**1,915**	**3,348**	**1,650**	**2,851**	**1,650**	**2,851**
Total CPVRR Savings Without CO2 Costs	**724**	**1,514**	**618**	**1,355**	**458**	**1,017**	**353**	**858**
CO2 Cost	(981)	(1,371)	(1,085)	(1,510)	(981)	(1,371)	(1,085)	(1,510)
Total CPVRR Savings With CO2 Costs	**(257)**	**144**	**(466)**	**(154)**	**(522)**	**(354)**	**(732)**	**(651)**

Exhibit RA-5:

Duke Energy Florida's Response to Off. of Pub. Counsel ("OPC") POD 1-7 attach. "B-13 CWIP – REDACTED.xlsx" tab "UI – Additions"

							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	AFUDC Debt	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF		47	48	48	48	48	50
DE Florida	AFUDC Debt	Grid Solutions	PEF Grid Solutions Maintenance Grid Mod VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	0						
DE Florida	AFUDC Debt	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified						359	69
DE Florida	AFUDC Debt	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified				58	860	308	
DE Florida	AFUDC Debt	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	617	885	863				
DE Florida	AFUDC Debt	Other Departments (Jamil)	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		248	865				
DE Florida	AFUDC Debt	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		116	405				
DE Florida	AFUDC Debt	Other Departments (Savoy)	PEF Other Savoy Exp ISOP OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		0					
DE Florida	AFUDC Debt	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		2	10	17	18	19	21
DE Florida	AFUDC Debt	Renewable Generation	PEF Solar Growth 2021 BY - Charlie Creek 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar	872						
DE Florida	AFUDC Debt	Renewable Generation	PEF Solar Growth 2021 BY - Sandy Creek 344	PEF Solar Growth Sandy Creek	Elec - Production Solar	Sandy Creek Solar	609						
DE Florida	AFUDC Debt	Renewable Generation	PEF Solar Growth 2022 BY - Bay Trail 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	912						
DE Florida	AFUDC Debt	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	551						
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1	173	173	173	173	174	180
DE Florida	AFUDC Debt	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	211	283	986	1,802			
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	107						
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	961	584	6	7	7	8	8
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	321	1,113	1,289				
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		149	308				
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	68	30	32	34	36	38	41
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	1,412	2,524	244				
DE Florida	AFUDC Debt	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		122	23				
DE Florida	AFUDC Equity	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF		124	125	125	125	125	131
DE Florida	AFUDC Equity	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified						946	184
DE Florida	AFUDC Equity	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified				151	2,263	797	
DE Florida	AFUDC Equity	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,525	2,319	2,259				
DE Florida	AFUDC Equity	Other Departments (Jamil)	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		652	2,266				
DE Florida	AFUDC Equity	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		305	1,061				
DE Florida	AFUDC Equity	Other Departments (Savoy)	PEF Other Savoy Exp ISOP OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		0					
DE Florida	AFUDC Equity	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		6	26	45	48	51	55
DE Florida	AFUDC Equity	Renewable Generation	PEF Solar Growth 2021 BY - Charlie Creek 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar	2,145						
DE Florida	AFUDC Equity	Renewable Generation	PEF Solar Growth 2021 BY - Sandy Creek 344	PEF Solar Growth Sandy Creek	Elec - Production Solar	Sandy Creek Solar	1,501						
DE Florida	AFUDC Equity	Renewable Generation	PEF Solar Growth 2022 BY - Bay Trail 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	2,244						
DE Florida	AFUDC Equity	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,357						
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2	452	453	453	454	455	478
DE Florida	AFUDC Equity	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	521	742	2,590	4,717			
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	263						
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2,378	1,517	17	18	19	20	22
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	794	2,921	3,366				
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		392	805				
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	167	78	83	88	94	100	108
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	3,491	6,615	630				
DE Florida	AFUDC Equity	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		322	59				
DE Florida	Cash & Overheads	Customer Connect	PEF Customer Connect 5 year VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		1,018					
DE Florida	Cash & Overheads	Customer Connect	PEF Customer Connect Dec 2024 5 year VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF			1,513				
DE Florida	Cash & Overheads	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF	7,693						
DE Florida	Cash & Overheads	Customer Delivery	PEF Customer Fleet Electrification Clusters	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF	6,727						
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				54	56	57	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				37	38	39	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				48	49	50	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF				17	18	18	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				53	54	55	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				40	41	42	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF				25	25	26	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF				14	15	15	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		2,353	2,686	1,116	1,144	1,172	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		1,597	1,823	757	776	796	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		2,062	2,355	978	1,003	1,028	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		755	863	358	367	376	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		2,280	2,604	1,082	1,109	1,136	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		1,722	1,967	817	837	858	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		1,062	1,212	504	516	529	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist Maint_OthT&D_IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		620	708	294	301	309	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	596						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	6,831						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	32,176						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	21						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	104,305	20,467	20,712	36,135	37,038	37,964	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		13,890	14,057	24,523	25,136	25,765	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		17,939	18,154	31,672	32,463	33,275	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		6,571	6,650	11,602	11,892	12,189	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		19,836	20,074	35,022	35,898	36,795	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		14,982	15,161	26,451	27,112	27,790	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-369	PEF Distribution U/G Services 369.2	Elec - Distribution Plant	Unassigned - PEF		9,237	9,348	16,308	16,716	17,134	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		5,391	5,455	9,518	9,755	9,999	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	71,971	2,842	3,932	4,103	5,247	5,667	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	86	1,929	2,669	2,785	3,561	3,846	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		2,491	3,446	3,596	4,599	4,967	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		913	1,263	1,317	1,685	1,820	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		2,755	3,811	3,977	5,086	5,493	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		2,080	2,878	3,003	3,841	4,148	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		1,283	1,775	1,852	2,368	2,558	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance HW-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		749	1,036	1,081	1,382	1,493	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	242,543	22,604	22,870	22,833	24,459	26,428	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		15,340	15,521	15,496	16,599	17,936	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		19,812	20,046	20,013	21,438	23,164	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		7,258	7,343	7,331	7,853	8,485	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	3	21,908	22,166	22,130	23,705	25,614	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		16,546	16,741	16,714	17,904	19,346	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF	856	10,201	10,322	10,305	11,038	11,927	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		5,954	6,024	6,014	6,442	6,961	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		399	419	421	432	445	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		271	284	286	293	302	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		350	367	369	378	390	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		128	134	135	139	143	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		387	406	408	418	431	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		292	306	308	316	325	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		180	189	190	195	201	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance IK_Annual-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		105	110	111	114	117	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance LA-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	633						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Maintenance TB	PEF Distribution Gen. Plant Tool Shop/Gar. Eq. -New- 394.1	Elec - General Plant	Unassigned - PEF	7,156	4,623	4,813	4,932	5,053	5,178	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Poles Towers & Fixtures SPP - 364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	112,817						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution Smart Grid - Infrastructure	PEF Distribution Gen. Plant Commun Equip-New 397.0	Elec - General Plant	Unassigned - PEF	13						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	9,500						
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SPP_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		19,672	13,508	15,159	14,611	13,957	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SPP_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		23,463	16,111	18,081	17,427	16,647	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SPP_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	39	20,489	14,069	15,789	15,218	14,536	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_2023-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	107,851	15,203	403				
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_2023-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		18,133	481				
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_2023-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		15,835	420				
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		3,413	12,584	10,098		18	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		4,071	15,010	12,044		22	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		3,555	13,107	10,517		19	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	746	9,495	17,311	1,211		34	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		11,325	20,647	1,445		41	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF	126	9,889	18,029	1,261		36	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		3,182	14,181	26,127			
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		3,795	16,914	31,162			
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		3,314	14,770	27,212			
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	15,062	49,609					
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		59,170					
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		51,669					
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	791	59,540	54,106				
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		71,015	64,534				
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		62,012	56,353				
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		1,936	77,007	93,658			
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		2,309	91,849	111,709			
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		2,016	80,205	97,548			
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	26,601	(162)	(328)	44,255	158,772	148,723	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		(193)	(392)	52,784	189,372	177,387	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		(169)	(342)	46,093	165,366	154,900	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	14,061	612	630	562	579	596	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		730	752	670	691	711	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		637	656	585	603	621	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF				88	90	93	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF				105	108	111	
DE Florida	Cash & Overheads	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF				91	94	97	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				750			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				20			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				70			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				30			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				10			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				120			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				6,675			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				178			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				623			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				267			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				89			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				1,068			
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					12,359		
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF					330		
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF					1,154		
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF					494		
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF					165		
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF					1,977		
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				7,031	22,500	28,594	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				188	600	763	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				656	2,100	2,669	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				281	900	1,144	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				94	300	381	
DE Florida	Cash & Overheads	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				1,125	3,600	4,575	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance SA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	12,731	14,997	39,305	23,243	2,599		
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance TC-392.1	PEF Distribution General Plant Cars 392.1	Elec - General Plant	Unassigned - PEF		231	232	155	146	143	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance TC-392.2	PEF Distribution General Plant Light Trucks 392.2	Elec - General Plant	Unassigned - PEF		1,563	1,565	1,051	987	969	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance TC-392.3	PEF Distribution General Plant Heavy Trucks 392.3	Elec - General Plant	Unassigned - PEF		771	772	518	487	478	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance TC-392.4	PEF Distribution General Plant Special Equip 392.4	Elec - General Plant	Unassigned - PEF		1,609	1,611	1,082	1,016	998	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance TC-392.5	PEF Distribution General Plant Trailers 392.5	Elec - General Plant	Unassigned - PEF		1,667	1,669	1,121	1,053	1,034	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance TC-396	PEF Distribution Gen. Plant Power Oper Equip 396.0	Elec - General Plant	Unassigned - PEF		1,417	1,419	953	895	879	
DE Florida	Cash & Overheads	Customer Delivery	PEF Other Yates Maintenance VS - 303	PEF Other Yates Maintenance VS	Elec - Intangible Plant	Unassigned - PEF	1,002	13,183	8,776	11,408	12,075	12,075	
DE Florida	Cash & Overheads	Customer Delivery	PEF Reg Other IT	PEF Distribution Gen. Plant Commun Equip-New 397.0	Elec - General Plant	Unassigned - PEF	325						
DE Florida	Cash & Overheads	Customer Services	PEF Customer Maintenance - Intangible VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	4,065						
DE Florida	Cash & Overheads	Customer Services	PEF Customer Maintenance Facilities SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	4,912						
DE Florida	Cash & Overheads	Customer Services	PEF Customer Maintenance Facilities VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		11,051	6,506	6,439	6,439	6,439	
DE Florida	Cash & Overheads	Customer Services	PEF Customer Meters IK	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF	960	20,172	9,437	19,132	19,132	19,132	
DE Florida	Cash & Overheads	Distributed Energy Solutions	PEF DES Exp Cust Sol TA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	74	7,334	7,350	8,567	10,061	11,372	
DE Florida	Cash & Overheads	EHS and Coal Combustion Products	PEF Ash Strategy ABSAT	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	423						
DE Florida	Cash & Overheads	EHS and Coal Combustion Products	PEF Ash Strategy ECRC Crystal River ABSAT B2	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	92	360	0	30	30	30	
DE Florida	Cash & Overheads	FERC Interconnection	PEF FERC Interconnection	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	(10,453)	8,212					
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	57						
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		6,022	17,491	15,280	16,714	20,022	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		4,087	11,871	10,370	11,343	13,588	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		5,278	15,331	13,393	14,650	17,549	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		1,933	5,616	4,906	5,367	6,429	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		5,836	16,953	14,809	16,199	19,406	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		4,408	12,804	11,185	12,235	14,657	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		2,718	7,894	6,896	7,543	9,036	
DE Florida	Cash & Overheads	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-370	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		1,586	4,607	4,025	4,402	5,274	
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions - H&R_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		67	266	593	624		
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions - H&R_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		80	317	707	744		
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions - H&R_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		70	277	617	650		
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Advanced DMS Dec 21 VS	PEF Grid Solutions Advanced DMS-303.1	Elec - Intangible Plant	Unassigned - PEF	6,173						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Advanced DMS VS	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF	4,293	7,348	7,664	3,228	2,054		

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions AMI - dist QQ	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF	17,047						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Circuit Reliability IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	2,454						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Communication Monthly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	52						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Communication Monthly RR - 360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	1,949						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Communications Quarterly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	38,215	34,687	31,263	37,842	41,164	29,473	
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Dist Energy Enablement & Storage VS	PEF Grid Solutions Ent Sys Intang-5 Year	Elec - Intangible Plant	Unassigned - PEF	4,769	4,423	3,370	897	17	17	
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Ent App VS - 303	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		2,075	11,109	4,669	4,130	454	
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Grid Mod H&R IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	4						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Maintenance Grid Mod VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	1,095						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Self Optimizing Monthly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	7,573						
DE Florida	Cash & Overheads	Grid Solutions	PEF Grid Solutions Targeted Undergrounding Qtrly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	44,633						
DE Florida	Cash & Overheads	Grid Solutions	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3,343						
DE Florida	Cash & Overheads	Grid Solutions	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	132						
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF IGS Exp Electrification OU_DCFC	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF				6,852	9,112	11,484	
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF IGS Exp Electrification OU_L2	PEF Dist Install - L2 Charger 370.X	Elec - Distribution Plant	Unassigned - PEF		11,867	9,174	4,855	2,601	3,076	
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF IGS Exp Other OU	PEF Market Solutions Expansion	Elec - Distribution Plant	Unassigned - PEF	62						
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF IGS Exp Outdoor Lighting IK	D DIS 373-ZZ-STREET LIGHT&SIG-50226	Elec - Distribution Plant	Unassigned - PEF	47,076	61,511	60,738	60,960	61,760	63,000	
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF IGS Maint Outdoor Lighting IK	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	1,224	18,271	18,258	17,631	19,071	20,031	
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified						48,500	
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 Dixie County	PEF Solar Growth Battery	Battery	Unspecified			3,900				
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 J Hopkins	PEF Solar Growth Battery	Battery	Unspecified		8,500					
DE Florida	Cash & Overheads	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified				7,760	97,000	55,290	
DE Florida	Cash & Overheads	Other Departments (Jamil)	PEF OthJamil_Network Upgrades_Solar	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		10,277					
DE Florida	Cash & Overheads	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	18,341						
DE Florida	Cash & Overheads	Other Departments (Jamil)	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		40,904	31,193				
DE Florida	Cash & Overheads	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		19,161	14,612				
DE Florida	Cash & Overheads	Other Departments (Savoy)	PEF Other Savoy Exp ISOP OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		247					
DE Florida	Cash & Overheads	Other Departments (Savoy)	PEF Other Savoy Exp Other OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		560	560				
DE Florida	Cash & Overheads	Other Departments (Savoy)	PEF Other Savoy Exp SEEM	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		259					
DE Florida	Cash & Overheads	Project Management and Construction	[redacted]	PEF Transmission Major Projects CC 2018	Elec - Transmission Plant	Unassigned - PEF	(10)						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro ECRC Crystal River BA	PEF Fossil Hydro ECRC Crystal River	Elec - Steam Production Plant	Crystal River 4&5	313						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Bartow CC BG	PEF Bartow 343.1 CC	Elec - Other Production Plant	Bartow CC		18,225	50,649				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Citrus 1&2 BG	PEF CITRUS CC 343.1	Elec - Other Production Plant	CITRUS CC	141,326		313	46,204	55,503		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Debary 7-10 BG	D OTH 343.1 DEBARY (NEW)-50222	Elec - Other Production Plant	Debary CT New		1,727	1,622				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 1 BG	PEF Hines 1 343.1	Elec - Other Production Plant	Hines 1					5,067		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 2 BG	PEF Hines 2 343.1	Elec - Other Production Plant	Hines 2				4,955			
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 4 BG	PEF Hines 4 343.1	Elec - Other Production Plant	Hines 4	11,642	15,224					
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables IC 12-14 BG	D OTH 343.1 INTER CITY 12-50222	Elec - Other Production Plant	Inter City P12-14		1,410			1,981		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables IC 7-10 BG	D OTH 343.1 INTER CITY 7-10-50222	Elec - Other Production Plant	Inter City New P7-10		2,460		1,981			
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Osprey BG	PEF Osprey CC 343.1	Elec - Other Production Plant	Osprey	5,788						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam	8,219	458	436	1,936	631	1,037	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		2,294	2,184	9,692	3,161	5,194	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		1,624	1,546	6,861	2,237	3,676	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		396	377	1,672	545	896	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		101	96	428	139	229	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam		108	528	585	656	1,726	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		528	2,652	2,931	3,287	8,641	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		372	1,872	2,074	2,326	6,116	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		96	456	506	567	1,491	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		24	120	129	145	381	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	2,941						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		1,784	2,491	1,315	1,957	2,505	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		821	1,147	606	901	1,154	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		9,607	13,417	7,083	10,541	13,490	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	601	936	1,307	690	1,027	1,314	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		771	1,077	569	846	1,083	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC	15,284	440	615	325	483	618	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	375						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG-341	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	193						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		144	696	773	867		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		60	324	356	399		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		756	3,768	4,165	4,671		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		72	372	406	455		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		60	300	334	375		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC		36	168	191	214		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	17,230						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC	589	799	1,015	2,272	2,640	2,318	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	1,136	1,613	2,049	4,588	5,332	4,680	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		4,904	6,231	13,951	16,212	14,230	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		118	150	336	390	342	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		849	1,078	2,415	2,806	2,463	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC		41	53	118	137	120	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC		108	540	597	670	1,761	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC		216	1,092	1,206	1,353	3,556	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		672	3,312	3,668	4,113	10,814	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		12	84	88	99	260	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		120	576	635	712	1,872	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC			24	31	35	91	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5	8,232	3,658	1,842	2,047	1,750	903	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5	5,604	13,560	6,829	7,590	6,489	3,348	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		2,725	1,372	1,525	1,304	673	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		1,468	739	822	702	362	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		318	160	178	152	79	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR Common BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	3,674						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5		191	947	1,048	1,175		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5		708	3,510	3,885	4,357		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		142	705	781	876		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		77	380	421	472		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		17	82	91	102		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New		209	127		226	12	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		251	153		271	14	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		2,796	1,702		3,013	157	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		722	439		778	41	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		248	151		267	14	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		41	25		44	2	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New	10,165	218	59	25	25	25	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		360	97	41	41	41	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		919	249	106	106	106	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		274	74	32	32	32	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		244	66	28	28	28	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		49	13	6	6	6	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG	PEF Hines 1 345	Elec - Other Production Plant	Hines 1	12,605						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-341	PEF Hines 1 341	Elec - Other Production Plant	Hines 1		2,851	3,732	417	928	957	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-342	PEF Hines 1 342	Elec - Other Production Plant	Hines 1		815	1,067	119	265	274	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-343	PEF Hines 1 343	Elec - Other Production Plant	Hines 1		10,768	14,096	1,577	3,506	3,614	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-344	PEF Hines 1 344	Elec - Other Production Plant	Hines 1		2,031	2,659	297	661	682	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-345	PEF Hines 1 345	Elec - Other Production Plant	Hines 1		2,095	2,742	307	682	703	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-346	PEF Hines 1 346	Elec - Other Production Plant	Hines 1		470	616	69	153	158	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-341	PEF Hines 1 341	Elec - Other Production Plant	Hines 1		42	211	233	261	687	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-342	PEF Hines 1 342	Elec - Other Production Plant	Hines 1		12	60	67	75	197	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-343	PEF Hines 1 343	Elec - Other Production Plant	Hines 1		160	796	881	988	2,596	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-344	PEF Hines 1 344	Elec - Other Production Plant	Hines 1		30	150	166	186	490	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-345	PEF Hines 1 345	Elec - Other Production Plant	Hines 1		31	155	171	192	505	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-346	PEF Hines 1 346	Elec - Other Production Plant	Hines 1		7	35	38	43	113	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2	3,507	813	90	1,511	68	783	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-342	PEF Hines 2 342	Elec - Other Production Plant	Hines 2		536	59	996	45	516	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-343	PEF Hines 2 343	Elec - Other Production Plant	Hines 2		6,521	723	12,122	547	6,281	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-344	PEF Hines 2 344	Elec - Other Production Plant	Hines 2		1,578	175	2,933	132	1,520	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-345	PEF Hines 2 345	Elec - Other Production Plant	Hines 2		804	89	1,494	67	774	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-346	PEF Hines 2 346	Elec - Other Production Plant	Hines 2		126	14	234	11	121	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2		22	110	122	137	360	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-342	PEF Hines 2 342	Elec - Other Production Plant	Hines 2		15	73	80	90	237	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-343	PEF Hines 2 343	Elec - Other Production Plant	Hines 2		178	884	978	1,097	2,884	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-344	PEF Hines 2 344	Elec - Other Production Plant	Hines 2		43	214	237	265	698	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-345	PEF Hines 2 345	Elec - Other Production Plant	Hines 2		22	109	121	135	355	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-346	PEF Hines 2 346	Elec - Other Production Plant	Hines 2		3	17	19	21	56	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	316						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3	1	153	270	133	1,167	356	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-342	PEF Hines 3 342	Elec - Other Production Plant	Hines 3		203	359	177	1,553	473	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-343	PEF Hines 3 343	Elec - Other Production Plant	Hines 3		1,509	2,666	1,315	11,546	3,517	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-344	PEF Hines 3 344	Elec - Other Production Plant	Hines 3		737	1,302	642	5,638	1,717	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-345	PEF Hines 3 345	Elec - Other Production Plant	Hines 3		315	556	274	2,410	734	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	128	32	56	27	241	74	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3		15	73	81	90	238	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-342	PEF Hines 3 342	Elec - Other Production Plant	Hines 3		20	97	107	120	316	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-343	PEF Hines 3 343	Elec - Other Production Plant	Hines 3		145	720	797	893	2,349	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-344	PEF Hines 3 344	Elec - Other Production Plant	Hines 3		71	351	389	436	1,147	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-345	PEF Hines 3 345	Elec - Other Production Plant	Hines 3		30	150	166	186	490	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3		3	15	17	19	49	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4	2,643	570	228	701	438	1,253	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-342	PEF Hines 4 342	Elec - Other Production Plant	Hines 4		318	127	391	245	699	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-343	PEF Hines 4 343	Elec - Other Production Plant	Hines 4		5,765	2,302	7,093	4,436	12,674	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-344	PEF Hines 4 344	Elec - Other Production Plant	Hines 4		1,931	771	2,375	1,486	4,245	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-345	PEF Hines 4 345	Elec - Other Production Plant	Hines 4		1,094	437	1,346	842	2,405	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-346	PEF Hines 4 346	Elec - Other Production Plant	Hines 4		363	145	447	280	799	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4		16	80	88	99	260	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-342	PEF Hines 4 342	Elec - Other Production Plant	Hines 4		9	45	49	55	145	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-343	PEF Hines 4 343	Elec - Other Production Plant	Hines 4		163	807	894	1,002	2,635	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-344	PEF Hines 4 344	Elec - Other Production Plant	Hines 4		54	270	299	336	882	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-345	PEF Hines 4 345	Elec - Other Production Plant	Hines 4		31	153	170	190	500	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-346	PEF Hines 4 346	Elec - Other Production Plant	Hines 4		10	51	56	63	166	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 341	PEF Inter City old P1-6 341	Elec - Other Production Plant	Inter City old P1-6	10,698	251	117	118	20	20	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 342	PEF Inter City old P1-6 342	Elec - Other Production Plant	Inter City old P1-6		301	140	141	24	24	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 343	PEF Inter City old P1-6 343	Elec - Other Production Plant	Inter City old P1-6		1,671	779	786	136	131	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 344	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6		266	124	125	22	21	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 345	PEF Inter City old P1-6 345	Elec - Other Production Plant	Inter City old P1-6		335	156	157	27	26	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 346	PEF Inter City old P1-6 346	Elec - Other Production Plant	Inter City old P1-6		104	49	49	8	8	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 341	PEF Inter City Siemens P11 341	Elec - Other Production Plant	Inter City P11			8		63		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 342	PEF Inter City Siemens P11 342	Elec - Other Production Plant	Inter City P11			7		60		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 343	PEF Inter City Siemens P11 343	Elec - Other Production Plant	Inter City P11			89		743		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 344	PEF Inter City Siemens P11 344	Elec - Other Production Plant	Inter City P11			15		123		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 345	PEF Inter City Siemens P11 345	Elec - Other Production Plant	Inter City P11			17		141		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 346	PEF Inter City Siemens P11 346	Elec - Other Production Plant	Inter City P11			1		8		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 341	PEF Inter City P12-14 341	Elec - Other Production Plant	Inter City P12-14	1,804	5	2	99	82	119	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 342	PEF Inter City P12-14 342	Elec - Other Production Plant	Inter City P12-14		20	6	373	309	448	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 343	PEF Inter City P12-14 343	Elec - Other Production Plant	Inter City P12-14		262	84	4,870	4,032	5,843	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 344	PEF Inter City P12-14 344	Elec - Other Production Plant	Inter City P12-14		66	21	1,224	1,013	1,468	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 345	PEF Inter City P12-14 345	Elec - Other Production Plant	Inter City P12-14		35	11	656	543	787	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 346	PEF Inter City P12-14 346	Elec - Other Production Plant	Inter City P12-14		1	0	11	9	14	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 341	PEF Inter City new P7-10 341	Elec - Other Production Plant	Inter City New P7-10	563	457	65		74		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 342	PEF Inter City new P7-10 342	Elec - Other Production Plant	Inter City New P7-10		360	51		58		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 343	PEF Inter City new P7-10 343	Elec - Other Production Plant	Inter City New P7-10		3,542	505		570		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 344	PEF Inter City new P7-10 344	Elec - Other Production Plant	Inter City New P7-10		807	115		130		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 345	PEF Inter City new P7-10 345	Elec - Other Production Plant	Inter City New P7-10		319	46		51		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 346	PEF Inter City new P7-10 346	Elec - Other Production Plant	Inter City New P7-10		49	7		8		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG	PEF Osprey CC 346	Elec - Other Production Plant	Osprey	1,428						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-341	PEF Osprey CC 341	Elec - Other Production Plant	Osprey	17,618	5,425	494	577	540	1,659	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-342	PEF Osprey CC 342	Elec - Other Production Plant	Osprey		1,052	96	112	105	322	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-343	PEF Osprey CC 343	Elec - Other Production Plant	Osprey		13,739	1,251	1,460	1,367	4,201	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-344	PEF Osprey CC 344	Elec - Other Production Plant	Osprey	267	2,392	218	254	238	732	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-345	PEF Osprey CC 345	Elec - Other Production Plant	Osprey		3,111	283	331	310	951	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-346	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		666	61	71	66	204	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Other BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	2						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-341	PEF Suwannee 341	Elec - Other Production Plant	Suwannee	6,868	276	114	16	242	16	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-342	PEF Suwannee 342	Elec - Other Production Plant	Suwannee		377	155	23	331	22	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-343	PEF Suwannee 343	Elec - Other Production Plant	Suwannee		1,701	701	102	1,495	98	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-344	PEF Suwannee 344	Elec - Other Production Plant	Suwannee		429	177	26	377	25	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-345	PEF Suwannee 345	Elec - Other Production Plant	Suwannee		378	156	23	332	22	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-346	PEF Suwannee 346	Elec - Other Production Plant	Suwannee		123	51	7	108	7	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-341	PEF Tiger Bay 341	Elec - Other Production Plant	Tiger Bay CC	1,476	419	181	2,532		724	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-342	PEF Tiger Bay 342	Elec - Other Production Plant	Tiger Bay CC		204	88	1,234		353	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-343	PEF Tiger Bay 343	Elec - Other Production Plant	Tiger Bay CC		1,070	463	6,467		1,849	

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							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-344	PEF Tiger Bay 344	Elec - Other Production Plant	Tiger Bay CC		392	170	2,367		677	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-345	PEF Tiger Bay 345	Elec - Other Production Plant	Tiger Bay CC		326	141	1,971		563	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-346	PEF Tiger Bay 346	Elec - Other Production Plant	Tiger Bay CC		64	28	384		110	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT	2,893	167	388	484	398	29	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT		116	270	337	277	20	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT		555	1,292	1,613	1,327	96	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT		107	248	310	255	19	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT		111	258	322	264	19	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT		28	64	80	66	5	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT						4,617	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT						3,214	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT						15,384	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT						2,956	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT						3,066	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT						764	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam				127	391	602	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam				637	1,959	3,012	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam				451	1,387	2,132	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam				110	338	520	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam				28	86	133	
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		1,745	1,745				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-341	PEF Bartow CT 1&3-341	Elec - Other Production Plant	Bartow CT 1&3		94	32	52	20		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-342	PEF Bartow CT 1&3-342	Elec - Other Production Plant	Bartow CT 1&3		164	56	91	35		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-343	PEF Bartow CT 1&3-343	Elec - Other Production Plant	Bartow CT 1&3		502	170	277	106		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-344	PEF Bartow CT 1&3-344	Elec - Other Production Plant	Bartow CT 1&3		223	76	123	47		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-345	PEF Bartow CT 1&3-345	Elec - Other Production Plant	Bartow CT 1&3		171	58	95	36		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-346	PEF Bartow CT 1&3-346	Elec - Other Production Plant	Bartow CT 1&3		10	4	6	2		
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4	3,942						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-341	PEF Bartow CT 2&4-341	Elec - Other Production Plant	Bartow CT 2&4		24	32				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-342	PEF Bartow CT 2&4-342	Elec - Other Production Plant	Bartow CT 2&4		7	9				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-343	PEF Bartow CT 2&4-343	Elec - Other Production Plant	Bartow CT 2&4	186	525	700				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-344	PEF Bartow CT 2&4-344	Elec - Other Production Plant	Bartow CT 2&4		93	124				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-345	PEF Bartow CT 2&4-345	Elec - Other Production Plant	Bartow CT 2&4		11	14				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-346	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4		0	0				
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF RRE Maint Maint VS-343	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF		424					
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Solar Lake Placid Maint - 344	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar	450						
DE Florida	Cash & Overheads	Regulated & Renewable Energy	PEF Solar Perry Maint - 344	PEF Perry Solar 344	Elec - Other Production Plant	Perry Solar	176						
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Reg Other - Other Maintenance	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	22,846						
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Reg Other Facilities Maint SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	133	25,384	2,545	300	300	300	
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Reg Other IT Spend TD	PEF Reg Other IT-Office Equip	Elec - General Plant	Unassigned - PEF	264	7,201	6,526	7,607	8,050	8,050	
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Solar Exp Battery BY - Vision FL	PEF Solar Growth Battery	Battery	Unspecified		23,123	23,000				
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Vision FL 2023 - DeBary Hydrogen	PEF Solar Growth Battery	Battery	Unspecified	8,145	15,762					
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Vision FL 2023 - Hines Floating	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	676						
DE Florida	Cash & Overheads	Regulated Utility Other	PEF Vision FL 2024 - UCF Research	PEF Solar Growth Battery	Battery	Unspecified	29	2,531					
DE Florida	Cash & Overheads	Renewable Generation	PEF Fossil Hydro Expansion Regulated Solar	PEF Other Solar Growth 341	Elec - Production Solar	Unassigned - PEF	(30)						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar - Transmission	PEF Solar Growth Transmission	Elec - Production Solar	Unspecified	61,361						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar 2018 - Hamilton	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar	1,528						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar 2018 - Hamilton 344	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar				311	414	414	
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2019 DeBary	PEF Solar Growth DeBary	Elec - Production Solar	Debary Solar	2						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2021 BY - Charlie Creek 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar	16,061						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2021 BY - Sandy Creek 344	PEF Solar Growth Sandy Creek	Elec - Production Solar	Sandy Creek Solar	6,171						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2021 Duette	PEF Solar Growth Duet	Elec - Production Solar	Duette Solar	573						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2021 Santa Fe	PEF Solar Growth Santa Fe	Elec - Production Solar	Santa Fe Solar	102						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2021 Twin Rivers	PEF Solar Growth Twin Rivers	Elec - Production Solar	Twin Rivers Solar	1,062						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2022 BY - Bay Trail 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	11,863						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2022 BY - Dolphin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,023						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	38,050						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2022 BY - Hardeetown 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	86,252	12,301					
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2023 BY - Bay Ranch 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	89,274	18,010					
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2023 BY - Hildreth 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	97,008	14,964					
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2023 BY- High Springs 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	68,592	11,988					
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2024 BY - Falmouth	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	5,788	78,000	32,004				
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2024 BY - Mule Creek	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	20,199	87,588	8,784				
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2024 BY - Spring Ridge	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	4,457	74,004	36,000				
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2024 BY - Winquepin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	10,861	103,248	7,452				
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2024 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		22,020	154,657	50,036			
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2025 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		22,020	114,546	320,728			
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2026 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			22,909	206,182	229,091		
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2027 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				22,816	205,343	228,159	
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth 2028 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF					22,726	204,534	
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth Battery BY	PEF Solar Growth Battery	Battery	Unspecified	4,714						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth Battery BY - Jennings	PEF Solar Growth Battery	Battery	Unspecified	1,967						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth Battery BY - Micanopy	PEF Solar Growth Battery	Battery	Unspecified	3,506						
DE Florida	Cash & Overheads	Renewable Generation	PEF Solar Growth Battery BY - Trenton	PEF Solar Growth Battery	Battery	Unspecified	1,577						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	1,787	610					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		35	440				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				24	93	1,118	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				14	684		
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF					46	57	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				19	122	1,450	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		270	492				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				13	243	443	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	1	801	884	7,443	10,483		
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion EE Ross Prairie-Shaw	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	2	377	13,505	25,463	6,240	0	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				256	1,365	15,608	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					2,318	2,926	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF			981	425	7,729	3,428	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	(6)						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3,557						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	4,336						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	15,188	9,776					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1,764						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	8,993						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	30,775	49,333	23,880	30,300	13,421	5,332	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		6,585	7				
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3,302	2,228	80,178	21,377			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	10,019						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	58,072	27,633					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				1,899	962	8,004	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	8,439						
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG - Disston to Largo 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	(0)		6,003	2,748	31,860	1,564	
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG - Disston to Largo 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			2,812	1,287	14,924	733	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	3,246	12,558	1,549				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		5,883	725				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				4,285	3,792	20,052	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				2,007	1,776	9,393	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	325	846	17,352	2,927			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		396	8,128	1,371			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		5	25	0			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2	12	0			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(26)						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			611	1,665	609	21,895	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			286	780	285	10,256	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						1,411	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						661	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				905	3,247	8,954	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				424	1,521	4,194	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					2,476	1,309	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					1,160	613	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	7,229						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						213	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						100	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	37,066	43,495	9,684				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		20,374	4,536				
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG Disston to 40th Street	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,139						
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG Disston to 40th Street 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		4,541	38,969	35,143	10,054		
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG Disston to 40th Street 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2,127	18,254	16,462	4,709		
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	654	2,783	7,585	3,035			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1,303	3,553	1,422			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				1,882	2,066	4,265	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				881	968	1,998	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	34,758						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		13,127					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		6,149					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			411	3,097	2,090	16,364	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			193	1,451	979	7,666	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(17)						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			319	3,944	7,582	26,870	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			150	1,847	3,551	12,587	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	4,742						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,508						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	16,413						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		5,931					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2,778					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	27,644						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,190						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					1,589	4,678	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					744	2,191	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(4)						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	12,539						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	2,001	49,631	26,712	41,214	59,199	30,942	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		23,249	12,513	19,306	27,730	14,494	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	72,238	34,744	2,667				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		16,275	1,249				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	1,058	21,340	12,423	1,288			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		9,996	5,819	603			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		896	1,514	1,579	1,626	1,362	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		420	709	740	762	638	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					877	1,691	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					411	792	
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG New Source to Alachua 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1,096	4,394	15,600	28,891		
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG New Source to Alachua 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		513	2,058	7,307	13,533		
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	30,606	511					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		240					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	19,023						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1,316					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		617					
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG Ross Prairie-Shaw 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				6,192	24,489	18,152	
DE Florida	Cash & Overheads	Transmission	PEF Transmission Expansion GG Ross Prairie-Shaw 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				2,900	11,471	8,503	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	(286)	3,078	1,140				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1,442	534				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				1,877	3,105	16,155	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				879	1,455	7,568	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						2,571	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						1,204	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			1,029	192	143	8,372	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			482	90	67	3,922	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	4,170	5,899	2,977	2,654	7,598	386	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF						663	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	4,853	17					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	2,840	489					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			1,905				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF						2,000	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF					4,000		
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		608	1,834	0			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		7,755					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		4	768				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		929	6,835				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	27,131	27,411	39,670	36,509	34,184	28,188	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1 SPP	Elec - Transmission Plant	Unassigned - PEF	1,166	5,315	6,046	11,240	11,240	11,240	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		10,000	20,000	40,000			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				78	476	8,499	

							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	0	1,474	12,107	1			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		167	997	17,000	2		
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3,875	11,752	18,770	19,000			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	3,306						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	4,243	3,470	4,727	10,056	10,011	10,011	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1,625	2,214	4,711	4,689	4,689	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		887	1,803	16,077			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		415	845	7,531			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF	64,763						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Towers & Fixtures 354 SPP	Elec - Transmission Plant	Unassigned - PEF	1,127						
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF		95,098	101,459	111,828	111,787	111,787	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0 SPP	Elec - Transmission Plant	Unassigned - PEF		44,546	47,526	52,383	52,364	52,364	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 Veg SPP	Elec - Transmission Plant	Unassigned - PEF		6,917	8,221	7,451	8,706	7,904	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0 Veg SPP	Elec - Transmission Plant	Unassigned - PEF		3,240	3,851	3,490	4,078	3,702	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	37,096	31,112	71,108	54,669	31,711	38,661	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				476	8,559		
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	3,204	8,970	18,770	19,000			
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Station Equip 362.0 SPP	Elec - Distribution Plant	Unassigned - PEF	1,969	7,972	9,069	16,860	16,860	16,860	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF			4,002				
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		1,116					
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution General Plant Stores Equip 393.0	Elec - General Plant	Unassigned - PEF	2,493	1,363	3,398	1,445	1,488	1,488	
DE Florida	Cash & Overheads	Transmission	[redacted]	PEF Distribution Gen. Plant Tool Shop/Gar. Eq. -New- 394.1	Elec - General Plant	Unassigned - PEF	173		5,052				
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		13,396	16,004	15,386	14,690	14,615	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		9,092	10,862	10,442	9,969	9,918	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		11,742	14,028	13,486	12,875	12,810	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		4,301	5,139	4,940	4,716	4,692	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		12,984	15,511	14,912	14,237	14,165	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		9,806	11,715	11,263	10,753	10,698	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		6,046	7,223	6,944	6,630	6,596	
DE Florida	Cash Removal	Customer Delivery	PEF Dist Removal - 370	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		3,528	4,215	4,053	3,869	3,849	
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	707						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Expansion Field Ops IK Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	5,767						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	8,141						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Maintenance HW-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	7,537						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Maintenance HW-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	29						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Maintenance IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	31,298						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Maintenance IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	(3)						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Maintenance IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF	11						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Maintenance LA-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	11,453						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution Poles Towers & Fixtures SPP - 364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	14,356						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	720						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SubOpt_2023-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	9,837						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	35						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF	39						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	1,585						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	61						
DE Florida	Cash Removal	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	1,644						
DE Florida	Cash Removal	Customer Delivery	PEF Other Yates Maintenance SA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	3,976						
DE Florida	Cash Removal	Customer Services	PEF Customer Maintenance TB	PEF Corporate - Office Furn & Equip 391.1	Elec - General Plant	Unassigned - PEF	2,098						
DE Florida	Cash Removal	Distributed Energy Solutions	PEF DES Exp Cust Sol TA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	465						
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF Ash Strategy ABSAT	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	4,427						
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF Ash Strategy ECRC Crystal River ABSAT B2	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	146						
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF CCP Removal Bartow CC	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		1,049				2,322	
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF CCP Removal Bayboro CT	PEF Bayboro 343	Elec - Other Production Plant	Bayboro CT				2,972			
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF CCP Removal CR	D FOS 311 CRYS RIV 1&2 - FD 50221	Elec - Steam Production Plant	Crystal River 1&2		3,558					
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF CCP Removal Debary CT	PEF Debary old 346	Elec - Other Production Plant	Debary CT Old						872	
DE Florida	Cash Removal	EHS and Coal Combustion Products	PEF CCP Removal Intercession City CT	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6			538				
DE Florida	Cash Removal	FERC Interconnection	PEF FERC Interconnection	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	(580)						
DE Florida	Cash Removal	Grid Solutions	PEF Grid Solutions AMI - dist QQ	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF	1,088						
DE Florida	Cash Removal	Grid Solutions	PEF Grid Solutions Circuit Reliability IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	3,458						
DE Florida	Cash Removal	Grid Solutions	PEF Grid Solutions Communication Monthly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	1						
DE Florida	Cash Removal	Grid Solutions	PEF Grid Solutions Communications Quarterly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	991						
DE Florida	Cash Removal	Grid Solutions	PEF Grid Solutions Self Optimizing Monthly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	2,424						
DE Florida	Cash Removal	Grid Solutions	PEF Grid Solutions Targeted Undergrounding Qtrly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	5,695						
DE Florida	Cash Removal	Grid Solutions	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	(279)						
DE Florida	Cash Removal	Integrated Grid Strategy	PEF IGS Exp Outdoor Lighting IK	D DIS 373-ZZ-STREET LIGHT&SIG-50226	Elec - Distribution Plant	Unassigned - PEF	3,421						
DE Florida	Cash Removal	Integrated Grid Strategy	PEF IGS Maint Outdoor Lighting IK	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	119						
DE Florida	Cash Removal	Nuclear	PEF Nuclear Maintenance	D INT 303-Passport-Nuc Asset -50220	Elec - Intangible Plant	Unassigned - PEF	2,097						
DE Florida	Cash Removal	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	18						
DE Florida	Cash Removal	Project Management and Construction	[redacted]	PEF Transmission Major Projects CC 2018	Elec - Transmission Plant	Unassigned - PEF	10						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Citrus 1&2 BG	PEF CITRUS CC 343.1	Elec - Other Production Plant	CITRUS CC	3,309						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 4 BG	PEF Hines 4 343.1	Elec - Other Production Plant	Hines 4	51,263						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Osprey BG	PEF Osprey CC 343.1	Elec - Other Production Plant	Osprey	42,777						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam	6,879	123	120	120	120	120	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		617	600	600	600	600	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		437	425	425	425	425	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		106	104	104	104	104	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		27	26	26	26	26	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Avon	PEF Avon Park 343	Elec - Other Production Plant	Avon Park CT	13						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	6,584						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		687	893	893	893	893	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		316	411	411	411	411	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		3,699	4,812	4,812	4,812	4,812	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	15	360	469	469	469	469	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		297	386	386	386	386	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC	5,130	169	220	220	220	220	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG-341	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	8						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bayboro BG-341	PEF Bayboro 341	Elec - Other Production Plant	Bayboro CT	132						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	1,710						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC	2,070	15	14	14	14	14	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	7	31	29	29	29	29	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		94	89	89	89	89	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		2	2	2	2	2	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		16	15	15	15	15	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC		1	1	1	1	1	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 1&2	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5	2,035						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5	14,271	521	221	221	221	221	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5	4,111	1,933	820	820	820	820	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		389	165	165	165	165	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		209	89	89	89	89	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		45	19	19	19	19	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR Common BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	3,443						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New		54	33	33	33	33	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		65	39	39	39	39	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		722	436	436	436	436	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		186	112	112	112	112	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		64	39	39	39	39	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		11	6	6	6	6	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New	5,612	25	13	13	13	13	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		42	21	21	21	21	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		107	53	53	53	53	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		32	16	16	16	16	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		28	14	14	14	14	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		6	3	3	3	3	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Higgins BG	PEF Higgins 345	Elec - Other Production Plant	Higgins CT	1						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG	PEF Hines 1 345	Elec - Other Production Plant	Hines 1	41,516						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-341	PEF Hines 1 341	Elec - Other Production Plant	Hines 1		461	64	64	64	64	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-342	PEF Hines 1 342	Elec - Other Production Plant	Hines 1		132	18	18	18	18	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-343	PEF Hines 1 343	Elec - Other Production Plant	Hines 1		1,741	242	242	242	242	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-344	PEF Hines 1 344	Elec - Other Production Plant	Hines 1		328	46	46	46	46	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-345	PEF Hines 1 345	Elec - Other Production Plant	Hines 1		339	47	47	47	47	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-346	PEF Hines 1 346	Elec - Other Production Plant	Hines 1		76	11	11	11	11	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2	6,083	185	26	26	26	26	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-342	PEF Hines 2 342	Elec - Other Production Plant	Hines 2		122	17	17	17	17	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-343	PEF Hines 2 343	Elec - Other Production Plant	Hines 2		1,486	207	207	207	207	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-344	PEF Hines 2 344	Elec - Other Production Plant	Hines 2		360	50	50	50	50	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-345	PEF Hines 2 345	Elec - Other Production Plant	Hines 2		183	26	26	26	26	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-346	PEF Hines 2 346	Elec - Other Production Plant	Hines 2		29	4	4	4	4	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	11,104						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3	810	29	10	10	10	10	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-342	PEF Hines 3 342	Elec - Other Production Plant	Hines 3		38	14	14	14	14	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-343	PEF Hines 3 343	Elec - Other Production Plant	Hines 3		285	101	101	101	101	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-344	PEF Hines 3 344	Elec - Other Production Plant	Hines 3		139	49	49	49	49	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-345	PEF Hines 3 345	Elec - Other Production Plant	Hines 3		59	21	21	21	21	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	101	6	2	2	2	2	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4	1,497	189	8	8	8	8	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-342	PEF Hines 4 342	Elec - Other Production Plant	Hines 4		106	4	4	4	4	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-343	PEF Hines 4 343	Elec - Other Production Plant	Hines 4		1,914	81	81	81	81	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-344	PEF Hines 4 344	Elec - Other Production Plant	Hines 4		641	27	27	27	27	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-345	PEF Hines 4 345	Elec - Other Production Plant	Hines 4		363	15	15	15	15	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-346	PEF Hines 4 346	Elec - Other Production Plant	Hines 4		121	5	5	5	5	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 341	PEF Inter City old P1-6 341	Elec - Other Production Plant	Inter City old P1-6	13,390	11	9	9	9	9	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 342	PEF Inter City old P1-6 342	Elec - Other Production Plant	Inter City old P1-6		13	10	10	10	10	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 343	PEF Inter City old P1-6 343	Elec - Other Production Plant	Inter City old P1-6		74	57	57	57	57	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 344	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6		12	9	9	9	9	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 345	PEF Inter City old P1-6 345	Elec - Other Production Plant	Inter City old P1-6		15	11	11	11	11	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 346	PEF Inter City old P1-6 346	Elec - Other Production Plant	Inter City old P1-6		5	4	4	4	4	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 341	PEF Inter City P12-14 341	Elec - Other Production Plant	Inter City P12-14	5,721	11					
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 342	PEF Inter City P12-14 342	Elec - Other Production Plant	Inter City P12-14		40					
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 343	PEF Inter City P12-14 343	Elec - Other Production Plant	Inter City P12-14		528					
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 344	PEF Inter City P12-14 344	Elec - Other Production Plant	Inter City P12-14		133					
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 345	PEF Inter City P12-14 345	Elec - Other Production Plant	Inter City P12-14		71					
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 346	PEF Inter City P12-14 346	Elec - Other Production Plant	Inter City P12-14		1					
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 341	PEF Inter City new P7-10 341	Elec - Other Production Plant	Inter City New P7-10	3,782	133	7	7	7	7	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 342	PEF Inter City new P7-10 342	Elec - Other Production Plant	Inter City New P7-10		104	5	5	5	5	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 343	PEF Inter City new P7-10 343	Elec - Other Production Plant	Inter City New P7-10		1,028	53	53	53	53	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 344	PEF Inter City new P7-10 344	Elec - Other Production Plant	Inter City New P7-10		234	12	12	12	12	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 345	PEF Inter City new P7-10 345	Elec - Other Production Plant	Inter City New P7-10		93	5	5	5	5	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 346	PEF Inter City new P7-10 346	Elec - Other Production Plant	Inter City New P7-10		14	1	1	1	1	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG	PEF Osprey CC 346	Elec - Other Production Plant	Osprey	482						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-341	PEF Osprey CC 341	Elec - Other Production Plant	Osprey	31,750	1,129	113	113	113	113	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-342	PEF Osprey CC 342	Elec - Other Production Plant	Osprey		219	22	22	22	22	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-343	PEF Osprey CC 343	Elec - Other Production Plant	Osprey		2,859	286	286	286	286	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-344	PEF Osprey CC 344	Elec - Other Production Plant	Osprey	243	498	50	50	50	50	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-345	PEF Osprey CC 345	Elec - Other Production Plant	Osprey		647	65	65	65	65	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-346	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		139	14	14	14	14	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-341	PEF Suwannee 341	Elec - Other Production Plant	Suwannee	1,232	50	13	13	13	13	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-342	PEF Suwannee 342	Elec - Other Production Plant	Suwannee		69	18	18	18	18	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-343	PEF Suwannee 343	Elec - Other Production Plant	Suwannee		309	80	80	80	80	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-344	PEF Suwannee 344	Elec - Other Production Plant	Suwannee		78	20	20	20	20	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-345	PEF Suwannee 345	Elec - Other Production Plant	Suwannee		69	18	18	18	18	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-346	PEF Suwannee 346	Elec - Other Production Plant	Suwannee		22	6	6	6	6	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-341	PEF Tiger Bay 341	Elec - Other Production Plant	Tiger Bay CC	757	15	5	5	5	5	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-342	PEF Tiger Bay 342	Elec - Other Production Plant	Tiger Bay CC		7	2	2	2	2	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-343	PEF Tiger Bay 343	Elec - Other Production Plant	Tiger Bay CC		38	13	13	13	13	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-344	PEF Tiger Bay 344	Elec - Other Production Plant	Tiger Bay CC		14	5	5	5	5	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-345	PEF Tiger Bay 345	Elec - Other Production Plant	Tiger Bay CC		12	4	4	4	4	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-346	PEF Tiger Bay 346	Elec - Other Production Plant	Tiger Bay CC		2	1	1	1	1	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT	599						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT		47	76	76	76	76	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT		33	53	53	53	53	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT		158	253	253	253	253	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT		30	49	49	49	49	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT		32	50	50	50	50	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT		8	13	13	13	13	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		10	10	10	10	10	
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4	1,612						
DE Florida	Cash Removal	Regulated & Renewable Energy	PEF Solar Perry Maint - 344	PEF Perry Solar 344	Elec - Other Production Plant	Perry Solar	8						
DE Florida	Cash Removal	Regulated Utility Other	PEF Reg Other - Other Maintenance	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	5,242						
DE Florida	Cash Removal	Renewable Generation	PEF Solar - Transmission	PEF Solar Growth Transmission	Elec - Production Solar	Unspecified	290						
DE Florida	Cash Removal	Renewable Generation	PEF Solar 2018 - Hamilton	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar	45						
DE Florida	Cash Removal	Renewable Generation	PEF Solar Growth 2019 DeBary	PEF Solar Growth DeBary	Elec - Production Solar	Debary Solar	(2)						

DOCKET NO. 20240025-EI

RA-5, 5

6.679.690 6.985.662 6.975.575 7.248.817 6.563.674 6.910.271

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	Cash Removal	Renewable Generation	PEF Solar Growth Battery BY - Jennings	PEF Solar Growth Battery	Battery	Unspecified	11						
DE Florida	Cash Removal	Renewable Generation	PEF Solar Growth Battery BY - Trenton	PEF Solar Growth Battery	Battery	Unspecified	0						
DE Florida	Cash Removal	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	155						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1,855						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	(1,127)						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	(208)						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3,087						
DE Florida	Cash Removal	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	376						
DE Florida	Cash Removal	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1,571						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	819						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	239						
DE Florida	Cash Removal	Transmission	PEF Transmission Expansion GG - Disston to Largo 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	0						
DE Florida	Cash Removal	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	340						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	62						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	29						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(112)						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	1,358						
DE Florida	Cash Removal	Transmission	PEF Transmission Expansion GG Disston to 40th Street	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	25						
DE Florida	Cash Removal	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	59						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	798						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	17						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(23)						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(1,292)						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	362						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	2,039						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	483						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	4						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	976						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	9						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	173						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	16						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(239)						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	327						
DE Florida	Cash Removal	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	284						
DE Florida	Cash Removal	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	(208)						
DE Florida	Cash Removal	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	820						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	4,825						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1 SPP	Elec - Transmission Plant	Unassigned - PEF	52						
DE Florida	Cash Removal	Transmission		PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	209						
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	3,560						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	755						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF	6,971						
DE Florida	Cash Removal	Transmission		PEF Transmission Towers & Fixtures 354 SPP	Elec - Transmission Plant	Unassigned - PEF	280						
DE Florida	Cash Removal	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	7,583						
DE Florida	Cash Removal	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	130						
DE Florida	Cash Removal	Transmission		PEF Distribution Station Equip 362.0 SPP	Elec - Distribution Plant	Unassigned - PEF	81						
DE Florida	Cash Removal	Transmission		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		17,589	22,741	19,103	19,109	19,285	
DE Florida	Cash Removal	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		8,239	10,652	8,948	8,951	9,034	
DE Florida	Closed CPI	Customer Connect	PEF Customer Connect 5 year VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		13					
DE Florida	Closed CPI	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF		102	103	103	103	103	
DE Florida	Closed CPI	Customer Delivery	PEF Customer Fleet Electrification Clusters	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF		18	19				
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	0	4	2	0			
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	26	226	41	5			
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Expansion Field Ops IK Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	82						
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Maintenance HW-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	53	1,367	0				
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Maintenance HW-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		3	0				
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Maintenance IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	1,168						
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Maintenance IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF	37						
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Poles Towers & Fixtures SPP - 364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	617	1,292					
DE Florida	Closed CPI	Customer Delivery	PEF Distribution Smart Grid - Infrastructure	PEF Distribution Gen. Plant Commun Equip-New 397.0	Elec - General Plant	Unassigned - PEF		3					
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	18						
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SubOpt_2023-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		1,386					
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF			8		0		
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF			0		0		
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		177					
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF			6				
DE Florida	Closed CPI	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF					52		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				2			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				88			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				2			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				8			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				4			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				1			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				14			
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					162		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF					4		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF					15		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF					6		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF					2		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF					26		
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF						2,169	
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF						58	
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF						202	
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF						87	
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF						29	
DE Florida	Closed CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF						347	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance SA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	83	472	260	216	43	3	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.1	PEF Distribution General Plant Cars 392.1	Elec - General Plant	Unassigned - PEF						0	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.2	PEF Distribution General Plant Light Trucks 392.2	Elec - General Plant	Unassigned - PEF						0	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.3	PEF Distribution General Plant Heavy Trucks 392.3	Elec - General Plant	Unassigned - PEF						0	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.4	PEF Distribution General Plant Special Equip 392.4	Elec - General Plant	Unassigned - PEF						0	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.5	PEF Distribution General Plant Trailers 392.5	Elec - General Plant	Unassigned - PEF						0	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance TC-396	PEF Distribution Gen. Plant Power Oper Equip 396.0	Elec - General Plant	Unassigned - PEF						0	
DE Florida	Closed CPI	Customer Delivery	PEF Other Yates Maintenance VS - 303	PEF Other Yates Maintenance VS	Elec - Intangible Plant	Unassigned - PEF		207	125	155	166	155	
DE Florida	Closed CPI	Customer Services	PEF Customer Maintenance - Intangible VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF		108					
DE Florida	Closed CPI	Customer Services	PEF Customer Maintenance Facilities SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF		102					
DE Florida	Closed CPI	Customer Services	PEF Customer Maintenance Facilities VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		16	9	9	9	9	
DE Florida	Closed CPI	Customer Services	PEF Customer Meters IK	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		31	5	10	10	10	
DE Florida	Closed CPI	Distributed Energy Solutions	PEF DES Exp Cust Sol TA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	1						
DE Florida	Closed CPI	EHS and Coal Combustion Products	PEF Ash Strategy ABSAT	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	9		9				
DE Florida	Closed CPI	EHS and Coal Combustion Products	PEF Ash Strategy ECRC Crystal River ABSAT B2	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	1	3					
DE Florida	Closed CPI	FERC Interconnection	PEF FERC Interconnection	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		38					
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		2	0	0			
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		25	73	68	74	88	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		17	49	46	50	60	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		22	64	60	65	77	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		8	23	22	24	28	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		24	70	66	72	85	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		18	53	50	54	65	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		11	33	31	33	40	
DE Florida	Closed CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-370	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		7	19	18	19	23	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions - H&R_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF			0			1	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions - H&R_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF			0			1	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions - H&R_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF			0			1	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Advanced DMS Dec 21 VS	PEF Grid Solutions Advanced DMS-303.1	Elec - Intangible Plant	Unassigned - PEF		1,062	42	1			
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Advanced DMS VS	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		183	114	38	22	2	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Circuit Reliability IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	61						
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Communication Monthly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF		15	0				
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Communication Monthly RR - 360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		30	0				
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Communications Quarterly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	3	866	10	22	23	17	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Dist Energy Enablement & Storage VS	PEF Grid Solutions Ent Sys Intang-5 Year	Elec - Intangible Plant	Unassigned - PEF		316	59	15	1	0	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Ent App VS - 303	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		39	151	61	50	9	
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Self Optimizing Monthly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	353						
DE Florida	Closed CPI	Grid Solutions	PEF Grid Solutions Targeted Undergrounding Qtrly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	814						
DE Florida	Closed CPI	Grid Solutions	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	5						
DE Florida	Closed CPI	Grid Solutions		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		(2)					
DE Florida	Closed CPI	Integrated Grid Strategy	PEF IGS Exp Outdoor Lighting IK	D DIS 373-ZZ-STREET LIGHT&SIG-50226	Elec - Distribution Plant	Unassigned - PEF	75						
DE Florida	Closed CPI	Integrated Grid Strategy	PEF IGS Maint Outdoor Lighting IK	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	7						
DE Florida	Closed CPI	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified							918
DE Florida	Closed CPI	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 Dixie County	PEF Solar Growth Battery	Battery	Unspecified				124			
DE Florida	Closed CPI	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 J Hopkins	PEF Solar Growth Battery	Battery	Unspecified		112					
DE Florida	Closed CPI	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified						2,627	
DE Florida	Closed CPI	Other Departments (Jamil)	PEF OthJamil_Network Upgrades_Solar	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		205					
DE Florida	Closed CPI	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			5,600				
DE Florida	Closed CPI	Other Departments (Jamil)		PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			2,375				
DE Florida	Closed CPI	Other Departments (Jamil)		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			1,112				
DE Florida	Closed CPI	Other Departments (Savoy)	PEF Other Savoy Exp ISOP OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		0					
DE Florida	Closed CPI	Other Departments (Savoy)	PEF Other Savoy Exp Other OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		0	0				
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro ECRC Crystal River BA	PEF Fossil Hydro ECRC Crystal River	Elec - Steam Production Plant	Crystal River 4&5	22	17	4				
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Bartow CC BG	PEF Bartow 343.1 CC	Elec - Other Production Plant	Bartow CC		4	291				
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Citrus 1&2 BG	PEF CITRUS CC 343.1	Elec - Other Production Plant	CITRUS CC	125		27	2,423	1,016		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 4 BG	PEF Hines 4 343.1	Elec - Other Production Plant	Hines 4	61	61					
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Osprey BG	PEF Osprey CC 343.1	Elec - Other Production Plant	Osprey	96						
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam	89	104	45	138	7	20	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		6	18	74	29	98	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		4	13	52	21	70	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		1	3	13	5	17	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		0	1	3	1	4	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam		1	7	8	9	23	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		7	35	38	43	113	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		5	25	27	31	80	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		1	6	7	7	20	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		0	2	2	2	5	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	38	63	74	38	35	37	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		7	20	29	46	87	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		3	9	14	21	40	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		39	107	158	249	466	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		14	22	21	29	53	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		3	9	13	20	37	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC	23	286	330	155	142	214	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		2	9	10	11		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		1	4	5	5		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		10	49	55	61		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		1	5	5	6		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		1	4	4	5		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC		0	2	3	3		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	0	470	319	779	579	334	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC	29	16	18	60	74	79	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC		31	36	116	151	164	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		31	67	248	380	451	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		1	2	6	9	11	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		5	12	43	66	78	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC		0	1	2	3	4	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC		1	7	8	9	23	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC		3	14	16	18	47	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		9	43	48	54	142	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		0	1	1	1	3	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		2	8	8	9	25	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC			0	0	0	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5	130	408	214	203	121	79	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5	13	113	144	179	213	171	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		8	21	29	39	33	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		4	11	16	21	18	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		1	2	3	5	4	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR Common BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	10						
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5		3	12	14	15		

DOCKET NO. 20240025-EI

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6.679.690 6.985.662 6.975.575 7.248.817 6.563.674 6.910.271

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5		9	46	51	57		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		2	9	10	11		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		1	5	6	6		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		0	1	1	1		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New		1	1		2		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		2	1		2		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		20	8		22		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		5	2		6		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		2	1		2		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		0	0		0		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New	10	96	47	22	29	36	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		1	1	1	1	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		2	3	2	2	3	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		1	1	0	1	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		1	1	0	1	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		0	0	0	0	0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG	PEF Hines 1 345	Elec - Other Production Plant	Hines 1	8	65	116	8	17	9	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2		26	7	43	0	0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG	PEF Hines 3 346	Elec - Other Production Plant	Hines 3		101	8	14	24	(17)	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3		2	0	0	0	0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3		0	0	0	0	0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4	47	64	2	16	6	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 341	PEF Inter City old P1-6 341	Elec - Other Production Plant	Inter City old P1-6	112	116	64	55	16	18	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 342	PEF Inter City old P1-6 342	Elec - Other Production Plant	Inter City old P1-6		1	3	4	2	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 343	PEF Inter City old P1-6 343	Elec - Other Production Plant	Inter City old P1-6		4	16	21	10	13	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 344	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6		1	3	3	2	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 345	PEF Inter City old P1-6 345	Elec - Other Production Plant	Inter City old P1-6		1	3	4	2	3	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 346	PEF Inter City old P1-6 346	Elec - Other Production Plant	Inter City old P1-6		0	1	1	1	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 341	PEF Inter City Siemens P11 341	Elec - Other Production Plant	Inter City P11			0		0		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 342	PEF Inter City Siemens P11 342	Elec - Other Production Plant	Inter City P11			0		0		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 343	PEF Inter City Siemens P11 343	Elec - Other Production Plant	Inter City P11			1		4		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 344	PEF Inter City Siemens P11 344	Elec - Other Production Plant	Inter City P11			0		1		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 345	PEF Inter City Siemens P11 345	Elec - Other Production Plant	Inter City P11			0		1		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 346	PEF Inter City Siemens P11 346	Elec - Other Production Plant	Inter City P11			0		0		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 341	PEF Inter City P12-14 341	Elec - Other Production Plant	Inter City P12-14	7	7	7	38	5	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 342	PEF Inter City P12-14 342	Elec - Other Production Plant	Inter City P12-14		0	0	4	4	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 343	PEF Inter City P12-14 343	Elec - Other Production Plant	Inter City P12-14		0	1	48	57	28	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 344	PEF Inter City P12-14 344	Elec - Other Production Plant	Inter City P12-14		0	0	12	14	7	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 345	PEF Inter City P12-14 345	Elec - Other Production Plant	Inter City P12-14		0	0	6	8	4	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 346	PEF Inter City P12-14 346	Elec - Other Production Plant	Inter City P12-14		0	0	0	0	0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 341	PEF Inter City new P7-10 341	Elec - Other Production Plant	Inter City New P7-10	49	50	1	0	1		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 342	PEF Inter City new P7-10 342	Elec - Other Production Plant	Inter City New P7-10		0	0	0	1		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 343	PEF Inter City new P7-10 343	Elec - Other Production Plant	Inter City New P7-10		2	4	0	7		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 344	PEF Inter City new P7-10 344	Elec - Other Production Plant	Inter City New P7-10		0	1	0	2		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 345	PEF Inter City new P7-10 345	Elec - Other Production Plant	Inter City New P7-10		0	0	0	1		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 346	PEF Inter City new P7-10 346	Elec - Other Production Plant	Inter City New P7-10		0	0	0	0		
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		27	15	10	8	26	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-341	PEF Osprey CC 341	Elec - Other Production Plant	Osprey	153	461	260	232	238	609	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-342	PEF Osprey CC 342	Elec - Other Production Plant	Osprey		3	6	6	7	21	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-343	PEF Osprey CC 343	Elec - Other Production Plant	Osprey		41	73	75	90	271	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-344	PEF Osprey CC 344	Elec - Other Production Plant	Osprey		10	15	15	18	53	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-345	PEF Osprey CC 345	Elec - Other Production Plant	Osprey		9	17	17	20	61	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-346	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		2	4	4	4	13	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Other BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	5						
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-341	PEF Suwannee 341	Elec - Other Production Plant	Suwannee	3	132	112	38	260	36	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-342	PEF Suwannee 342	Elec - Other Production Plant	Suwannee		1	3	2	9	3	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-343	PEF Suwannee 343	Elec - Other Production Plant	Suwannee		5	15	7	41	12	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-344	PEF Suwannee 344	Elec - Other Production Plant	Suwannee		1	4	2	10	3	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-345	PEF Suwannee 345	Elec - Other Production Plant	Suwannee		1	3	2	9	3	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-346	PEF Suwannee 346	Elec - Other Production Plant	Suwannee		0	1	0	3	1	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-341	PEF Tiger Bay 341	Elec - Other Production Plant	Tiger Bay CC	2	3	3	11		0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT	0	40	204	24	173	12	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT		0	5	2	18	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT		2	24	11	85	8	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT		0	5	2	16	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT		0	5	2	17	2	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT		0	1	1	4	0	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT						61	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT						42	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT						202	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT						39	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT						40	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT						10	
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		1	4				
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4	10	89					
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-343	PEF Bartow CT 2&4-343	Elec - Other Production Plant	Bartow CT 2&4		1					
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF RRE Maint Maint VS-343	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF		6					
DE Florida	Closed CPI	Regulated & Renewable Energy	PEF Solar Lake Placid Maint - 344	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar	0						
DE Florida	Closed CPI	Regulated Utility Other	PEF Reg Other - Other Maintenance	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	278	235					
DE Florida	Closed CPI	Regulated Utility Other	PEF Reg Other Facilities Maint SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF		10	1	0	0	0	
DE Florida	Closed CPI	Regulated Utility Other	PEF Reg Other IT Spend TD	PEF Reg Other IT-Office Equip	Elec - General Plant	Unassigned - PEF		5	3	4	4	4	
DE Florida	Closed CPI	Regulated Utility Other	PEF Solar Exp Battery BY - Vision FL	PEF Solar Growth Battery	Battery	Unspecified			1,486				
DE Florida	Closed CPI	Regulated Utility Other	PEF Vision FL 2023 - DeBary Hydrogen	PEF Solar Growth Battery	Battery	Unspecified			772				
DE Florida	Closed CPI	Regulated Utility Other	PEF Vision FL 2023 - Hines Floating	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		29					
DE Florida	Closed CPI	Regulated Utility Other	PEF Vision FL 2024 - UCF Research	PEF Solar Growth Battery	Battery	Unspecified				183			
DE Florida	Closed CPI	Renewable Generation	PEF Solar - Transmission	PEF Solar Growth Transmission	Elec - Production Solar	Unspecified	456						
DE Florida	Closed CPI	Renewable Generation	PEF Solar 2018 - Hamilton	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar	0	3	17	28	34	30	
DE Florida	Closed CPI	Renewable Generation	PEF Solar 2018 - Hamilton 344	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar				1	5	10	
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2019 BY	PEF Other Solar Growth	Elec - Production Solar	Unassigned - PEF		35					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2019 Lake Placid	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar		1					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2021 BY - Charlie Creek 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar	2,683	56					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2021 BY - Sandy Creek 344	PEF Solar Growth Sandy Creek	Elec - Production Solar	Sandy Creek Solar	1,795	28					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2021 Santa Fe	PEF Solar Growth Santa Fe	Elec - Production Solar	Santa Fe Solar	(0)	4	4	4			
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2022 BY - Bay Trail 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	2,788	43					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2022 BY - Dolphin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		5					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,722	27					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2022 BY - Hardeetown 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		2,430					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2023 BY - Bay Ranch 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		1,867					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2023 BY - Hildreth 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		2,353					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2023 BY- High Springs 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		1,925					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2024 BY - Falmouth	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			2,882				
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2024 BY - Mule Creek	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			2,228				
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2024 BY - Spring Ridge	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			2,674				
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2024 BY - Winquepin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			2,107				
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2024 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				4,772			
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2025 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				12,083			
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2026 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF					8,646		
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2027 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF						8,610	
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth 2028 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF							8,102
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth Battery BY	PEF Solar Growth Battery	Battery	Unspecified	898	899					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth Battery BY - Jennings	PEF Solar Growth Battery	Battery	Unspecified	371	10					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth Battery BY - Micanopy	PEF Solar Growth Battery	Battery	Unspecified	648	30					
DE Florida	Closed CPI	Renewable Generation	PEF Solar Growth Battery BY - Trenton	PEF Solar Growth Battery	Battery	Unspecified	495	11					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		5					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF							780
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF							825
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		1	1				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	11	0					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	72						
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		723					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		2	2	2			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	0	380	380	381	381	381	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	305	3,691	14	18	8	3	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		69					
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				7,715			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2,037						
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	0	4,518					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF							714
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	6	13					
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG - Disston to Largo 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						1,769	
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG - Disston to Largo 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						791	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			652				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			154				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						517	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				3	3	5	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				616			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				262			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				(6)			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				(3)			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						929	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						237	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						111	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							702
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							329
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							280
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							131
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	41	514	0				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			5,909				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			977				
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG Disston to 40th Street	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					276		
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG Disston to 40th Street 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					4,141		
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG Disston to 40th Street 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					1,940		
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				679			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				223			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		673					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		40					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		19					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							921
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							432
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						357	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						167	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		0	0	0			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		0					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	30	366					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		47					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		22					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	129	1,041					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	50					1,023	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						96	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						45	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		0	0				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	666	153					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		45	15	23	33	18	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		15	7	11	16	8	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	755		10,130				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			312				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				1,537			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				648			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1	1	1	1	1	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1	0	0	0	0	
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG New Source to Alachua 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					922		
DE Florida	Closed CPI	Transmission	PEF Transmission Expansion GG New Source to Alachua 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					432		
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		713					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	22	735					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	1	100					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		6					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							943
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							442
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							489
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							229
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		670	2	2	5	0	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	3	415					

DOCKET NO. 20240025-EI

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6.679.690 6.985.662 6.975.575 7.248.817 6.563.674 6.910.271

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	4	154					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			25				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF						26	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF					52		
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		0					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		13					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			2				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			201				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	222	2,626	16	15	14	12	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1 SPP	Elec - Transmission Plant	Unassigned - PEF	6	2					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		131	262	525			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF			197				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				376			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	18	111	10	9			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	88	935					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	0	48	3	5	5	5	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1	1	3	3	3	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					396		
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					185		
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF	354	558	564	564	564	564	564
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Towers & Fixtures 354 SPP	Elec - Transmission Plant	Unassigned - PEF	73	67	67	67	67	67	67
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	302	3,879	37	28	16	20	
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF					137		
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	16	53	10	9			
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0 SPP	Elec - Distribution Plant	Unassigned - PEF	5	0					32
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF			53				
DE Florida	Closed CPI	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF		451					
DE Florida	Closed CPI	Transmission	[redacted]	PEF Distribution General Plant Stores Equip 393.0	Elec - General Plant	Unassigned - PEF		88	80	89	89	89	96
DE Florida	Closed CWIP	Customer Connect	PEF Customer Connect 5 year VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		1,018					
DE Florida	Closed CWIP	Customer Connect	PEF Customer Connect Dec 2024 5 year VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF			1,513				
DE Florida	Closed CWIP	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF	(385)	171	173	173	173	173	
DE Florida	Closed CWIP	Customer Delivery	PEF Customer Fleet Electrification Clusters	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF	4,655						
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				53	55	56	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				36	37	38	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				47	48	49	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF				17	18	18	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				52	53	54	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				39	40	41	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF				24	25	25	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF				14	14	15	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		2,305	2,633	1,094	1,121	1,149	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		1,565	1,787	742	761	780	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		2,021	2,308	959	982	1,007	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		740	845	351	360	369	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		2,234	2,552	1,060	1,086	1,114	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		1,688	1,927	801	821	841	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		1,040	1,188	494	506	519	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		607	693	288	295	303	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	355	199	36	5			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	3,217	4,773	868	111			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	32,072						
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	21						
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	101,576	20,057	20,298	35,412	36,298	37,205	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		13,612	13,775	24,033	24,634	25,250	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		17,580	17,791	31,038	31,814	32,609	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		6,440	6,517	11,370	11,654	11,946	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		19,439	19,673	34,322	35,180	36,059	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		14,682	14,858	25,922	26,570	27,234	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-369	PEF Distribution U/G Services 369.2	Elec - Distribution Plant	Unassigned - PEF		9,052	9,161	15,982	16,382	16,791	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		5,283	5,346	9,327	9,560	9,799	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	58,909	35,800	3,927	4,101	5,242	5,664	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		2,023	2,665	2,784	3,558	3,844	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		2,479	3,442	3,595	4,595	4,965	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		908	1,261	1,317	1,683	1,819	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		2,741	3,806	3,975	5,081	5,490	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		2,070	2,875	3,002	3,837	4,146	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		1,276	1,772	1,851	2,366	2,556	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance HW-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		745	1,034	1,080	1,381	1,492	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	212,637	22,152	22,413	22,377	23,969	25,900	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		15,034	15,211	15,186	16,267	17,577	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		19,416	19,645	19,613	21,009	22,701	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		7,112	7,196	7,185	7,696	8,316	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	3	21,470	21,723	21,687	23,231	25,102	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		16,215	16,406	16,380	17,546	18,959	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF	2,382	9,997	10,115	10,099	10,818	11,689	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		5,835	5,903	5,894	6,313	6,822	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		399	419	421	432	445	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		271	284	286	293	302	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		350	367	369	378	390	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		128	134	135	139	143	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		387	406	408	418	431	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		292	306	308	316	325	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		180	189	190	195	201	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance IK_Annual-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		105	110	111	114	117	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance LA-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	(4)						
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Maintenance TB	PEF Distribution Gen. Plant Tool Shop/Gar. Eq. -New- 394.1	Elec - General Plant	Unassigned - PEF	6,515	4,530	4,717	4,833	4,952	5,074	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Poles Towers & Fixtures SPP - 364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	106,046	40,962					
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution Smart Grid - Infrastructure	PEF Distribution Gen. Plant Commun Equip-New 397.0	Elec - General Plant	Unassigned - PEF	13						
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	7,266						
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SPP_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		19,278	13,237	14,856	14,319	13,678	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SPP_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		22,994	15,789	17,719	17,078	16,314	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SPP_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		20,079	13,787	15,473	14,913	14,246	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2023-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	254	127,891	167				
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2023-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		18,133	199				
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2023-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		15,835	174				
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				26,096			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				31,125			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				27,179			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF			27,277		1,250		
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF			31,653		1,483		
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF			27,766		1,296		
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF				43,489			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF				51,870			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF				45,295			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		64,830					
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		59,170					
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		51,669					
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF			114,437				
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF			135,549				
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF			118,365				
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF				172,601			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF				205,867			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF				179,769			
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF					56,738		
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF					61,276		
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF					53,508		
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	14,061	600	618	551	567	584	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		715	737	657	677	697	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		624	643	574	591	609	
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF							271
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF							324
DE Florida	Closed CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF							283
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				750			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				20			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				70			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				30			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				10			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				120			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				6,675			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				178			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				623			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				267			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				89			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				1,068			
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					12,359		
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF					330		
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF					1,154		
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF					494		
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF					165		
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF					1,977		
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF						58,125	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF						1,550	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF						5,425	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF						2,325	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF						775	
DE Florida	Closed CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF						9,300	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance SA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	8,512	24,962	39,018	23,559	3,019	60	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.1	PEF Distribution General Plant Cars 392.1	Elec - General Plant	Unassigned - PEF		227	227	152	143	141	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.2	PEF Distribution General Plant Light Trucks 392.2	Elec - General Plant	Unassigned - PEF		1,532	1,534	1,030	968	950	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.3	PEF Distribution General Plant Heavy Trucks 392.3	Elec - General Plant	Unassigned - PEF		756	757	508	477	469	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.4	PEF Distribution General Plant Special Equip 392.4	Elec - General Plant	Unassigned - PEF		1,577	1,578	1,060	996	978	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.5	PEF Distribution General Plant Trailers 392.5	Elec - General Plant	Unassigned - PEF		1,634	1,636	1,098	1,032	1,013	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance TC-396	PEF Distribution Gen. Plant Power Oper Equip 396.0	Elec - General Plant	Unassigned - PEF		1,389	1,391	934	877	861	
DE Florida	Closed CWIP	Customer Delivery	PEF Other Yates Maintenance VS - 303	PEF Other Yates Maintenance VS	Elec - Intangible Plant	Unassigned - PEF		12,952	8,859	11,357	12,061	12,075	
DE Florida	Closed CWIP	Customer Services	PEF Customer Maintenance - Intangible VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	552	5,259					
DE Florida	Closed CWIP	Customer Services	PEF Customer Maintenance Facilities SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	6,553	3,894					
DE Florida	Closed CWIP	Customer Services	PEF Customer Maintenance Facilities VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		11,051	6,506	6,439	6,439	6,439	
DE Florida	Closed CWIP	Customer Services	PEF Customer Maintenance TB	PEF Corporate - Office Furn & Equip 391.1	Elec - General Plant	Unassigned - PEF	2						
DE Florida	Closed CWIP	Customer Services	PEF Customer Meters IK	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF	0	21,132	9,437	19,132	19,132	19,132	
DE Florida	Closed CWIP	Distributed Energy Solutions	PEF DES Exp Cust Sol TA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	490	7,334	7,350	8,567	10,061	11,372	
DE Florida	Closed CWIP	EHS and Coal Combustion Products	PEF Ash Strategy ABSAT	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	423		1				
DE Florida	Closed CWIP	EHS and Coal Combustion Products	PEF Ash Strategy ECRC Crystal River ABSAT B2	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	92	360	0	30	30	30	
DE Florida	Closed CWIP	FERC Interconnection	PEF FERC Interconnection	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	17	10,249					
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		60	0	0			
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		5,962	17,373	15,302	16,699	19,988	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		4,046	11,791	10,385	11,333	13,565	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		5,225	15,227	13,412	14,637	17,519	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		1,914	5,578	4,913	5,362	6,418	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		5,778	16,838	14,831	16,185	19,373	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		4,364	12,717	11,201	12,224	14,632	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		2,691	7,841	6,906	7,536	9,021	
DE Florida	Closed CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-370	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		1,570	4,576	4,031	4,398	5,265	
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions - H&R_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		66	261	581	611		
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions - H&R_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		78	311	693	729		
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions - H&R_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		68	271	605	637		
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Advanced DMS Dec 21 VS	PEF Grid Solutions Advanced DMS-303.1	Elec - Intangible Plant	Unassigned - PEF		28,826	577	12			
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Advanced DMS VS	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		8,982	7,690	3,317	2,079	42	
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions AMI - dist QQ	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF	17,047						
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Circuit Reliability IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	7,258						
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Communication Monthly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	54	98	0				
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Communication Monthly RR - 360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		3,403	0				
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Communications Quarterly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	15,327	104,675	31,052	37,967	41,142	29,549	
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Dist Energy Enablement & Storage VS	PEF Grid Solutions Ent Sys Intang-5 Year	Elec - Intangible Plant	Unassigned - PEF	1	11,763	3,538	950	36	17	
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Ent App VS - 303	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		2,034	10,927	4,794	4,143	528	
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Grid Mod H&R IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	4						
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Maintenance Grid Mod VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	147						
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Self Optimizing Monthly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	16,530						
DE Florida	Closed CWIP	Grid Solutions	PEF Grid Solutions Targeted Undergrounding Qtrly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	60,030						
DE Florida	Closed CWIP	Grid Solutions	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2,807						
DE Florida	Closed CWIP	Grid Solutions	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		(558)					
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF IGS Exp Electrification OU_DCFC	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF				6,852	9,112	11,484	
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF IGS Exp Electrification OU_L2	PEF Dist Install - L2 Charger 370.X	Elec - Distribution Plant	Unassigned - PEF		11,867	9,174	4,855	2,601	3,076	

							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF IGS Exp Outdoor Lighting IK	D DIS 373-ZZ-STREET LIGHT&SIG-50226	Elec - Distribution Plant	Unassigned - PEF	42,787	61,511	60,738	60,960	61,760	63,000	
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF IGS Maint Outdoor Lighting IK	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	1,413	18,271	18,258	17,631	19,071	20,031	
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified							50,059
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 Dixie County	PEF Solar Growth Battery	Battery	Unspecified				3,900			
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 J Hopkins	PEF Solar Growth Battery	Battery	Unspecified		8,500					
DE Florida	Closed CWIP	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified						164,486	
DE Florida	Closed CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		10,277					
DE Florida	Closed CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			56,224				
DE Florida	Closed CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			76,128				
DE Florida	Closed CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			35,660				
DE Florida	Closed CWIP	Other Departments (Savoy)	PEF Other Savoy Exp ISOP OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		248					
DE Florida	Closed CWIP	Other Departments (Savoy)	PEF Other Savoy Exp Other OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		560	560				
DE Florida	Closed CWIP	Other Departments (Savoy)	PEF Other Savoy Exp SEEM	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		259					
DE Florida	Closed CWIP	Project Management and Construction	[redacted]	PEF Transmission Major Projects CC 2018	Elec - Transmission Plant	Unassigned - PEF	(10)						
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro ECRC Crystal River BA	PEF Fossil Hydro ECRC Crystal River	Elec - Steam Production Plant	Crystal River 4&5	13,272						
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Bartow CC BG	PEF Bartow 343.1 CC	Elec - Other Production Plant	Bartow CC		18,225	50,649				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Citrus 1&2 BG	PEF CITRUS CC 343.1	Elec - Other Production Plant	CITRUS CC	139,051		306	45,171	55,473		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Debary 7-10 BG	D OTH 343.1 DEBARY (NEW)-50222	Elec - Other Production Plant	Debary CT New		1,727	1,622				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 1 BG	PEF Hines 1 343.1	Elec - Other Production Plant	Hines 1					5,067		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 2 BG	PEF Hines 2 343.1	Elec - Other Production Plant	Hines 2				4,953			
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 4 BG	PEF Hines 4 343.1	Elec - Other Production Plant	Hines 4	11,642	15,224					
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables IC 12-14 BG	D OTH 343.1 INTER CITY 12-50222	Elec - Other Production Plant	Inter City P12-14		1,410			1,981		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables IC 7-10 BG	D OTH 343.1 INTER CITY 7-10-50222	Elec - Other Production Plant	Inter City New P7-10		2,460		1,981			
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Osprey BG	PEF Osprey CC 343.1	Elec - Other Production Plant	Osprey	14,065						
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam	10,106	966	420	2,465	674	981	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		1,528	1,007	8,994	3,339	4,902	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		1,082	713	6,366	2,363	3,470	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		264	174	1,552	576	846	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		67	44	397	147	216	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam		108	528	585	656	1,726	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		528	2,652	2,931	3,287	8,641	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		372	1,872	2,074	2,326	6,116	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		96	456	506	567	1,491	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		24	120	129	145	381	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	6,484	665	864	273	194	186	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		935	1,885	743	989	1,608	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		431	868	342	456	740	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		5,038	10,151	4,002	5,328	8,658	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		649	1,194	439	549	888	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		404	815	321	428	695	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC	4,582	3,963	5,320	1,338	949	1,451	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG-341	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	3						
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		144	696	773	867		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		60	324	356	399		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		756	3,768	4,165	4,671		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		72	372	406	455		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		60	300	334	375		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC		36	168	191	214		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	169	3,949	2,705	6,986	4,025	1,733	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC	2,147	342	408	1,768	2,275	2,037	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC		833	920	3,822	4,738	4,175	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		1,933	2,386	10,556	13,794	12,431	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		47	57	254	332	299	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		334	413	1,827	2,387	2,151	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC		16	20	89	116	105	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC		108	540	597	670	1,761	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC		216	1,092	1,206	1,353	3,556	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		672	3,312	3,668	4,113	10,814	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		12	84	88	99	260	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		120	576	635	712	1,872	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC			24	31	35	91	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5	9,240	6,093	2,863	3,244	1,946	972	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5	3,168	10,424	5,850	7,975	6,044	3,063	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		1,833	1,073	1,516	1,189	604	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		988	578	816	641	325	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		214	125	177	139	71	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR Common BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	1,655						
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5		191	947	1,048	1,175		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5		708	3,510	3,885	4,357		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		142	705	781	876		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		77	380	421	472		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		17	82	91	102		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New		209	127		166		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		251	153		200		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		2,796	1,702		2,224		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		722	439		574		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		248	151		197		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		41	25		33		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New	2,140	1,464	319	193	188	184	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		117	47	9	10	10	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		298	119	22	24	27	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		89	36	7	7	8	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		79	32	6	6	7	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		16	6	1	1	1	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG	PEF Hines 1 345	Elec - Other Production Plant	Hines 1	1,911	3,495	6,214	428	925	506	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-341	PEF Hines 1 341	Elec - Other Production Plant	Hines 1		693	4,360	462	1,170	1,097	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-342	PEF Hines 1 342	Elec - Other Production Plant	Hines 1		198	1,247	132	335	314	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-343	PEF Hines 1 343	Elec - Other Production Plant	Hines 1		2,619	16,470	1,745	4,421	4,144	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-344	PEF Hines 1 344	Elec - Other Production Plant	Hines 1		494	3,107	329	834	782	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-345	PEF Hines 1 345	Elec - Other Production Plant	Hines 1		509	3,204	339	860	806	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-346	PEF Hines 1 346	Elec - Other Production Plant	Hines 1		114	719	76	193	181	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-341	PEF Hines 1 341	Elec - Other Production Plant	Hines 1		42	211	233	261	687	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-342	PEF Hines 1 342	Elec - Other Production Plant	Hines 1		12	60	67	75	197	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-343	PEF Hines 1 343	Elec - Other Production Plant	Hines 1		160	796	881	988	2,596	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-344	PEF Hines 1 344	Elec - Other Production Plant	Hines 1		30	150	166	186	490	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-345	PEF Hines 1 345	Elec - Other Production Plant	Hines 1		31	155	171	192	505	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 Other BG-346	PEF Hines 1 346	Elec - Other Production Plant	Hines 1		7	35	38	43	113	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2	(191)	1,734	436	3,651	86	759	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-342	PEF Hines 2 342	Elec - Other Production Plant	Hines 2		284	62	992	56	497	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-343	PEF Hines 2 343	Elec - Other Production Plant	Hines 2		3,453	760	12,077	676	6,046	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-344	PEF Hines 2 344	Elec - Other Production Plant	Hines 2		835	184	2,922	163	1,463	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-345	PEF Hines 2 345	Elec - Other Production Plant	Hines 2		426	94	1,488	83	745	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-346	PEF Hines 2 346	Elec - Other Production Plant	Hines 2		67	15	234	13	117	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2		22	110	122	137	360	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-342	PEF Hines 2 342	Elec - Other Production Plant	Hines 2		15	73	80	90	237	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-343	PEF Hines 2 343	Elec - Other Production Plant	Hines 2		178	884	978	1,097	2,884	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-344	PEF Hines 2 344	Elec - Other Production Plant	Hines 2		43	214	237	265	698	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-345	PEF Hines 2 345	Elec - Other Production Plant	Hines 2		22	109	121	135	355	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 Other BG-346	PEF Hines 2 346	Elec - Other Production Plant	Hines 2		3	17	19	21	56	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	13	215	17	29	51	(37)	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3	1	127	84	229	1,197	330	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-342	PEF Hines 3 342	Elec - Other Production Plant	Hines 3		168	111	304	1,593	439	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-343	PEF Hines 3 343	Elec - Other Production Plant	Hines 3		1,252	827	2,263	11,840	3,262	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-344	PEF Hines 3 344	Elec - Other Production Plant	Hines 3		611	404	1,105	5,781	1,593	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-345	PEF Hines 3 345	Elec - Other Production Plant	Hines 3		261	173	472	2,471	681	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3		126	25	60	254	68	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3		15	73	81	90	238	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-342	PEF Hines 3 342	Elec - Other Production Plant	Hines 3		20	97	107	120	316	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-343	PEF Hines 3 343	Elec - Other Production Plant	Hines 3		145	720	797	893	2,349	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-344	PEF Hines 3 344	Elec - Other Production Plant	Hines 3		71	351	389	436	1,147	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-345	PEF Hines 3 345	Elec - Other Production Plant	Hines 3		30	150	166	186	490	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 Other BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3		3	15	17	19	49	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4	1,868	1,499	91	968	628	1,339	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-342	PEF Hines 4 342	Elec - Other Production Plant	Hines 4		238	29	389	296	725	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-343	PEF Hines 4 343	Elec - Other Production Plant	Hines 4		4,317	527	7,053	5,372	13,156	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-344	PEF Hines 4 344	Elec - Other Production Plant	Hines 4		1,446	176	2,362	1,799	4,406	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-345	PEF Hines 4 345	Elec - Other Production Plant	Hines 4		819	100	1,338	1,020	2,497	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-346	PEF Hines 4 346	Elec - Other Production Plant	Hines 4		272	33	445	339	829	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4		16	80	88	99	260	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-342	PEF Hines 4 342	Elec - Other Production Plant	Hines 4		9	45	49	55	145	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-343	PEF Hines 4 343	Elec - Other Production Plant	Hines 4		163	807	894	1,002	2,635	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-344	PEF Hines 4 344	Elec - Other Production Plant	Hines 4		54	270	299	336	882	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-345	PEF Hines 4 345	Elec - Other Production Plant	Hines 4		31	153	170	190	500	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 Other BG-346	PEF Hines 4 346	Elec - Other Production Plant	Hines 4		10	51	56	63	166	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 341	PEF Inter City old P1-6 341	Elec - Other Production Plant	Inter City old P1-6	12,218	1,405	526	405	79	72	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 342	PEF Inter City old P1-6 342	Elec - Other Production Plant	Inter City old P1-6		171	94	109	18	18	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 343	PEF Inter City old P1-6 343	Elec - Other Production Plant	Inter City old P1-6		950	524	606	99	98	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 344	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6		151	83	96	16	16	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 345	PEF Inter City old P1-6 345	Elec - Other Production Plant	Inter City old P1-6		190	105	121	20	20	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 346	PEF Inter City old P1-6 346	Elec - Other Production Plant	Inter City old P1-6		59	33	38	6	6	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 341	PEF Inter City Siemens P11 341	Elec - Other Production Plant	Inter City P11			8		63		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 342	PEF Inter City Siemens P11 342	Elec - Other Production Plant	Inter City P11			7		60		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 343	PEF Inter City Siemens P11 343	Elec - Other Production Plant	Inter City P11			89		743		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 344	PEF Inter City Siemens P11 344	Elec - Other Production Plant	Inter City P11			15		123		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 345	PEF Inter City Siemens P11 345	Elec - Other Production Plant	Inter City P11			17		141		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 346	PEF Inter City Siemens P11 346	Elec - Other Production Plant	Inter City P11			1		8		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 341	PEF Inter City P12-14 341	Elec - Other Production Plant	Inter City P12-14	1,943	110	75	398	108	119	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 342	PEF Inter City P12-14 342	Elec - Other Production Plant	Inter City P12-14		15	3	357	308	447	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 343	PEF Inter City P12-14 343	Elec - Other Production Plant	Inter City P12-14		190	34	4,666	4,021	5,837	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 344	PEF Inter City P12-14 344	Elec - Other Production Plant	Inter City P12-14		48	9	1,172	1,010	1,467	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 345	PEF Inter City P12-14 345	Elec - Other Production Plant	Inter City P12-14		26	5	628	542	786	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 346	PEF Inter City P12-14 346	Elec - Other Production Plant	Inter City P12-14		0	0	11	9	14	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 341	PEF Inter City new P7-10 341	Elec - Other Production Plant	Inter City New P7-10	2,155	460	65	0	73		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 342	PEF Inter City new P7-10 342	Elec - Other Production Plant	Inter City New P7-10		359	51	0	57		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 343	PEF Inter City new P7-10 343	Elec - Other Production Plant	Inter City New P7-10		3,539	505	2	562		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 344	PEF Inter City new P7-10 344	Elec - Other Production Plant	Inter City New P7-10		807	115	1	128		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 345	PEF Inter City new P7-10 345	Elec - Other Production Plant	Inter City New P7-10		319	46	0	51		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 346	PEF Inter City new P7-10 346	Elec - Other Production Plant	Inter City New P7-10		49	7	0	8		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG	PEF Osprey CC 346	Elec - Other Production Plant	Osprey	5	579	108	45	19	122	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-341	PEF Osprey CC 341	Elec - Other Production Plant	Osprey	8,831	11,638	1,909	1,631	1,341	3,504	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-342	PEF Osprey CC 342	Elec - Other Production Plant	Osprey		654	70	58	56	219	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-343	PEF Osprey CC 343	Elec - Other Production Plant	Osprey		8,543	919	758	727	2,864	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-344	PEF Osprey CC 344	Elec - Other Production Plant	Osprey		1,587	179	148	139	527	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-345	PEF Osprey CC 345	Elec - Other Production Plant	Osprey		1,934	208	172	165	649	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-346	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		414	45	37	35	139	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Other BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	209						
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-341	PEF Suwannee 341	Elec - Other Production Plant	Suwannee	1,308	2,075	791	136	1,778	99	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-342	PEF Suwannee 342	Elec - Other Production Plant	Suwannee		152	70	8	139	11	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-343	PEF Suwannee 343	Elec - Other Production Plant	Suwannee		684	318	34	626	51	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-344	PEF Suwannee 344	Elec - Other Production Plant	Suwannee		172	80	9	158	13	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-345	PEF Suwannee 345	Elec - Other Production Plant	Suwannee		152	71	8	139	11	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-346	PEF Suwannee 346	Elec - Other Production Plant	Suwannee		49	23	2	45	4	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-341	PEF Tiger Bay 341	Elec - Other Production Plant	Tiger Bay CC	664	265	387	3,592		733	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-342	PEF Tiger Bay 342	Elec - Other Production Plant	Tiger Bay CC		27	63	1,326		352	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-343	PEF Tiger Bay 343	Elec - Other Production Plant	Tiger Bay CC		142	331	6,950		1,844	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-344	PEF Tiger Bay 344	Elec - Other Production Plant	Tiger Bay CC		52	121	2,544		675	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-345	PEF Tiger Bay 345	Elec - Other Production Plant	Tiger Bay CC		43	101	2,118		562	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-346	PEF Tiger Bay 346	Elec - Other Production Plant	Tiger Bay CC		8	20	413		109	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT	308	280	1,573	187	1,234	65	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT		23	198	71	386	21	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT		111	950	338	1,846	101	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT		21	183	65	355	19	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT		22	189	67	368	20	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT		5	47	17	92	5	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT						4,617	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT						3,214	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT						15,384	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT						2,956	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT						3,066	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT						764	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		1,539	1,031				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-341	PEF Bartow CT 1&3-341	Elec - Other Production Plant	Bartow CT 1&3		94	32	52	20		

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-342	PEF Bartow CT 1&3-342	Elec - Other Production Plant	Bartow CT 1&3		164	56	91	35		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-343	PEF Bartow CT 1&3-343	Elec - Other Production Plant	Bartow CT 1&3		502	170	277	106		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-344	PEF Bartow CT 1&3-344	Elec - Other Production Plant	Bartow CT 1&3		223	76	123	47		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-345	PEF Bartow CT 1&3-345	Elec - Other Production Plant	Bartow CT 1&3		171	58	95	36		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 1&3 BG-346	PEF Bartow CT 1&3-346	Elec - Other Production Plant	Bartow CT 1&3		10	4	6	2		
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4	790	4,300					
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-341	PEF Bartow CT 2&4-341	Elec - Other Production Plant	Bartow CT 2&4		24	32				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-342	PEF Bartow CT 2&4-342	Elec - Other Production Plant	Bartow CT 2&4		7	9				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-343	PEF Bartow CT 2&4-343	Elec - Other Production Plant	Bartow CT 2&4		711	700				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-344	PEF Bartow CT 2&4-344	Elec - Other Production Plant	Bartow CT 2&4		93	124				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-345	PEF Bartow CT 2&4-345	Elec - Other Production Plant	Bartow CT 2&4		11	14				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-346	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4		0	0				
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF RRE Maint Maint VS-343	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF		424					
DE Florida	Closed CWIP	Regulated & Renewable Energy	PEF Solar Lake Placid Maint - 344	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar	372						
DE Florida	Closed CWIP	Regulated Utility Other	PEF Reg Other - Other Maintenance	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	55,258	21,648					
DE Florida	Closed CWIP	Regulated Utility Other	PEF Reg Other Facilities Maint SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	163	25,354	2,545	300	300	300	
DE Florida	Closed CWIP	Regulated Utility Other	PEF Reg Other IT Spend TD	PEF Reg Other IT-Office Equip	Elec - General Plant	Unassigned - PEF		7,465	6,526	7,607	8,050	8,050	
DE Florida	Closed CWIP	Regulated Utility Other	PEF Solar Exp Battery BY - Vision FL	PEF Solar Growth Battery	Battery	Unspecified			46,123				
DE Florida	Closed CWIP	Regulated Utility Other	PEF Vision FL 2023 - DeBary Hydrogen	PEF Solar Growth Battery	Battery	Unspecified			23,907				
DE Florida	Closed CWIP	Regulated Utility Other	PEF Vision FL 2023 - Hines Floating	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		676					
DE Florida	Closed CWIP	Regulated Utility Other	PEF Vision FL 2024 - UCF Research	PEF Solar Growth Battery	Battery	Unspecified				2,560			
DE Florida	Closed CWIP	Renewable Generation	PEF Solar - Transmission	PEF Solar Growth Transmission	Elec - Production Solar	Unspecified	33,631						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar 2018 - Hamilton	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar	267	208	208	217	205	145	
DE Florida	Closed CWIP	Renewable Generation	PEF Solar 2018 - Hamilton 344	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar				94	210	270	
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2019 DeBary	PEF Solar Growth DeBary	Elec - Production Solar	Debary Solar	2						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2021 BY - Charlie Creek 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar	96,625						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2021 BY - Sandy Creek 344	PEF Solar Growth Sandy Creek	Elec - Production Solar	Sandy Creek Solar	92,217						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2021 Duette	PEF Solar Growth Duet	Elec - Production Solar	Duette Solar	573						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2021 Santa Fe	PEF Solar Growth Santa Fe	Elec - Production Solar	Santa Fe Solar	0						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2021 Twin Rivers	PEF Solar Growth Twin Rivers	Elec - Production Solar	Twin Rivers Solar	1,062						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2022 BY - Bay Trail 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	108,874						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	107,610						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2022 BY - Hardeetown 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		108,519					
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2023 BY - Bay Ranch 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		114,646					
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2023 BY - Hildreth 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		118,097					
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2023 BY- High Springs 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		95,793					
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Falmouth	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			115,792				
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Mule Creek	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			116,571				
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Spring Ridge	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			114,461				
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Winquepin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			121,561				
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2024 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				226,713			
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2025 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				457,294			
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2026 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF					458,182		
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2027 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF						456,318	
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth 2028 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF							227,260
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth Battery BY	PEF Solar Growth Battery	Battery	Unspecified	39,638						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth Battery BY - Jennings	PEF Solar Growth Battery	Battery	Unspecified	8,906						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth Battery BY - Micanopy	PEF Solar Growth Battery	Battery	Unspecified	11,955						
DE Florida	Closed CWIP	Renewable Generation	PEF Solar Growth Battery BY - Trenton	PEF Solar Growth Battery	Battery	Unspecified	14,551						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		2,397					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		33	443				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				24	93	1,118	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				13	685		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF					43	56	5
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				17	113	1,460	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		248	473	41			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				12	224	463	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		727	882	6,879	11,122		
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion EE Ross Prairie-Shaw	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		319	13,446	25,581	6,240	0	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF							17,412
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF							12,563
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	(6)						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	14,713						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	7,123						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		26,416					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1,764						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3,599	612	613	614	615	616	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	58,145	61,188	23,891	30,292	13,443	5,342	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		6,585	7				
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				129,926			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	37,573						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	88	121,909					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF							10,865
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	11,028						
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG - Disston to Largo 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						42,572	
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG - Disston to Largo 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						19,756	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			20,418				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			6,548				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						28,129	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				1,840	1,795	9,541	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				21,034			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				9,631			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				29			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				14			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						4,427	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						24,779	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						11,607	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							13,107
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							6,140
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							3,785
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							1,773
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	17,790	9,662	0				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			106,762				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			26,564				
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG Disston to 40th Street	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					1,896		
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG Disston to 40th Street 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					88,706		
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG Disston to 40th Street 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					41,553		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				15,409			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				6,278			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		50,378					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		13,124					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		6,148					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							21,962
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							10,288
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(1)						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						23,381	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						10,952	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	4,742						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,508						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,257	18,536					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		5,931					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2,778					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	29,989	12,258					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	2,389					4,269	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						6,267	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						2,936	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(4)						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	23,659	52					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		51,632	26,712	41,214	59,199	30,942	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		23,249	12,513	19,306	27,730	14,494	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	33,433		175,250				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			18,052				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				35,857			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				16,124			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		896	1,514	1,579	1,626	1,362	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		420	709	740	762	638	
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG New Source to Alachua 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					44,920		
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG New Source to Alachua 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					21,042		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		35,755					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		240					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	37,987	202					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1,316					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		617					
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG Ross Prairie-Shaw 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						48,832	
DE Florida	Closed CWIP	Transmission	PEF Transmission Expansion GG Ross Prairie-Shaw 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						22,874	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	42	3,551	1,138				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1,442	533				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							21,137
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							9,901
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF							9,736
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF							4,561
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	(78)	12,583	2,977	2,654	7,598	386	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	14,249	8,041					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	645	4,457					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			1,905				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF						2,000	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF					4,000		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		355					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		7,755					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			772				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			7,765				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	29,133	39,035	39,670	36,509	34,184	28,188	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1 SPP	Elec - Transmission Plant	Unassigned - PEF	608	5,315	6,046	11,240	11,240	11,240	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		10,000	20,000	40,000			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF			13,581	0			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				18,164	2		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2,243	14,606	18,770	19,000			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	3,116	3,206					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	22	7,671	4,727	10,056	10,011	10,011	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1,625	2,214	4,711	4,689	4,689	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					18,767		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					8,791		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF	60,572						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Towers & Fixtures 354 SPP	Elec - Transmission Plant	Unassigned - PEF	2,877						
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF		95,098	101,459	111,828	111,787	111,787	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0 SPP	Elec - Transmission Plant	Unassigned - PEF		44,546	47,526	52,383	52,364	52,364	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 Veg SPP	Elec - Transmission Plant	Unassigned - PEF		6,917	8,221	7,451	8,706	7,904	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0 Veg SPP	Elec - Transmission Plant	Unassigned - PEF		3,240	3,851	3,490	4,078	3,702	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	32,039	70,983	71,108	54,669	31,711	38,661	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF					9,036		
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	2,336	10,077	18,770	19,000			
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0 SPP	Elec - Distribution Plant	Unassigned - PEF	1,090	7,972	9,069	16,860	16,860	16,860	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF			4,002				
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF		0					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		1,116					
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution General Plant Stores Equip 393.0	Elec - General Plant	Unassigned - PEF	3,814	1,363	3,398	1,445	1,488	1,488	
DE Florida	Closed CWIP	Transmission	[redacted]	PEF Distribution Gen. Plant Tool Shop/Gar. Eq. -New- 394.1	Elec - General Plant	Unassigned - PEF	15,782		5,052				
DE Florida	CPI	Customer Connect	PEF Customer Connect 5 year VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		13					
DE Florida	CPI	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF		102	103	103	103	103	105
DE Florida	CPI	Customer Delivery	PEF Customer Fleet Electrification Clusters	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF		18	19	20	20	21	22
DE Florida	CPI	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	3	3	1	0	0	0	0
DE Florida	CPI	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	129						
DE Florida	CPI	Customer Delivery	PEF Distribution Expansion Field Ops IK Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	107						
DE Florida	CPI	Customer Delivery	PEF Distribution Maintenance HW-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	57						
DE Florida	CPI	Customer Delivery	PEF Distribution Maintenance HW-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	2						
DE Florida	CPI	Customer Delivery	PEF Distribution Maintenance IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	1,651						
DE Florida	CPI	Customer Delivery	PEF Distribution Maintenance IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF	34						
DE Florida	CPI	Customer Delivery	PEF Distribution Maintenance TB	PEF Distribution Gen. Plant Tool Shop/Gar. Eq. -New- 394.1	Elec - General Plant	Unassigned - PEF	4						
DE Florida	CPI	Customer Delivery	PEF Distribution Poles Towers & Fixtures SPP - 364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	879						
DE Florida	CPI	Customer Delivery	PEF Distribution Smart Grid - Infrastructure	PEF Distribution Gen. Plant Commun Equip-New 397.0	Elec - General Plant	Unassigned - PEF		3	3	3	3	3	3
DE Florida	CPI	Customer Delivery	PEF Distribution UG Conduit	PEF Model Depr Group Distribution	Elec - Distribution Plant	Unassigned - PEF		0	0	0	0	0	0
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	26						

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SPP_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	0						
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SubOpt_2023-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	1,375						
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	8						
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF	0						
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	176						
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	6						
DE Florida	CPI	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	257						
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				2			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				0			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				88			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				2			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				8			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				4			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				1			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 20252-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				14			
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					162		
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF					4		
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF					15		
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF					6		
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF					2		
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2026-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF					26		
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				112	629	1,428	
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				3	17	38	
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				10	59	133	
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				4	25	57	
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				1	8	19	
DE Florida	CPI	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				18	101	228	
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance SA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	46	450	255	215	39	2	0
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.1	PEF Distribution General Plant Cars 392.1	Elec - General Plant	Unassigned - PEF						0	1
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.2	PEF Distribution General Plant Light Trucks 392.2	Elec - General Plant	Unassigned - PEF						0	5
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.3	PEF Distribution General Plant Heavy Trucks 392.3	Elec - General Plant	Unassigned - PEF						0	2
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.4	PEF Distribution General Plant Special Equip 392.4	Elec - General Plant	Unassigned - PEF						0	5
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance TC-392.5	PEF Distribution General Plant Trailers 392.5	Elec - General Plant	Unassigned - PEF						0	5
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance TC-396	PEF Distribution Gen. Plant Power Oper Equip 396.0	Elec - General Plant	Unassigned - PEF						0	4
DE Florida	CPI	Customer Delivery	PEF Other Yates Maintenance VS - 303	PEF Other Yates Maintenance VS	Elec - Intangible Plant	Unassigned - PEF		212	124	156	166	155	9
DE Florida	CPI	Customer Services	PEF Customer Maintenance - Intangible VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	72	15					
DE Florida	CPI	Customer Services	PEF Customer Maintenance Facilities SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	85	8					
DE Florida	CPI	Customer Services	PEF Customer Maintenance Facilities VS	PEF Customer Connect 5 yr	Elec - Intangible Plant	Unassigned - PEF		16	9	9	9	9	
DE Florida	CPI	Customer Services	PEF Customer Meters IK	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		16	5	10	10	10	
DE Florida	CPI	Distributed Energy Solutions	PEF DES Exp Cust Sol TA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	(0)						2
DE Florida	CPI	EHS and Coal Combustion Products	PEF Ash Strategy ABSAT	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	9	0	0				
DE Florida	CPI	EHS and Coal Combustion Products	PEF Ash Strategy ECRC Crystal River ABSAT B2	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	1						
DE Florida	CPI	FERC Interconnection	PEF FERC Interconnection	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	(41)	38					
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	1	1	0	0			
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		25	73	68	74	88	7
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		17	50	46	50	60	5
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		22	64	60	65	77	6
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		8	24	22	24	28	2
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		25	71	66	72	86	7
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		19	54	50	54	65	5
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		11	33	31	33	40	3
DE Florida	CPI	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-370	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		7	19	18	19	23	2
DE Florida	CPI	Grid Solutions	PEF Grid Solutions - H&R_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF			0			1	1
DE Florida	CPI	Grid Solutions	PEF Grid Solutions - H&R_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF			0			1	1
DE Florida	CPI	Grid Solutions	PEF Grid Solutions - H&R_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF			0			1	1
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Advanced DMS Dec 21 VS	PEF Grid Solutions Advanced DMS-303.1	Elec - Intangible Plant	Unassigned - PEF	44	1,026	21	0	0	0	0
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Advanced DMS VS	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		187	113	36	22	1	0
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Circuit Reliability IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	28	19	20	20	21	22	23
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Communication Monthly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	(0)	1	0				
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Communication Monthly RR - 360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		21	0				
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Communications Quarterly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	268	452	10	22	23	17	7
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Dist Energy Enablement & Storage VS	PEF Grid Solutions Ent Sys Intang-5 Year	Elec - Intangible Plant	Unassigned - PEF		323	53	14	1	0	0
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Ent App VS - 303	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		40	154	59	49	8	0
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Maintenance Grid Mod VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF		25	26	27	28	29	30
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Self Optimizing Monthly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	294	345	358	372	386	400	416
DE Florida	CPI	Grid Solutions	PEF Grid Solutions Targeted Undergrounding Qtrly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	895	608	620	643	668	693	720
DE Florida	CPI	Grid Solutions	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	17						
DE Florida	CPI	Grid Solutions	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		(3)					
DE Florida	CPI	Integrated Grid Strategy	PEF IGS Exp Outdoor Lighting IK	D DIS 373-ZZ-STREET LIGHT&SIG-50226	Elec - Distribution Plant	Unassigned - PEF	99						164
DE Florida	CPI	Integrated Grid Strategy	PEF IGS Maint Outdoor Lighting IK	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	3						1
DE Florida	CPI	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified						771	147
DE Florida	CPI	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 Dixie County	PEF Solar Growth Battery	Battery	Unspecified			62	62			
DE Florida	CPI	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 J Hopkins	PEF Solar Growth Battery	Battery	Unspecified		112					
DE Florida	CPI	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified				123	1,841	662	
DE Florida	CPI	Nuclear	PEF Nuclear New Gen COLA	PEF Model Depr Group Nuclear 0%	Elec - Nuclear	Levy Nuclear		1	1	1	1	1	1
DE Florida	CPI	Nuclear	PEF Nuclear New Gen COLA 2017-2018	PEF Model Depr Group Nuclear 0%	Elec - Nuclear	Levy Nuclear		14	14	15	15	16	17
DE Florida	CPI	Other Departments (Jamil)	PEF OthJamil_Network Upgrades_Solar	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		205					
DE Florida	CPI	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,276	1,847	1,760				
DE Florida	CPI	Other Departments (Jamil)	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		531	1,844				
DE Florida	CPI	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		249	864				
DE Florida	CPI	Other Departments (Savoy)	PEF Other Savoy Exp ISOP OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		0					
DE Florida	CPI	Other Departments (Savoy)	PEF Other Savoy Exp Other OU	PEF Other Esamann ISOP	Elec - Intangible Plant	Unassigned - PEF		0	0				
DE Florida	CPI	Project Management and Construction	PEF Citrus CC	PEF Undesig 2018 CC	Elec - Other Production Plant	Citrus CC #2		1,266	1,314	1,364	1,416	1,470	1,526
DE Florida	CPI	Project Management and Construction	[redacted]	PEF Transmission Major Projects CC 2018	Elec - Transmission Plant	Unassigned - PEF		4	4	5	5	5	5
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro ECRC Crystal River BA	PEF Fossil Hydro ECRC Crystal River	Elec - Steam Production Plant	Crystal River 4&5	2						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Bartow CC BG	PEF Bartow 343.1 CC	Elec - Other Production Plant	Bartow CC		4	291				
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Citrus 1&2 BG	PEF CITRUS CC 343.1	Elec - Other Production Plant	CITRUS CC	375	713	726	782	1,242	734	768
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 4 BG	PEF Hines 4 343.1	Elec - Other Production Plant	Hines 4	61						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Osprey BG	PEF Osprey CC 343.1	Elec - Other Production Plant	Osprey	84	4	4	4	4	4	4
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam	89	56	45	20	11	24	21
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		10	52	47	54	118	107
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		7	37	33	38	83	76
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		2	9	8	9	20	18
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		0	2	2	2	5	5
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam		1	7	8	9	23	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		7	35	38	43	113	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		5	25	27	31	80	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		1	6	7	7	20	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote Other BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		0	2	2	2	5	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	2	89	55	39	30	22	16
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		14	39	72	103	149	155
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		6	18	33	47	69	72
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		76	210	390	553	802	837
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	2	29	33	47	61	85	87
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		6	17	31	44	64	67
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC	144	516	315	238	207	191	159
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	2						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG-341	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	0						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		2	9	10	11		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		1	4	5	5		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		10	49	55	61		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC		1	5	5	6		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		1	4	4	5		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow Other BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC		0	2	3	3		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	359	836	714	560	319	197	144
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC	2	15	40	64	82	97	94
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	5	56	103	147	175	202	194
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		46	205	361	485	585	567
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		1	5	9	12	14	14
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		8	35	63	84	101	98
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC		0	2	3	4	5	5
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC		1	7	8	9	23	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC		3	14	16	18	47	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		9	43	48	54	142	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		0	1	1	1	3	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		2	8	8	9	25	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus Other BG-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC			0	0	0	1	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5	129	279	160	102	111	105	92
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5	23	149	223	199	288	312	282
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		12	37	36	55	61	55
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		7	20	20	30	33	30
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		1	4	4	6	7	6
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR Common BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	44	115	120	124	129	134	139
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5		3	12	14	15		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5		9	46	51	57		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		2	9	10	11		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		1	5	6	6		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Crystal River Other BA-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		0	1	1	1		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New		1	1		2	2	3
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		2	1		3	3	3
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		20	8		29	32	38
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		5	2		7	8	10
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		2	1		3	3	3
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		0	0		0	0	1
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New	68	327	301	302	306	310	315
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		4	10	12	14	16	17
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		11	25	32	36	40	43
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		3	8	9	11	12	13
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		3	7	8	10	11	11
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		1	1	2	2	2	2
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG	PEF Hines 1 345	Elec - Other Production Plant	Hines 1	118						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2	76						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	0						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	0						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4	42						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 341	PEF Inter City old P1-6 341	Elec - Other Production Plant	Inter City old P1-6	88	98	68	51	45	44	43
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 342	PEF Inter City old P1-6 342	Elec - Other Production Plant	Inter City old P1-6		2	6	7	9	9	9
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 343	PEF Inter City old P1-6 343	Elec - Other Production Plant	Inter City old P1-6		13	35	40	48	50	51
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 344	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6		2	6	6	8	8	8
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 345	PEF Inter City old P1-6 345	Elec - Other Production Plant	Inter City old P1-6		3	7	8	10	10	10
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 346	PEF Inter City old P1-6 346	Elec - Other Production Plant	Inter City old P1-6		1	2	3	3	3	3
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 341	PEF Inter City Siemens P11 341	Elec - Other Production Plant	Inter City P11			0		0		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 342	PEF Inter City Siemens P11 342	Elec - Other Production Plant	Inter City P11			0		0		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 343	PEF Inter City Siemens P11 343	Elec - Other Production Plant	Inter City P11			1		4		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 344	PEF Inter City Siemens P11 344	Elec - Other Production Plant	Inter City P11			0		1		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 345	PEF Inter City Siemens P11 345	Elec - Other Production Plant	Inter City P11			0		1		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P11 346	PEF Inter City Siemens P11 346	Elec - Other Production Plant	Inter City P11			0		0		
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 341	PEF Inter City P12-14 341	Elec - Other Production Plant	Inter City P12-14	6	16	16	12	2	1	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 342	PEF Inter City P12-14 342	Elec - Other Production Plant	Inter City P12-14		0	0	4	4	2	1
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 343	PEF Inter City P12-14 343	Elec - Other Production Plant	Inter City P12-14		1	4	48	53	28	12
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 344	PEF Inter City P12-14 344	Elec - Other Production Plant	Inter City P12-14		0	1	12	13	7	3
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 345	PEF Inter City P12-14 345	Elec - Other Production Plant	Inter City P12-14		0	1	6	7	4	2
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 346	PEF Inter City P12-14 346	Elec - Other Production Plant	Inter City P12-14		0	0	0	0	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 341	PEF Inter City new P7-10 341	Elec - Other Production Plant	Inter City New P7-10	32	1	0	0	1	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 342	PEF Inter City new P7-10 342	Elec - Other Production Plant	Inter City New P7-10		0	0	0	1	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 343	PEF Inter City new P7-10 343	Elec - Other Production Plant	Inter City New P7-10		2	4	0	7	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 344	PEF Inter City new P7-10 344	Elec - Other Production Plant	Inter City New P7-10		0	1	0	2	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 345	PEF Inter City new P7-10 345	Elec - Other Production Plant	Inter City New P7-10		0	0	0	1	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 346	PEF Inter City new P7-10 346	Elec - Other Production Plant	Inter City New P7-10		0	0	0	0	0	0
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG	PEF Osprey CC 346	Elec - Other Production Plant	Osprey	19	45	36	35	34	32	30
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-341	PEF Osprey CC 341	Elec - Other Production Plant	Osprey	335	679	599	577	547	515	475
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-342	PEF Osprey CC 342	Elec - Other Production Plant	Osprey		8	16	18	20	25	26
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-343	PEF Osprey CC 343	Elec - Other Production Plant	Osprey		106	208	239	267	325	335
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-344	PEF Osprey CC 344	Elec - Other Production Plant	Osprey		25	42	47	52	61	62
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-345	PEF Osprey CC 345	Elec - Other Production Plant	Osprey		24	47	54	60	74	76
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-346	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		5	10	12	13	16	16
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-341	PEF Suwannee 341	Elec - Other Production Plant	Suwannee	146	313	287	272	225	217	221
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-342	PEF Suwannee 342	Elec - Other Production Plant	Suwannee		5	10	12	13	21	22

Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
							6,679,690	6,985,662	6,975,575	7,248,817	6,563,674	6,910,271	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-343	PEF Suwannee 343	Elec - Other Production Plant	Suwannee		22	45	56	60	94	98
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-344	PEF Suwannee 344	Elec - Other Production Plant	Suwannee		6	11	14	15	24	25
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-345	PEF Suwannee 345	Elec - Other Production Plant	Suwannee		5	10	12	13	21	22
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-346	PEF Suwannee 346	Elec - Other Production Plant	Suwannee		2	3	4	4	7	7
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-341	PEF Tiger Bay 341	Elec - Other Production Plant	Tiger Bay CC	18						
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT	13	116	100	78	67	45	44
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT		2	8	14	18	13	13
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT		10	38	69	85	64	64
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT		2	7	13	16	12	12
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT		2	8	14	17	13	13
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT		0	2	3	4	3	3
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT						61	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT						42	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT						202	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT						39	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT						40	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida Other BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT						10	
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam				2	11	30	44
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam				10	56	149	221
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam				7	39	106	157
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam				2	10	26	38
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam				0	2	7	10
DE Florida	CPI	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		5	21	36	38	39	40
DE Florida	CPI	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4	86						
DE Florida	CPI	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-343	PEF Bartow CT 2&4-343	Elec - Other Production Plant	Bartow CT 2&4	1						
DE Florida	CPI	Regulated & Renewable Energy	PEF RRE Maint Maint VS-343	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF		6					
DE Florida	CPI	Regulated & Renewable Energy	PEF Solar Lake Placid Maint - 344	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar	1	3	3	3	3	3	4
DE Florida	CPI	Regulated & Renewable Energy	PEF Solar Perry Maint - 344	PEF Perry Solar 344	Elec - Other Production Plant	Perry Solar	2	7	7	7	8	8	8
DE Florida	CPI	Regulated Utility Other	PEF Reg Other - Other Maintenance	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	107	131					
DE Florida	CPI	Regulated Utility Other	PEF Reg Other Facilities Maint SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF		10	1	0	0	0	
DE Florida	CPI	Regulated Utility Other	PEF Reg Other IT Spend TD	PEF Reg Other IT-Office Equip	Elec - General Plant	Unassigned - PEF		5	3	4	4	4	
DE Florida	CPI	Regulated Utility Other	PEF Solar Exp Battery BY - Vision FL	PEF Solar Growth Battery	Battery	Unspecified		368	1,118				
DE Florida	CPI	Regulated Utility Other	PEF Vision FL 2023 - DeBary Hydrogen	PEF Solar Growth Battery	Battery	Unspecified	62	559	151				
DE Florida	CPI	Regulated Utility Other	PEF Vision FL 2023 - Hines Floating	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	5	24					
DE Florida	CPI	Regulated Utility Other	PEF Vision FL 2024 - UCF Research	PEF Solar Growth Battery	Battery	Unspecified	0	41	99	42			
DE Florida	CPI	Renewable Generation	PEF Fossil Hydro Expansion Regulated Solar	PEF Other Solar Growth 341	Elec - Production Solar	Unassigned - PEF		1	1	1	1	1	1
DE Florida	CPI	Renewable Generation	PEF Solar - Transmission	PEF Solar Growth Transmission	Elec - Production Solar	Unspecified	629	1,633	1,727	1,793	1,861	1,932	2,006
DE Florida	CPI	Renewable Generation	PEF Solar 2018 - Hamilton	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar	11	43	43	36	28	21	16
DE Florida	CPI	Renewable Generation	PEF Solar 2018 - Hamilton 344	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar				4	14	21	22
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2019 DeBary	PEF Solar Growth DeBary	Elec - Production Solar	Debary Solar		4	4	5	5	5	5
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2019 Lake Placid	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar		1	1	1	1	1	1
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2019 Trenton	PEF Solar Growth Trenton	Elec - Production Solar	Trenton Solar		0	0	0	0	0	0
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2020 - Columbia	PEF Solar Growth Columbia	Elec - Production Solar	Columbia Solar		0	0	0	0	0	0
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2021 BY - Charlie Creek 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar	1,819	98	104	108	112	116	121
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2021 BY - Sandy Creek 344	PEF Solar Growth Sandy Creek	Elec - Production Solar	Sandy Creek Solar	1,028	68	70	73	75	78	81
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2021 Santa Fe	PEF Solar Growth Santa Fe	Elec - Production Solar	Santa Fe Solar	(0)	4	4	4	4	4	4
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2022 BY - Bay Trail 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,956	105	109	113	117	122	126
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2022 BY - Dolphin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	40	66	68	71	74	76	79
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,151	66	69	72	75	77	80
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2022 BY - Hardeetown 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,452	911					
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2023 BY - Bay Ranch 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,471	301					
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2023 BY - Hildreth 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,638	655					
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2023 BY- High Springs 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,278	522					
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2024 BY - Falmouth	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	25	1,461	1,396				
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2024 BY - Mule Creek	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	78	2,150					
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2024 BY - Spring Ridge	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	12	1,343	1,319				
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2024 BY - Winquepin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	50	2,057					
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2024 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		350	3,308	1,114			
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2025 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		350	2,670	9,062			
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2026 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			364	4,161	4,120		
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2027 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				363	4,144	4,103	
DE Florida	CPI	Renewable Generation	PEF Solar Growth 2028 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF					361	4,128	3,613
DE Florida	CPI	Renewable Generation	PEF Solar Growth Battery BY	PEF Solar Growth Battery	Battery	Unspecified	9						
DE Florida	CPI	Renewable Generation	PEF Solar Growth Battery BY - Jennings	PEF Solar Growth Battery	Battery	Unspecified	69	18	18	19	20	20	21
DE Florida	CPI	Renewable Generation	PEF Solar Growth Battery BY - Micanopy	PEF Solar Growth Battery	Battery	Unspecified	222	51	52	54	56	59	61
DE Florida	CPI	Renewable Generation	PEF Solar Growth Battery BY - Trenton	PEF Solar Growth Battery	Battery	Unspecified	(23)	20	20	21	22	23	24
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	5						
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		7	7	12	40	319	391
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					37	136	206
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF			16	45	184	414	166
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		1	1	1	1	1	1
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2	1	1	1	1	1	1
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	36	54	57	59	62	64	67
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		723					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		2	2	2	2	2	2
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2	388	388	388	389	389	396
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	297	109	14	18	8	3	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		69					
DE Florida	CPI	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	423	576	2,065	3,771			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	268	135	140	145	151	157	163
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2,043	1,244	14	14	15	15	16
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				30	89	241	354
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	3	0					
DE Florida	CPI	Transmission	PEF Transmission Expansion GG - Disston to Largo 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		15	66	269	625	788	
DE Florida	CPI	Transmission	PEF Transmission Expansion GG - Disston to Largo 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			23	118	284	365	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		495	122	5	5	5	6
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		117	38	2	2	2	3
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				68	226	223	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				3	3	5	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	12	29	394	180	21	22	23
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		5	176	82	10	10	11
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		0	(7)	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		0	(3)	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		171	177	184	191	148	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			5	37	93	102	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			2	17	44	48	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						22	54
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						11	25
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				14	87	304	297
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				7	41	142	139
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					39	116	125
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					18	54	58
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	2	65	0				
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						3	8
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						2	4
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1	1	1	1	1	1
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	717	2,374	2,720				
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		319	658				
DE Florida	CPI	Transmission	PEF Transmission Expansion GG Disston to 40th Street	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	0	72	75	78	40		
DE Florida	CPI	Transmission	PEF Transmission Expansion GG Disston to 40th Street 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		64	539	2,002	1,536		
DE Florida	CPI	Transmission	PEF Transmission Expansion GG Disston to 40th Street 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		30	252	938	720		
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	0	136	324	208			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		28	115	81			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				30	105	223	326
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				14	49	105	153
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	2	630					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		40	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		19	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			1	25	140	269	487
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			1	12	65	126	228
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		27	28	29	30	31	32
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			1	23	183	169	580
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			0	11	86	79	272
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		0	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1	2	2	2	2	2
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	4	343					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		47					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		22					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	158	78					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	19	164	170	176	183	126	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					25	71	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					12	33	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		0	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	169	315	325	337	350	363	377
DE Florida	CPI	Transmission	[redacted]	PEF Model Depr Group Transmission	Elec - Transmission Plant	Unassigned - PEF		9	9	10	10	10	11
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	3	42	15	23	33	18	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		15	7	11	16	8	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	2,954	5,354	516				
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		263	50				
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	35	403	1,095	5	24	25	26
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		163	486	3	11	12	12
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1	1	1	1	1	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1	0	0	0	0	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					14	61	100
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					7	28	47
DE Florida	CPI	Transmission	PEF Transmission Expansion GG New Source to Alachua 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		7	115	476	330	190	200
DE Florida	CPI	Transmission	PEF Transmission Expansion GG New Source to Alachua 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		3	54	223	154	89	94
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	648						
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	8						
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	60	31	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		6	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				30	122	452	339
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				14	57	212	159
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						41	99
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						19	46
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			23	44	52	243	126
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			11	21	24	114	59
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	(6)	49	2	2	5	0	
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF						11	26
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	31	55					
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	110	0	0	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF			25				
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF						26	
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF					52		
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		1	49	81	85	88	91
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		13					
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		0	2				
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		11	190				
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	315	101	16	15	14	12	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1 SPP	Elec - Transmission Plant	Unassigned - PEF	7	2					25
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		131	262	525			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				1	11	157	350
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		23	174	0	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		0	27	348	0	0	0
DE Florida	CPI	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	71	25	10	9			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	30	25					
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	11	37	3	5	5	5	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1	1	3	3	3	
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		4	59	332			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2	28	156			
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF	415	558	564	564	564	564	564
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Towers & Fixtures 354 SPP	Elec - Transmission Plant	Unassigned - PEF	61	67	67	67	67	67	67
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	585	285	37	28	16	20	
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				8	129		
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	24	12	10	9			
DE Florida	CPI	Transmission	[redacted]	PEF Distribution Station Equip 362.0 SPP	Elec - Distribution Plant	Unassigned - PEF	13	0					32
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF			53				
DE Florida	CPI	Transmission	[redacted]	PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF		15					
DE Florida	CPI	Transmission	[redacted]	PEF Distribution General Plant Stores Equip 393.0	Elec - General Plant	Unassigned - PEF		88	80	89	89	89	96
DE Florida	End Bal: CWIP	Customer Connect	PEF Customer Connect Sept 2021 15 yr VS	PEF Customer Connect 15yr	Elec - Intangible Plant	Unassigned - PEF	2,759	2,759	2,759	2,759	2,759	2,759	2,940
DE Florida	End Bal: CWIP	Customer Delivery	PEF Customer Fleet Electrification Clusters	PEF Distribution Install - EV Charging Station 370.7	Elec - Distribution Plant	Unassigned - PEF	512	512	512	512	512	512	512
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				1	2	3	3

							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				1	1	2	2
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				1	2	3	3
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF				0	1	1	1
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				1	2	3	3
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				1	2	2	2
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF				0	1	2	2
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_Cust Adds_Mthly_IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF				0	1	1	1
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		47	101	123	146	169	169
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		32	68	84	99	115	115
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		41	88	108	128	148	148
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		15	32	40	47	54	54
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		46	98	119	141	164	164
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		34	74	90	107	124	124
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		21	45	56	66	76	76
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist Maint_OthT&D_IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		12	27	32	38	45	45
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	241	42	6	1	1	1	1
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops HB Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	5,782	1,009	141	30	30	30	30
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK Capacity-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	2,017	2,017	2,017	2,017	2,017	2,017	2,017
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	6,695	7,104	7,518	8,241	8,982	9,741	9,741
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		278	559	1,049	1,552	2,067	2,067
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		359	722	1,355	2,005	2,670	2,670
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		131	264	496	734	978	978
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		397	798	1,499	2,217	2,952	2,952
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		300	603	1,132	1,674	2,230	2,230
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-369	PEF Distribution U/G Services 369.2	Elec - Distribution Plant	Unassigned - PEF		185	372	698	1,032	1,375	1,375
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Expansion Field Ops IK New Cust-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		108	217	407	602	802	802
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	32,972	14	19	21	26	29	29
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	104	10	13	14	18	19	19
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		12	17	18	23	25	25
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		5	6	7	8	9	9
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		14	19	20	25	28	28
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		10	14	15	19	21	21
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		6	9	9	12	13	13
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance HW-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		4	5	5	7	8	8
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	76,578	77,030	77,487	77,944	78,433	78,962	78,962
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		307	617	927	1,259	1,618	1,618
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		396	797	1,197	1,626	2,089	2,089
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		145	292	439	596	765	765
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		438	881	1,324	1,798	2,310	2,310
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		331	666	1,000	1,358	1,745	1,745
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		204	410	617	837	1,076	1,076
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance IK-370	PEF Smart Grid - AMI Meters	Elec - Distribution Plant	Unassigned - PEF		119	240	360	489	628	628
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Maintenance TB	PEF Distribution Gen. Plant Tool Shop/Gar. Eq. -New- 394.1	Elec - General Plant	Unassigned - PEF	6,451	6,543	6,639	6,738	6,839	6,943	6,943
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Poles Towers & Fixtures SPP - 364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	40,962						
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution Smart Grid - Infrastructure	PEF Distribution Gen. Plant Commun Equip-New 397.0	Elec - General Plant	Unassigned - PEF	34	34	34	34	34	34	34
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	2,234	2,234	2,234	2,234	2,234	2,234	2,234
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SPP_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		393	664	967	1,259	1,538	1,538
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SPP_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		469	791	1,153	1,502	1,835	1,835
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SPP_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF	39	449	730	1,046	1,350	1,641	1,641
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2023-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	112,688		236	236	236	236	236
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2023-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF			281	281	281	281	281
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2023-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF			246	246	246	246	246
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2025-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		3,413	15,998			18	18
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2025-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		4,071	19,081			22	22
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_2025-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		3,555	16,662			19	19
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF	746	10,241	275	1,486	236	271	271
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		11,325	318	1,763	280	321	321
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_Annual-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF	126	10,016	279	1,541	245	281	281
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		3,182	17,362				
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		3,795	20,708				
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_GridMod_SPP_2025-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		3,314	18,083				
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SOG_SPP_2023-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	15,221						
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	791	60,330					
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		71,015					
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2024-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		62,012					
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		1,936	78,943				
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		2,309	94,157				
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_2025-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		2,016	82,221				
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF	26,618	26,456	26,128	70,383	172,417	321,140	321,140
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		(193)	(585)	52,199	180,295	357,682	357,682
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_IK_SubOpt_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		(169)	(511)	45,582	157,439	312,339	312,339
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		12	25	36	48	60	60
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		15	30	43	57	71	71
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		13	26	38	50	62	62
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF				88	178	271	
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF				105	213	324	
DE Florida	End Bal: CWIP	Customer Delivery	PEF Distribution_LA_Veg Mgmt_SPP_Annual-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF				91	186	283	
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-353	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				7,031	29,531		
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				188	788		
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF				656	2,756		
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF				281	1,181		
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF				94	394		
DE Florida	End Bal: CWIP	Customer Delivery	PEF Dist_MajProj_CustomerFleetElec 2027-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF				1,125	4,725		
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance SA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	10,474	509	796	481	62	1	1
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.1	PEF Distribution General Plant Cars 392.1	Elec - General Plant	Unassigned - PEF		5	9	12	15	18	18
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.2	PEF Distribution General Plant Light Trucks 392.2	Elec - General Plant	Unassigned - PEF		31	63	84	103	123	123
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.3	PEF Distribution General Plant Heavy Trucks 392.3	Elec - General Plant	Unassigned - PEF		15	31	41	51	61	61
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.4	PEF Distribution General Plant Special Equip 392.4	Elec - General Plant	Unassigned - PEF		32	64	86	106	126	126
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance TC-392.5	PEF Distribution General Plant Trailers 392.5	Elec - General Plant	Unassigned - PEF		33	67	89	110	131	131
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance TC-396	PEF Distribution Gen. Plant Power Oper Equip 396.0	Elec - General Plant	Unassigned - PEF		28	57	76	94	111	111
DE Florida	End Bal: CWIP	Customer Delivery	PEF Other Yates Maintenance VS - 303	PEF Other Yates Maintenance VS	Elec - Intangible Plant	Unassigned - PEF	33	264	181	232	246	246	246
DE Florida	End Bal: CWIP	Customer Services	PEF Customer Maintenance - Intangible VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	5,259						
DE Florida	End Bal: CWIP	Customer Services	PEF Customer Maintenance Facilities SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	3,894						
DE Florida	End Bal: CWIP	Customer Services	PEF Customer Meters IK	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF	960						
DE Florida	End Bal: CWIP	Distributed Energy Solutions	PEF DES Exp Cust Sol TA	PEF Distribution General Plant Struct & Improv 390.0	Elec - General Plant	Unassigned - PEF	68	68	68	68	68	68	68
DE Florida	End Bal: CWIP	EHS and Coal Combustion Products	PEF Ash Strategy ABSAT	PEF Ash Strategy ECRC Crystal River ABSAT	Elec - Steam Production Plant	Crystal River 4&5	1	1					
DE Florida	End Bal: CWIP	FERC Interconnection	PEF FERC Interconnection	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	2,037						
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	60	0	0				
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-362	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF		60	178	156	171	204	204
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0	Elec - Distribution Plant	Unassigned - PEF		41	121	106	116	139	139
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0	Elec - Distribution Plant	Unassigned - PEF		53	156	137	149	179	179
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-366	PEF Distribution U/G Conduit 366.0	Elec - Distribution Plant	Unassigned - PEF		19	57	50	55	66	66
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-367	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF		58	173	151	165	198	198
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-368	PEF Distribution Line Transformers 368.0	Elec - Distribution Plant	Unassigned - PEF		44	130	114	125	150	150
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-369	PEF Distribution O/H Services 369.1	Elec - Distribution Plant	Unassigned - PEF		27	80	70	77	92	92
DE Florida	End Bal: CWIP	Grid Solutions	PEF Dist_MajProj_OthT&D_Mthly-370	PEF Distribution Meters 370.0	Elec - Distribution Plant	Unassigned - PEF		16	47	41	45	54	54
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions - H&R_Mthly-364	PEF Distribution Poles Towers & Fixtures 364.0 SPP	Elec - Distribution Plant	Unassigned - PEF		1	7	19	31	31	31
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions - H&R_Mthly-365	PEF Distribution O/H Conduct & Devices 365.0 SPP	Elec - Distribution Plant	Unassigned - PEF		2	8	22	37	37	37
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions - H&R_Mthly-368	PEF Distribution Line Transformations 368.0 SPP	Elec - Distribution Plant	Unassigned - PEF		1	7	19	32	32	32
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Advanced DMS Dec 21 VS	PEF Grid Solutions Advanced DMS-303.1	Elec - Intangible Plant	Unassigned - PEF	29,414	588	12	0	0	0	0
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Advanced DMS VS	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF	1,817	183	157	68	42	1	1
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Circuit Reliability IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	405	405	405	405	405	405	405
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Communication Monthly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	98	0					
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Communication Monthly RR - 360	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF	3,403	0					
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Communications Quarterly RR	PEF RUSD Communication	Elec - Other Production Plant	Unassigned - PEF	70,150	163	373	247	269	193	193
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Dist Energy Enablement & Storage VS	PEF Grid Solutions Ent Sys Intang-5 Year	Elec - Intangible Plant	Unassigned - PEF	7,581	240	72	19	1	0	0
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Ent App VS - 303	PEF Grid Solutions Advanced DMS - 303	Elec - Intangible Plant	Unassigned - PEF		42	223	98	85	11	11
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Maintenance Grid Mod VS	PEF Corporate 2008 Misc Intangible 303	Elec - Intangible Plant	Unassigned - PEF	662	662	662	662	662	662	662
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Self Optimizing Monthly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	8,170	8,170	8,170	8,170	8,170	8,170	8,170
DE Florida	End Bal: CWIP	Grid Solutions	PEF Grid Solutions Targeted Undergrounding Qtrly IK	PEF Distribution U/G Conduct & Devices 367.0	Elec - Distribution Plant	Unassigned - PEF	14,456	14,456	14,456	14,456	14,456	14,456	14,456
DE Florida	End Bal: CWIP	Grid Solutions	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1,071	1,071	1,071	1,071	1,071	1,071	1,071
DE Florida	End Bal: CWIP	Grid Solutions	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	(558)						
DE Florida	End Bal: CWIP	Integrated Grid Strategy	PEF IGS Exp Other OU	PEF Market Solutions Expansion	Elec - Distribution Plant	Unassigned - PEF	62	62	62	62	62	62	62
DE Florida	End Bal: CWIP	Integrated Grid Strategy	PEF IGS Exp Outdoor Lighting IK	D DIS 373-ZZ-STREET LIGHT&SIG-50226	Elec - Distribution Plant	Unassigned - PEF	4,295	4,295	4,295	4,295	4,295	4,295	4,295
DE Florida	End Bal: CWIP	Integrated Grid Strategy	PEF Solar Exp Battery BY - Bartow 2025	PEF Solar Growth Battery	Battery	Unspecified						49,806	
DE Florida	End Bal: CWIP	Integrated Grid Strategy	PEF Solar Growth Battery BY - 2024 Dixie County	PEF Solar Growth Battery	Battery	Unspecified			3,900				
DE Florida	End Bal: CWIP	Integrated Grid Strategy	PEF Solar Growth Battery BY - CR Powerline	PEF Solar Growth Battery	Battery	Unspecified				7,969	108,092		
DE Florida	End Bal: CWIP	Nuclear	PEF Nuclear Maintenance	D INT 303-Passport-Nuc Asset -50220	Elec - Intangible Plant	Unassigned - PEF	(37,569)	(37,569)	(37,569)	(37,569)	(37,569)	(37,569)	(37,569)
DE Florida	End Bal: CWIP	Nuclear	PEF Nuclear New Gen COLA	PEF Model Depr Group Nuclear 0%	Elec - Nuclear	Levy Nuclear	31	31	31	31	31	31	31
DE Florida	End Bal: CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	49,898	53,102					
DE Florida	End Bal: CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		41,804					
DE Florida	End Bal: CWIP	Other Departments (Jamil)	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		19,582					
DE Florida	End Bal: CWIP	Project Management and Construction	[redacted]	PEF Transmission Major Projects CC 2018	Elec - Transmission Plant	Unassigned - PEF	1	1	1	1	1	1	1
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Citrus 1&2 BG	PEF CITRUS CC 343.1	Elec - Other Production Plant	CITRUS CC	17,982	17,982	17,989	19,022	19,053	19,053	19,053
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maint Rotables Hines 2 BG	PEF Hines 2 343.1	Elec - Other Production Plant	Hines 2				1	1	1	1
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam	1,558	1,050	1,066	537	495	551	551
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam		766	1,942	2,641	2,463	2,754	2,754
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam		542	1,375	1,869	1,743	1,950	1,950
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam		132	335	456	425	475	475
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam		34	86	116	109	122	122
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	2,527	1,863	998	725	531	345	345
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-341	PEF Bartow 341 CC	Elec - Other Production Plant	Bartow CC		848	1,455	2,027	2,995	3,892	3,892
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-342	PEF Bartow 342 CC	Elec - Other Production Plant	Bartow CC		391	670	934	1,379	1,792	1,792
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-343	PEF Bartow 343 CC	Elec - Other Production Plant	Bartow CC		4,569	7,835	10,917	16,129	20,962	20,962
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-344	PEF Bartow 344 CC	Elec - Other Production Plant	Bartow CC	601	888	1,001	1,252	1,730	2,156	2,156
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-345	PEF Bartow 345 CC	Elec - Other Production Plant	Bartow CC		367	629	877	1,295	1,683	1,683
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CC BG-346	PEF Bartow 346 CC	Elec - Other Production Plant	Bartow CC	14,192	10,670	5,964	4,951	4,485	3,652	3,652
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	375	375	375	375	375	375	375
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Bartow CT BG-341	PEF Bartow 341	Elec - Other Production Plant	Bartow CT	190	190	190	190	190	190	190
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	22,668	18,719	16,015	9,028	5,003	3,271	3,271
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-341	PEF Citrus CC Struct & Improv 341	Elec - Other Production Plant	CITRUS CC	158	615	1,222	1,726	2,092	2,373	2,373
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-342	PEF Citrus CC 342	Elec - Other Production Plant	CITRUS CC	1,136	1,915	3,044	3,810	4,404	4,909	4,909
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-343	PEF Citrus CC 343	Elec - Other Production Plant	CITRUS CC		2,971	6,816	10,211	12,628	14,427	14,427
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-344	PEF Citrus CC 344	Elec - Other Production Plant	CITRUS CC		72	164	246	304	347	347
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-345	PEF Citrus CC 345	Elec - Other Production Plant	CITRUS CC		514	1,180	1,767	2,186	2,497	2,497
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Citrus CC BA-346	PEF Citrus CC 346	Elec - Other Production Plant	CITRUS CC		25	57	86	107	122	122
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-311	PEF CR4&5 Struct & Improv 311	Elec - Steam Production Plant	Crystal River 4&5	7,166	4,730	3,709	2,512	2,316	2,247	2,247
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-312	PEF CR4&5 Boiler 312	Elec - Steam Production Plant	Crystal River 4&5	2,567	5,704	6,683	6,298	6,742	7,027	7,027
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-314	PEF CR4&5 Turbogenerator 314	Elec - Steam Production Plant	Crystal River 4&5		892	1,191	1,201	1,315	1,384	1,384
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-315	PEF CR4&5 Access. Elec Equip 315	Elec - Steam Production Plant	Crystal River 4&5		480	642	647	709	746	746
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR 4&5-316.1	PEF CR4&5 Misc 316.1	Elec - Steam Production Plant	Crystal River 4&5		104	139	140	154	162	162
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance CR Common BA	PEF CR1&2 Turbogenerator 314	Elec - Steam Production Plant	Crystal River Coal	2,813	2,813	2,813	2,813	2,813	2,813	2,813
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New					59	71	71
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New					71	85	85
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New					789	946	946
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New					204	244	244
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New					70	84	84
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary 7-10 BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New					12	14	14
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-341	PEF Debary new 341	Elec - Other Production Plant	Debary CT New	8,886	7,640	7,380	7,212	7,049	6,890	6,890
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-342	PEF Debary new 342	Elec - Other Production Plant	Debary CT New		243	293	326	358	389	389
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-343	PEF Debary new 343	Elec - Other Production Plant	Debary CT New		621	750	834	915	994	994
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-344	PEF Debary new 344	Elec - Other Production Plant	Debary CT New		185	224	249	273	297	297
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-345	PEF Debary new 345	Elec - Other Production Plant	Debary CT New		165	199	221	243	264	264
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Debary BG-346	PEF Debary new 346	Elec - Other Production Plant	Debary CT New		33	40	44	49	53	53
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG	PEF Hines 1 345	Elec - Other Production Plant	Hines 1	12,210	8,715	2,501	2,073	1,148	642	642
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-341	PEF Hines 1 341	Elec - Other Production Plant	Hines 1		2,157	1,529	1,485	1,242	1,102	1,102
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-342	PEF Hines 1 342	Elec - Other Production Plant	Hines 1		617	437	425	355	315	315
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-343	PEF Hines 1 343	Elec - Other Production Plant	Hines 1		8,149	5,776	5,608	4,692	4,162	4,162
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-344	PEF Hines 1 344	Elec - Other Production Plant	Hines 1		1,537	1,089	1,058	885	785	785
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-345	PEF Hines 1 345	Elec - Other Production Plant	Hines 1		1,585	1,123	1,091	913	810	810
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 1 BG-346	PEF Hines 1 346	Elec - Other Production Plant	Hines 1		356	252	245	205	182	182
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-341	PEF Hines 2 341	Elec - Other Production Plant	Hines 2	3,800	2,879	2,533	393	375	399	399
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-342	PEF Hines 2 342	Elec - Other Production Plant	Hines 2		252	249	253	242	261	261
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-343	PEF Hines 2 343	Elec - Other Production Plant	Hines 2		3,068	3,031	3,076	2,948	3,182	3,182
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-344	PEF Hines 2 344	Elec - Other Production Plant	Hines 2		742	733	744	713	770	770
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-345	PEF Hines 2 345	Elec - Other Production Plant	Hines 2		378	374	379	363	392	392
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 2 BG-346	PEF Hines 2 346	Elec - Other Production Plant	Hines 2		59	59	59	57	62	62
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	275	60	43	14	(37)	(0)	(0)
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-341	PEF Hines 3 341	Elec - Other Production Plant	Hines 3		26	212	116	86	112	112
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-342	PEF Hines 3 342	Elec - Other Production Plant	Hines 3		35	282	154	115	149	149
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-343	PEF Hines 3 343	Elec - Other Production Plant	Hines 3		257	2,095	1,147	853	1,109	1,109
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-344	PEF Hines 3 344	Elec - Other Production Plant	Hines 3		125	1,023	560	417	541	541

							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-345	PEF Hines 3 345	Elec - Other Production Plant	Hines 3		54	437	239	178	231	231
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 3 BG-346	PEF Hines 3 346	Elec - Other Production Plant	Hines 3	128	33	64	31	18	23	23
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-341	PEF Hines 4 341	Elec - Other Production Plant	Hines 4	1,525	595	732	465	275	189	189
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-342	PEF Hines 4 342	Elec - Other Production Plant	Hines 4		80	178	180	128	102	102
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-343	PEF Hines 4 343	Elec - Other Production Plant	Hines 4		1,448	3,223	3,263	2,327	1,845	1,845
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-344	PEF Hines 4 344	Elec - Other Production Plant	Hines 4		485	1,080	1,093	779	618	618
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-345	PEF Hines 4 345	Elec - Other Production Plant	Hines 4		275	612	619	442	350	350
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Hines 4 BG-346	PEF Hines 4 346	Elec - Other Production Plant	Hines 4		91	203	206	147	116	116
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 341	PEF Inter City old P1-6 341	Elec - Other Production Plant	Inter City old P1-6	2,910	1,756	1,347	1,059	1,000	948	948
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 342	PEF Inter City old P1-6 342	Elec - Other Production Plant	Inter City old P1-6		130	176	208	215	221	221
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 343	PEF Inter City old P1-6 343	Elec - Other Production Plant	Inter City old P1-6		721	976	1,156	1,192	1,225	1,225
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 344	PEF Inter City old P1-6 344	Elec - Other Production Plant	Inter City old P1-6		115	155	184	189	195	195
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 345	PEF Inter City old P1-6 345	Elec - Other Production Plant	Inter City old P1-6		144	195	231	239	245	245
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P1-6 346	PEF Inter City old P1-6 346	Elec - Other Production Plant	Inter City old P1-6		45	61	72	75	77	77
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 341	PEF Inter City P12-14 341	Elec - Other Production Plant	Inter City P12-14	508	403	330	32	7	7	7
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 342	PEF Inter City P12-14 342	Elec - Other Production Plant	Inter City P12-14		5	9	25	26	26	26
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 343	PEF Inter City P12-14 343	Elec - Other Production Plant	Inter City P12-14		72	121	325	336	342	342
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 344	PEF Inter City P12-14 344	Elec - Other Production Plant	Inter City P12-14		18	31	82	84	86	86
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 345	PEF Inter City P12-14 345	Elec - Other Production Plant	Inter City P12-14		10	16	44	45	46	46
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P12-14 346	PEF Inter City P12-14 346	Elec - Other Production Plant	Inter City P12-14		0	0	1	1	1	1
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 341	PEF Inter City new P7-10 341	Elec - Other Production Plant	Inter City New P7-10	4	0	0		1	1	1
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 342	PEF Inter City new P7-10 342	Elec - Other Production Plant	Inter City New P7-10		0	0		1	1	1
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 343	PEF Inter City new P7-10 343	Elec - Other Production Plant	Inter City New P7-10		2	2		8	8	8
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 344	PEF Inter City new P7-10 344	Elec - Other Production Plant	Inter City New P7-10		1	1		2	2	2
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 345	PEF Inter City new P7-10 345	Elec - Other Production Plant	Inter City New P7-10		0	0		1	1	1
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Inter City BG P7-10 346	PEF Inter City new P7-10 346	Elec - Other Production Plant	Inter City New P7-10		0	0		0	0	0
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG	PEF Osprey CC 346	Elec - Other Production Plant	Osprey	1,558	979	871	826	807	685	685
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-341	PEF Osprey CC 341	Elec - Other Production Plant	Osprey	22,247	16,033	14,618	13,564	12,763	10,919	10,919
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-342	PEF Osprey CC 342	Elec - Other Production Plant	Osprey		398	423	477	526	629	629
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-343	PEF Osprey CC 343	Elec - Other Production Plant	Osprey		5,195	5,528	6,230	6,870	8,207	8,207
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-344	PEF Osprey CC 344	Elec - Other Production Plant	Osprey	267	1,073	1,112	1,218	1,317	1,521	1,521
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-345	PEF Osprey CC 345	Elec - Other Production Plant	Osprey		1,176	1,252	1,411	1,556	1,858	1,858
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Osprey BG-346	PEF Osprey CC 346	Elec - Other Production Plant	Osprey		252	268	302	333	398	398
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-341	PEF Suwannee 341	Elec - Other Production Plant	Suwannee	9,103	7,303	6,625	6,506	4,969	4,886	4,886
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-342	PEF Suwannee 342	Elec - Other Production Plant	Suwannee		226	311	326	518	529	529
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-343	PEF Suwannee 343	Elec - Other Production Plant	Suwannee		1,018	1,401	1,469	2,338	2,385	2,385
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-344	PEF Suwannee 344	Elec - Other Production Plant	Suwannee		257	353	370	589	601	601
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-345	PEF Suwannee 345	Elec - Other Production Plant	Suwannee		226	311	326	519	530	530
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Suwannee BG-346	PEF Suwannee 346	Elec - Other Production Plant	Suwannee		74	101	106	169	172	172
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-341	PEF Tiger Bay 341	Elec - Other Production Plant	Tiger Bay CC	1,351	1,505	1,300	240	240	230	230
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-342	PEF Tiger Bay 342	Elec - Other Production Plant	Tiger Bay CC		177	202	110	110	111	111
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-343	PEF Tiger Bay 343	Elec - Other Production Plant	Tiger Bay CC		928	1,061	579	579	583	583
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-344	PEF Tiger Bay 344	Elec - Other Production Plant	Tiger Bay CC		340	388	212	212	214	214
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-345	PEF Tiger Bay 345	Elec - Other Production Plant	Tiger Bay CC		283	323	176	176	178	178
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Tiger Bay BG-346	PEF Tiger Bay 346	Elec - Other Production Plant	Tiger Bay CC		55	63	34	34	35	35
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-341	PEF Univ of Florida 341	Elec - Other Production Plant	University of Florida CT	2,858	2,744	1,559	1,856	1,020	984	984
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-342	PEF Univ of Florida 342	Elec - Other Production Plant	University of Florida CT		93	164	431	322	321	321
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-343	PEF Univ of Florida 343	Elec - Other Production Plant	University of Florida CT		444	787	2,062	1,543	1,538	1,538
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-344	PEF Univ of Florida 344	Elec - Other Production Plant	University of Florida CT		85	151	396	296	295	295
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-345	PEF Univ of Florida 345	Elec - Other Production Plant	University of Florida CT		89	157	411	307	306	306
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Maintenance Univ of Florida BG-346	PEF Univ of Florida 346	Elec - Other Production Plant	University of Florida CT		22	39	102	77	76	76
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-311	PEF Anclote Struct & Improv 311	Elec - Steam Production Plant	Anclote Steam				127	518	1,120	1,120
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-312	PEF Anclote Boiler 312	Elec - Steam Production Plant	Anclote Steam				637	2,596	5,607	5,607
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-314	PEF Anclote Turbogenerator 314	Elec - Steam Production Plant	Anclote Steam				451	1,837	3,969	3,969
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-315	PEF Anclote Access. Elec Equip 315	Elec - Steam Production Plant	Anclote Steam				110	448	967	967
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Recv-Env Anclote BA-316.1	PEF Anclote Misc 316.1	Elec - Steam Production Plant	Anclote Steam				28	115	247	247
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Fossil Hydro Reg Solar - 344	PEF Solar Growth Charlie Creek	Elec - Production Solar	Charlie Creek Solar		213	963	1,025	1,091	1,162	1,238
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG	PEF Bartow CT 2&4-346	Elec - Other Production Plant	Bartow CT 2&4	4,300						
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF RRE Maint Bartow CT 2&4 BG-343	PEF Bartow CT 2&4-343	Elec - Other Production Plant	Bartow CT 2&4	186						
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Solar Lake Placid Maint - 344	PEF Solar Growth Lake Placid	Elec - Production Solar	Lake Placid Solar	78	78	78	78	78	78	78
DE Florida	End Bal: CWIP	Regulated & Renewable Energy	PEF Solar Perry Maint - 344	PEF Perry Solar 344	Elec - Other Production Plant	Perry Solar	176	176	176	176	176	176	176
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Reg Other - Other Maintenance	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	21,648						
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Reg Other Facilities Maint SA	D GEN 390 5Z-STRUCT & IMPROVE-50220	Elec - General Plant	Unassigned - PEF	(30)						
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Reg Other IT Spend TD	PEF Reg Other IT-Office Equip	Elec - General Plant	Unassigned - PEF	264						
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Solar Exp Battery BY - Vision FL	PEF Solar Growth Battery	Battery	Unspecified		23,123					
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Vision FL 2023 - DeBary Hydrogen	PEF Solar Growth Battery	Battery	Unspecified	8,145	23,907					
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Vision FL 2023 - Hines Floating	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	676						
DE Florida	End Bal: CWIP	Regulated Utility Other	PEF Vision FL 2024 - UCF Research	PEF Solar Growth Battery	Battery	Unspecified	29	2,560	2,560				
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar - Transmission	PEF Solar Growth Transmission	Elec - Production Solar	Unspecified	42,837	42,837	42,837	42,837	42,837	42,837	42,837
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar 2018 - Hamilton	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar	1,330	1,122	915	697	493	348	348
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar 2018 - Hamilton 344	PEF Solar Growth Hamilton	Elec - Production Solar	Hamilton Solar				217	422	566	566
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2021 Santa Fe	PEF Solar Growth Santa Fe	Elec - Production Solar	Santa Fe Solar	101	101	101	101	101	101	101
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2022 BY - Dolphin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	1,689	1,689	1,689	1,689	1,689	1,689	1,689
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2022 BY - Fort Green 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	55	55	55	55	55	55	55
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2022 BY - Hardeetown 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	96,218						
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2023 BY - Bay Ranch 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	96,636						
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2023 BY - Hildreth 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	103,133						
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2023 BY- High Springs 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	83,805						
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Falmouth	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	5,788	83,788					
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Mule Creek	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	20,199	107,787					
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Spring Ridge	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	4,457	78,461					
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2024 BY - Winquepin	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF	10,861	114,109					
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2024 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		22,020	176,677				
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2025 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF		22,020	136,566				
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2026 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF			22,909	229,091			
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2027 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF				22,816	228,159		
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth 2028 BY 344	PEF Other Solar Growth 344	Elec - Production Solar	Unassigned - PEF					22,726	227,260	
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth Battery BY - Jennings	PEF Solar Growth Battery	Battery	Unspecified	97	97	97	97	97	97	97
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth Battery BY - Micanopy	PEF Solar Growth Battery	Battery	Unspecified	663	663	663	663	663	663	663
DE Florida	End Bal: CWIP	Renewable Generation	PEF Solar Growth Battery BY - Trenton	PEF Solar Growth Battery	Battery	Unspecified	33	33	33	33	33	33	33
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	1,787						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		2					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				1			
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF					4	5	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				2	10		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF		23	41				
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF				1	20		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	1	74	76	639			
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion EE_Ross Prairie-Shaw	PEF Transmission Easements 350.1	Elec - Transmission Plant	Unassigned - PEF	2	60	119				
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	182	182	182	439	1,804	17,412	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF					2,318	5,244	5,244
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF			981	1,406	9,135	12,563	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	20	20	20	20	20	20	20
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	1,330	1,330	1,330	1,330	1,330	1,330	1,330
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	16,640						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	9,982	9,995	10,007	10,020	10,032	10,045	10,703
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	11,897	42	30	38	17	7	7
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion FF Stations - Mondon Hill	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	15,022	18,275	102,029				
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	92,535	360	383	408	434	462	492
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				1,899	2,861	10,865	
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG - Disston to Largo 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	398	398	6,401	9,149	41,009		
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG - Disston to Largo 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			2,812	4,099	19,023		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	6,440	18,998	129	129	129	129	129
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		5,883	60	60	60	60	60
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				4,285	8,077		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				167	148		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	473	1,319	18,672	564	564	564	564
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		396	8,525	264	264	264	264
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		5	29	0	0	0	0
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2	14	0	0	0	0
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	4,427	4,427	4,427	4,427	4,427		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			611	2,276	2,885		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			286	1,066	1,351		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						1,411	1,411
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						661	661
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				905	4,153	13,107	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				424	1,945	6,140	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					2,476	3,785	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					1,160	1,773	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	9,662	0					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						213	213
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						100	100
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	18	18	18	18	18	18	18
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	44,894	92,422					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		20,915					
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG Disston to 40th Street	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,896	1,896	1,896	1,896			
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG Disston to 40th Street 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		4,541	43,509	78,653			
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG Disston to 40th Street 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		2,127	20,381	36,843			
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	2,007	4,789	12,374				
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1,303	4,856				
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				1,882	3,948	8,212	8,212
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				881	1,849	3,847	3,847
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	50,378						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		3	3	3	3	3	3
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		1	1	1	1	1	1
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			411	3,508	5,598	21,962	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			193	1,643	2,622	10,288	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	678	678	678	678	678	678	678
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			319	4,263	11,845	15,334	15,334
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			150	1,997	5,548	7,183	7,183
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	18,536						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	12,258						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	4,269	4,269	4,269	4,269	4,269		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					1,589		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					744		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	1,717	1,773	1,887	2,008	2,138	2,275	2,425
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	2,001						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	127,826	171,710					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		16,720					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	1,435	22,775	35,198	629	629	629	629
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		9,996	15,816	295	295	295	295
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF					877	2,568	2,568
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF					411	1,203	1,203
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG New Source to Alachua 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		1,096	5,490	21,090	5,061	5,061	5,061
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG New Source to Alachua 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		513	2,572	9,879	2,371	2,371	2,371
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	35,244						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	202						
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG Ross Prairie-Shaw 355	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				6,192	30,680		
DE Florida	End Bal: CWIP	Transmission	PEF Transmission Expansion GG Ross Prairie-Shaw 356	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				2,900	14,372		
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	472		2	2	2	2	2
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			1	1	1	1	1
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF				1,877	4,982	21,137	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF				879	2,334	9,901	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF						2,571	2,571
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF						1,204	1,204
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF			1,029	1,221	1,364	9,736	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF			482	572	639	4,561	
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	6,685						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF						663	663
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	8,024						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	3,971	3	3	3	3	3	3
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		253	2,087	2,087	2,087	2,087	2,087
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		4					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Distribution Easements 360.1	Elec - Distribution Plant	Unassigned - PEF		929					
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	11,623						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1 SPP	Elec - Transmission Plant	Unassigned - PEF	709	709	709	709	709	709	709
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF				78	554	9,053	9,053
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	0	1,474		1	1	1	1
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF		167	1,164		0	0	0
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission (Excl. ECC) 353.1	Elec - Transmission Plant	Unassigned - PEF	2,854						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF	3,206						
DE Florida	End Bal: CWIP	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF	4,201						

							a-2022	2023	2024	2025	2026	2027	2028
							6.679.690	6.985.662	6.975.575	7.248.817	6.563.674	6.910.271	
Planning Entity	PPLT: CWIP Amount Type	CAP B2: Model Project -> Cap B2: Model Project Management Function of CAP B2: Model Project	CAP B2: Model Project	CAP B2: Model Depr Group	CAP B2: Model Depr Group -> FERC Function of CAP B2: Model Depr Group	CAP B2: Model Depr Group -> Generating Plant of CAP B2: Model Depr Group	a-2022	2023	2024	2025	2026	2027	2028
DE Florida	**End Bal: CWIP**	Transmission	[redacted]	PEF Transmission Poles & Fixtures 355.0	Elec - Transmission Plant	Unassigned - PEF		887	2,690	18,767			
DE Florida	**End Bal: CWIP**	Transmission		PEF Transmission O/H Conduct.& Devices 356.0	Elec - Transmission Plant	Unassigned - PEF		415	1,260	8,791			
DE Florida	**End Bal: CWIP**	Transmission		PEF Transmission Poles & Fixtures 355.0 SPP	Elec - Transmission Plant	Unassigned - PEF	14,591	14,591	14,591	14,591	14,591	14,591	14,591
DE Florida	**End Bal: CWIP**	Transmission		PEF Transmission Towers & Fixtures 354 SPP	Elec - Transmission Plant	Unassigned - PEF	1,695	1,695	1,695	1,695	1,695	1,695	1,695
DE Florida	**End Bal: CWIP**	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	39,871						
DE Florida	**End Bal: CWIP**	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF				476			
DE Florida	**End Bal: CWIP**	Transmission		PEF Distribution Station Equip 362.0	Elec - Distribution Plant	Unassigned - PEF	1,107						
DE Florida	**End Bal: CWIP**	Transmission		PEF Distribution Station Equip 362.0 SPP	Elec - Distribution Plant	Unassigned - PEF	910	910	910	910	910	910	910
DE Florida	**End Bal: CWIP**	Transmission		PEF Transmission Energy Control Center 353.2	Elec - Transmission Plant	Unassigned - PEF	0						
DE Florida	**End Bal: CWIP**	Transmission		PEF Distribution General Plant Stores Equip 393.0	Elec - General Plant	Unassigned - PEF	2,548	2,548	2,548	2,548	2,548	2,548	2,548

Exhibit RA-6:

Benjamin Borsch Deposition Transcript (Excerpted)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: PETITION FOR RATE INCREASE BY DUKE ENERGY FLORIDA, LLC.

DOCKET NO. 20240025-EI

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VOLUME II
(Pages 70 through 185)

VIDEO-TELECONFERENCE
DEPOSITION OF BENJAMIN BORSCH
(Taken on behalf of the Office of Public Counsel)

DATE TAKEN: May 30, 2024
TIME: 8:30 a.m. - 6:03 p.m.
PLACE: Zoom

Examination of the witness taken before:

JESSICA RENCHEN, Court Reporter
On Behalf of
For The Record Reporting

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Also Present:

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Bart Fletcher

INDEX OF WITNESS

WITNESS	PAGE
BENJAMIN BORSCH	
Continued Examination by Ms. Wessling	74
Examination by Mr. Thompson	133
Examination by Ms. Amiel	144

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INDEX OF EXHIBITS

NUMBER	DESCRIPTION	PAGE
2	Numerical Inputs to Schedule F5	95
3	Revised Schedule 8	102
4	Update of Schedule F6	130
5	Update of Schedule F7	131

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CERTIFICATE OF OATH	182
REPORTER'S PAGE	183
READ & SIGN LETTER	184
ERRATA SHEET	185

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think you do this. There we go. Okay.

THE WITNESS: Oh, yes. Okay.

MS. AMIEL: Great. Thank you.

BY MS. AMIEL:

Q. If you can look at page 5, the spreadsheet. Just let me know when you're ready?

A. Okay. One second. Page 5. Is there a section that you're particularly wanting? I'm just hunting here. Three, four, six. I'm sorry. Five. Okay. Yes. Okay. Go ahead.

Q. Okay. This spreadsheet does not assign any capacity value to solar resources in the winter; is that correct?

A. That is correct.

Q. So do solar resources provide some capacity in the winter during the peak time?

A. As I mentioned earlier, the peak hour in the wintertime is considered to be the hour between 7:00 and 8:00 a.m. Typically -- and that's in January, mind you. So typically that is the hour during which the sun is rising in January.

Consequently, there is a percentage or two of contribution from the solar. But we believe that it was reasonable and conservative for the purposes of our planning to assume that that number was zero.

Q. What about the secondary peak in the afternoon that you referred to earlier?

A. Well, we are not really planning for that peak because it's smaller than the one in the morning. So we're planning for it, but in the sense that it's not driving our planning decisions.

Q. Okay.

A. The winter peak is defined to be that one in the morning.

Q. So at that time in the morning, is there -- I'm just looking back at what we said earlier, but okay, so the peak is about 7:00 to 8:00 a.m. Is there ever -- there's never sun that's risen at that point?

There isn't -- Do you have any document that shows what the capacity part of the solar units are around that time?

A. We have performance data presumably. But the -- again, what we know both from history and also from the analysis of the performance projections is that that number is quite small. It's less than 5%. It's probably 2 or 3%. It does vary quite a bit across, say, that period around from say Christmas to Valentine's Day because you're moving through time.

So again, as I say, the conservative assumption to maintain reliability was to assume that

2% equals zero.
Q. Is it possible that it's as high as 5%?
A. Not consistently, especially if you look at the very beginning of January, the end of December you're talking about periods where it's quite dark at that time of day.
Q. Okay. So you're saying it's around 2% to 3% in average?
A. I don't want to stick to that number, but it's in the general vicinity of significantly less than 5%.
Q. Okay. But Duke has not done any analysis showing that the firm capacity value for solar in the winter is zero, correct?
A. We have not done a specific analysis on that note, that is an assumption, which is we believe is close enough to accurate. Again, our planning process is naturally conservative because we have to serve load.
Q. Okay. So if it's naturally conservative, would the 25% summary value, could that possibly also be an underestimate?
A. Again, yes, that's a conservative response to the number that we have, the data that we have and we're not -- we're trying to be as close to accurate

Exhibit RA-7:

Reginald Anderson Deposition Transcript (Excerpted)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO.: 20240025-EI

In re: Petition for Rate Increase by Duke Energy, Florida, LLC. ____/ FILED May 15, 2024

VOLUME II (Pages 110-236)

DEPOSITION OF REGINALD ANDERSON

Taken on Behalf of:

CITIZENS OF THE STATE OF FLORIDA

DATE: Friday, May 24, 2024

TIME: 8:30 a.m. - 3:52 p.m.

PLACE: Via Zoom Video-Conference

Stenographically Reported Remotely by:

Deborah Alff, RPR

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APPEARANCES CONTINUED:

Also Present:

Anthony Salvarezza
Mark Fletcher
Monique Hampton
Bernadette Howard
Julia Kitt
Tina Lopez
Sarah Lewis
James Dauphinais

Q. Okay. So you don't know whether there's any other planned solar capacity additions by 2034 that are not reflected in this chart, in the attachment?

A. That's correct.

Q. Okay. Could you please turn to page five of that attachment? And let me know when you're there. And that has Bates number ending in 33.

A. Okay. Yeah, I think I'm there.

Q. So this shows solar resources in the winter among other things, correct?

A. Oops. Just a second here. Winter load resources, yeah. Yes.

Q. So this table doesn't assign any capacity value to solar resources in the winter, correct, we just see null values for that section of the table?

A. Yes.

Q. Why is that? Don't Duke's solar resources provide any capacity in the winter?

A. That would be a question for Ben Borsch and the forecasting team.

Q. Okay. So you don't, you don't know the answer to that one?

A. No. I don't know why it's shown this way, no.

Q. Okay. So I'll ask Mr. Borsch that question.

Staying in this attachment, if we go back to

Exhibit RA-8:

EPA, Final Carbon Pollution Standards to Reduce Greenhouse Gas Emissions from Power Plants (April 5, 2024)

Final Carbon Pollution Standards to Reduce Greenhouse Gas Emissions from Power Plants

April 25, 2024

Outline

- Overview
- Details about the Final Rules
  - New Source Performance Standards (NSPS)
  - Emission Guidelines
  - State Plan Development
  - Other Elements
- Summary of Benefits, Costs, and Economic Impacts
- Environmental Justice
- Support for Reliability

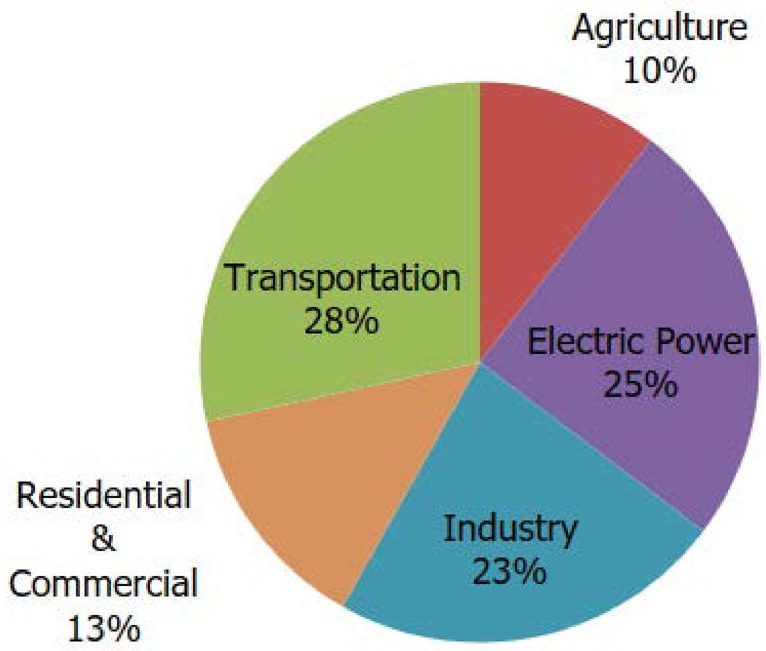
Overview

On April 25, EPA issued final carbon pollution standards for power plants that will protect public health and reduce harmful pollutants.

The **power sector is the largest stationary source of greenhouse gases** (GHGs). In 2022, the sector emitted 25 percent of the overall domestic emissions.

The rules address climate pollution from **existing coal-fired power plants**, which continue to be the largest source of greenhouse gas emissions from the power sector, and ensure that **new combustion turbines**, some of the largest new sources of CO_2 being built today, are constructed to minimize GHG emissions.

Total U.S. Greenhouse Gas Emissions by Economic Sector in 2022



EPA (2024). Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2022 U.S. Environmental Protection Agency, EPA 430R-24004. https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2022.

Overview

Types of fossil fuel-fired power plants covered by this final rule

- New, modified, and reconstructed sources – Covered under 111(b)
  - New and reconstructed gas-fired combustion turbines
  - Modified coal-fired steam generating units
- Existing sources – Covered under 111(d)
  - Coal-, oil-, and gas-fired steam generating units

Technology-based standards

- Consistent with EPA's traditional approach to establishing pollution standards under the Clean Air Act, the final limits and emission guidelines are based on proven control technology.
- Emission guidelines for the longest-running existing coal units and standards for heavily-utilized new gas units are based on carbon capture and sequestration/storage (CCS) – an available and cost-effective control technology that can be applied directly to power plants to significantly limit carbon dioxide (CO2) emissions.

Reduces climate and other health-harming pollution

- The climate and health benefits of this rule significantly outweigh the compliance costs.
- Between 2024 and 2047, the regulatory impact analysis projects net climate and health benefits systemwide of $370 billion, which is an annualized net benefit of $20 billion.
- Expected to avoid up to 1.38 billion metric tons of CO2 systemwide through 2047

Overview

Builds on decades of technology advancements and momentum from recent changes in the sector created by the Inflation Reduction Act and the Bipartisan Infrastructure law

- Leverages the clean energy incentives and opportunities provided in the Inflation Reduction Act

Provides utilities options for meeting these standards as well as the time needed to plan and invest for compliance and continue to support a reliable supply of affordable electricity.

Compliance date is January 1, 2032, for the longest-running existing coal-fired steam generating units and heavily utilized new combustion turbines

- Includes two optional reliability-related instruments that states can consider including in their state plans

Through the state planning process, communities will have an opportunity to be heard about the future of individual plants in their neighborhoods.

- States, in developing plans for existing coal sources, will need to describe their meaningful engagement with affected stakeholders
- Includes communities disproportionately burdened by pollution and climate change impacts, as well the energy communities and workers who have powered our nation for generations

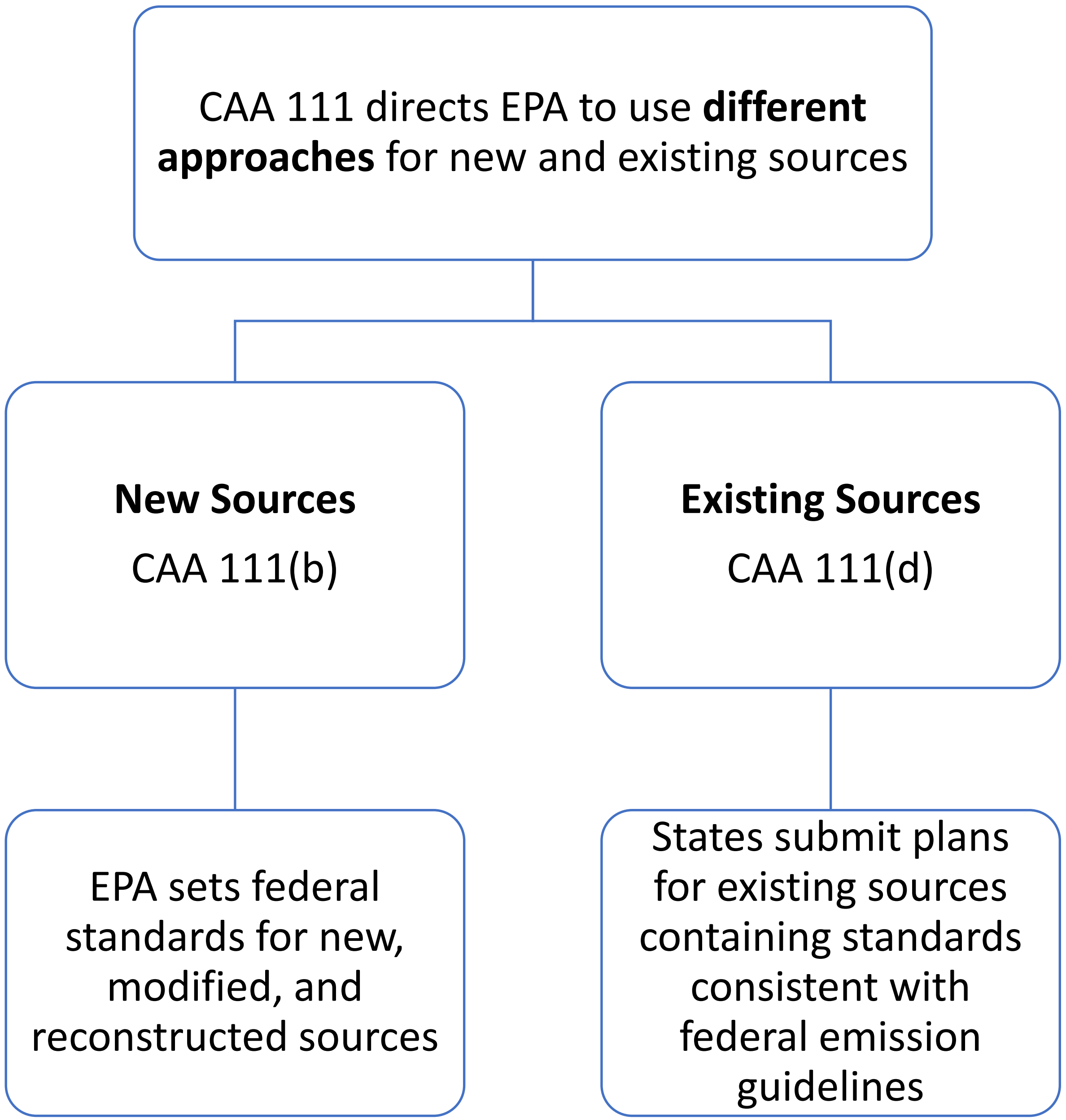
Summary of Final Standards and Guidelines

- **New gas-fired combustion turbines:**
  - Base load turbines (>40% capacity factor): initial "phase one" standard based on efficient operation of combined cycle turbine; "phase two" standard based on 90% capture of CO_2 with a compliance deadline of Jan. 1, 2032
  - Intermediate turbines (between 20% and 40% capacity factor): standard based on efficient operation of simple cycle turbine
  - Low load turbine (less than 20% capacity factor): standard based on low-emitting fuel
- **Existing coal-fired steam EGUs:**
  - "Long-term" units (plan to operate on or after Jan. 1, 2039): standard based on 90% capture of CO_2 with a compliance deadline of Jan. 1, 2032
  - "Medium-term" units (plan to operate on or after Jan. 1, 2032, with a commitment to cease operation before Jan. 1, 2039): standard based on 40% co-firing with natural gas with a compliance deadline of Jan. 1, 2030
  - Units that commit to cease operation by Jan. 1, 2032 are not subject to the rule
- **Existing oil and natural gas-fired steam EGUs:**
  - Standards based on routine operation and maintenance, with different levels of stringency for base load, intermediate, and low load units

Key Changes Since Proposal

- Existing coal-fired steam generating units
  - Two subcategories for existing coal-fired steam generating units – instead of four as proposed
    - "Long-term" units – plan to operate on or after Jan. 1, 2039
    - "Medium-term" units – plan to operate on or after Jan. 1, 2032 and permanently cease operation before Jan. 1, 2039
  - Providing an applicability exemption for units that plan to permanently cease operation by January 1, 2032
  - Extending the compliance date from January 1, 2030, to January 1, 2032, for existing coal-fired steam generating units to meet a standard of performance based on implementation of 90% CCS
- New combustion turbines
  - Have expanded applicability of most stringent "base load" standard to units operating above 40% capacity factor
  - Have moved compliance deadline for CCS-based standard for base load units to 2032 (was 2035 at proposal)
  - Have removed low-GHG hydrogen co-firing as a BSER pathway for base load and intermediate units
  - Minor changes to "phase one" efficiency-based standards for base load and intermediate units
- Adjustments for reliability
  - Revised subcategories, longer compliance timeframe for CCS installation, a suite of compliance options
  - Addition of two reliability-related instruments as an additional layer of safeguard to support power companies, grid operators, and states in maintaining the reliability of the electric grid during the implementation of these final rules.
- EPA is not finalizing proposed requirements for existing fossil fuel-fired stationary combustion turbines.

Clean Air Act Section 111



Final Standards for New Stationary Combustion Turbines

- Clean Air Act Section 111(b)
- For source categories that cause or contribute significantly to air pollution which may reasonably be anticipated to endanger public health or welfare, CAA section 111 requires EPA to establish standards of performance for new sources
- Standards must be set based on what is achievable through the application of the best system of emission reduction (BSER)
  - Cost (must not be "exorbitant," "greater than the industry can bear," or "unreasonable")
  - Non-air quality health and environmental impacts
  - Energy requirements
  - Control measures that have been adequately demonstrated

Final Standards for New Stationary Combustion Turbines

- Standards effective from date of proposal publication (May 23, 2023)
- Three subcategories: base load, intermediate load, low load
- Standards are technology neutral, affected sources may comply with it by co-firing hydrogen

Upon Startup → **Phase 2: 2032**

New Stationary Combustion Turbines

Base Load:
Capacity Factor > 40%

- Upon Startup: BSER: Highly efficient combined cycle generation
  - Size > 2,000 MMBtu/h: 800 lb CO_2/MWh
  - Size < 2,000 MMBtu/h: 800-900 lb CO_2/MWh
- Phase 2: 2032: BSER: 90% CCS by Jan. 1, 2032
  - Standard: 100 lb CO_2/MWh

Intermediate Load:
Capacity Factor 20% to <= 40%

- BSER: Highly efficient simple cycle generation
  - 1,170 lb CO_2/MWh

Low Load:
Capacity Factor <= 20%

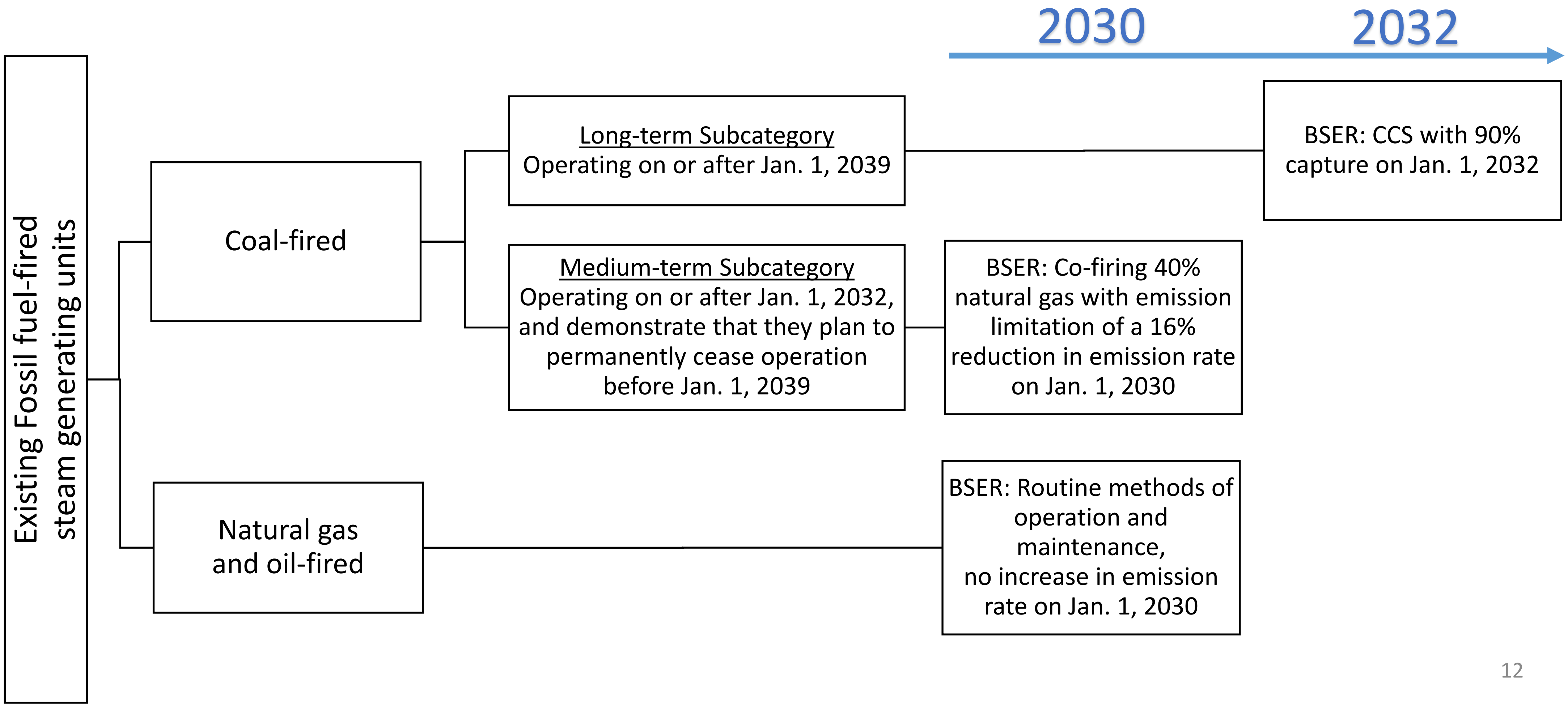
- BSER: Use of lower-emitting fuels
  - <160 lb CO_2/MMBtu

Final Emission Guidelines for Existing Fossil Fuel-Fired Sources

- Clean Air Act Section 111(d)
- Required in certain circumstances once EPA issues New Source Performance Standards for new, modified and reconstructed sources.
- Do not impose requirements directly on sources.
- Inform states as they develop, submit and implement required plans that set standards for existing sources.
- Emission standards must be set based on what is achievable through the application of the best system of emission reduction (BSER)

Final Emission Guidelines for Existing Steam Generating Units

- Two subcategories for existing coal-fired units, depending on operating horizon: (1) Units operating on or after Jan. 1, 2039 and (2) Units that are operating on or after Jan. 1, 2032, and demonstrate they plan to permanently cease operation before Jan. 1, 2039
- Units that demonstrate they plan to permanently cease operations before Jan. 1, 2032 are not subject to these standards



State Plans for FINAL Emission Guidelines

State Plan Submission Deadline

- Submission within 24 months after publication of the final emissions guidelines

State Plan Components

- Requirements specific to these emission guidelines to ensure transparency, including a website hosted by EGU owners/operators to publish documentation and information related to compliance with the state plan

Compliance Deadlines

- January 1, 2030, or January 1, 2032, depending on subcategory
- Compliance must be demonstrated annually
- States may include a mechanism in their plans to extend the compliance date by up to one year for affected EGUs installing a control technology that experience and subsequently provide documentation of a delay entirely outside of the owner/operator’s control (e.g., permitting- or construction-related) that makes it impossible to commence compliance by the compliance deadline

Meaningful Engagement

- General implementing regulations (Subpart Ba) apply, and require states to describe their meaningful engagement with pertinent stakeholders, including communities that are most affected by and vulnerable to emissions from these EGUs, and reliability authorities
- Helps ensure that the priorities, concerns and perspectives of these communities are heard during the planning process

State Plans for Final Emission Guidelines

Presumptive Standards of Performance

- For each subcategory, EPA has determined a BSER and degree of emission limitation and is providing a corresponding methodology for establishing presumptively approvable standards of performance
- Expressed as rate-based emission limitations (i.e., limitations on the amount of a regulated pollutant that can be emitted per unit of output, per unit of energy or material input, or per unit of time)

Remaining Useful Life and Other Factors (RULOF)

- As provided in subpart Ba, under certain circumstances, states may apply a less stringent standard to a particular source based on that source's remaining useful life and other factors
- RULOF is intended as a limited variance from the EPA's determinations to address unusual circumstances at particular facilities

Increments of Progress (IoPs) and Reporting Obligations

- Will serve as clear, transparent, and enforceable implementation checkpoints between state plan submittal and the compliance dates. Similarly, reporting obligations for affected EGUs that have demonstrated they plan to permanently cease operating provide transparency to stakeholders
- States may generally choose the calendar dates for their IoPs

State Plans for Final Emission Guidelines

Compliance Flexibilities

- States may incorporate compliance flexibilities, such as emission averaging, trading, and unit-specific mass-based compliance, into their state plans, subject to parameters laid out by EPA in the emission guidelines, including:
    - For mass-based compliance flexibilities, EPA is requiring the use of a backstop emission limitation applied to individual sources
    - EPA is providing a presumptively approvable methodology for unit-specific mass-based compliance for affected EGUs in the long-term coal-fired subcategory
- If a state chooses to incorporate compliance flexibilities into their state plans, the state must demonstrate that the plan achieves a level of emission reduction equivalent to each source individually achieving their rate-based standard of performance, and the state must document and justify any assumptions underlying the calculation of the aggregate standard of performance or mass limit/budget
- EPA believes that the use of compliance flexibilities, within the parameters specified in the emission guidelines, can create an incentive for overperformance and may also provide some additional operational flexibility to states and affected EGUs in achieving the required level of emission reduction

Other Elements

- EPA is also simultaneously taking other actions, including
  - finalizing revisions to the NSPS for GHG emissions from fossil fuel-fired steam generating units that undertake a large modification, based upon the eight-year review required by the Clean Air Act;
  - repealing the "Affordable Clean Energy (ACE) rule" that was finalized in 2019 under the previous Administration; and
  - withdrawing the changes proposed to the NSPS for coal in 2018 under the previous Administration.
- EPA is not taking final action on the May 2023 proposed emission guidelines for existing combustion turbines. We are working to design a broader, more environmentally-protective approach to GHG regulation of the entire fleet of existing combustion turbines. EPA is taking this step as part of the comprehensive approach to regulation of climate, toxic and criteria air pollution from combustion turbines. As part of a robust stakeholder outreach effort, we issued framing questions and are gathering input through a non-regulatory docket that is open through May 28, 2024. Details are available at Nonregulatory Public Docket: Reducing Greenhouse Gas Emissions from Existing Gas Turbines at Power Plants.

Emissions changes, benefits, and costs

- EPA evaluated the national emissions changes, benefits and costs in a Regulatory Impact Analysis (RIA). The RIA presents systemwide information.
- Estimates are presented two ways – as present values (PV) and equivalent annualized values (EAV). The PV is the costs or benefits over the timeframe from 2024 to 2047. The EAV represents the value for each year of the analysis.
- Over the years from 2024 to 2047, EPA estimates net benefits of **$370 billion**. This includes:
  - **$270 billion** in climate benefits
  - **$120 billion** in health benefits (PM and ozone)
  - **$19 billion** in compliance costs
- For a single year, the net benefits are **$20 billion**. This includes:
  - **$14 billion** in climate benefits
  - **$6.3 billion** in health benefits (PM and ozone)
  - **$0.98 billion** in compliance costs

Emissions changes

Aggregate emission cuts from 2028-2047

- The Regulatory Impact Analysis projects reductions of 1.38 billion metric tons of CO_2 systemwide over the 2028 to 2047 timeframe along with tens of thousands of tons of $PM_{2.5}$, SO_2, and NO_x – harmful air pollutants that are known to endanger public health.

Snapshot of emissions changes

- In 2035, the power sector systemwide would emit
- 123 million metric tons less CO_2
- 49,000 tons less annual NO_x
- 19,000 tons less ozone season NO_x
- 90,000 tons less SO_2
- 1,000 tons less direct $PM_{2.5}$
- About 200 pounds less mercury

Benefits and Costs – Snapshot Years

	2028	2030	2035	2040	2045
Climate Benefit	$8.4 billion	$11 billion	$30 billion	$14 billion	$12 billion
PM2.5 and O3-related Health Benefits	Up to $5.8 billion	Up to $4.0 billion	Up to $15 billion	Up to -$0.14 billion	Up to $8.2 billion
Total Benefits	$11 billion to $14 billion	$13 billion to $15 billion	$37 billion to $45 billion	$14 billion to $14 billion	$16 billion to $20 billion
Costs	-$1.3 billion	-$0.22 billion	$1.3 billion	$0.59 billion	$3.3 billion
Net Benefits	$12 billion to $15 billion	$13 billion to $16 billion	$36 billion to $44 billion	$13 billion to $13 billion	$12 billion to $17 billion

Environmental Justice

- EPA engaged on multiple occasions with environmental justice organizations and representatives of communities that are affected by fossil fuel-fired EGUs, several of whom raised significant concerns about raised significant concerns about the potential health, environmental, and safety impacts of CCS. The EPA takes these concerns seriously, agrees that CCS must be deployed in a manner that protects public health, safety and the environment, and has carefully considered these concerns as it finalized its determinations of the BSERs for these rules.
- Overall, EPA modeling found that the final rule will result in large reductions of both GHGs and other emissions that will have significant positive benefits. While baseline ozone and PM2.5 concentration will decline substantially relative to today's levels in virtually all areas of the country, there is the potential for some localized increases in emissions.
- However, a robust regulatory framework exists to reduce the risks of localized emissions increases and facilitate the safe transport of CO_2
  - The EPA plans to review and update as needed its guidance on NSR permitting, specifically with respect to BACT determinations for GHG emissions and consideration of co-pollutant increases from sources installing CCS
  - PHMSA is currently undertaking rulemaking to amend and enhance CO_2 pipeline safety regulations
- Further, the EPA will continue to prioritize engagement with stakeholders throughout this process and is committed to engaging with all stakeholders on opportunities to ensure that deployment of CCS is done in a responsible manner.
- Each state will ultimately be responsible for determining the future operation of existing fossil fuel-fired EGUs located within its jurisdiction, and EPA's meaningful engagement requirements ensure that all interested stakeholders will have an opportunity to have their concerns heard in the state planning process.

Support for Reliability

EPA developed a four-point plan to address reliability throughout the implementation period.

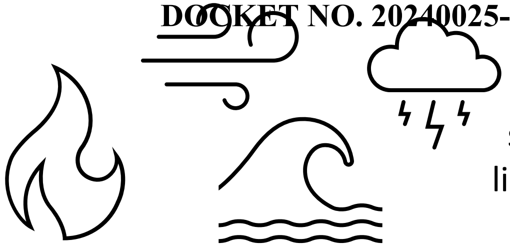
1) **Rule Structure**. EPA adjusted the compliance timeframe by 2 additional years for coal-fired units, to provide more time to install CCS, and streamlined the subcategories. The EPA is not regulating existing natural gas fired turbines at this time, which creates more time for a comprehensive approach, including for reliability.

2) **RULOF Provisions**. EPA articulated how states can use the Remaining Useful Life and Other Factors (RULOF) provisions to address reliability in state plans, as well as in state plan revisions, should circumstances change.

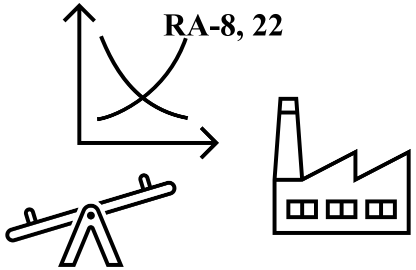
3) **Compliance Flexibilities**. Several important flexibilities are included: a flexible annual average compliance period, emissions trading/averaging, and mass-based compliance equivalency are allowed in circumstances that uphold the environmental integrity of the rule, and a 1-year compliance extension is available for new and existing units for implementation delays outside of the control the owner/operator.

4) **Reliability Mechanisms**. The final rule adds two optional reliability-related instruments as an additional layer of safeguards. A short-term mechanism to provide flexibility for units responding to grid emergencies and a reliability assurance mechanism for units with retirement dates with a documented and verified reliability need.

EPA completed analyses of the reliability and resource adequacy implications of these final rules, including high growth and combined regulation sensitivity analyses, that show these final rules can be implemented without adverse consequences for grid reliability. EPA will continue to engage extensively with all reliability related authorities.



Two Additional, Optional Mechanisms to Support Reliability



EPA's approach to supporting reliability is multifaceted, as it has always been. We listened to stakeholders and included adjustments to key provisions that will support planning and reliability -- like subcategories and time to meet the standards. We also added two reliability-related mechanisms that are voluntary for states to include in state plans for existing sources.

Short Term Mechanism		Reliability Assurance Mechanism
New or existing units during certain specified grid emergencies, like extreme weather events which can include hurricanes, wildfires, and winter storms.	**Who**	Existing units with cease operations dates.
Units responding to emergencies have access to greater compliance flexibility for those time periods.	**What**	Extensions can be granted extensions where there is a documented reliability need but is insufficient time for a state plan revision.
Short-lasting, mostly occurring over a few hours and in some rare instances can last for a few days.	**When**	Units have access to up to a 1-year extension – but no longer than what is substantiated through documentation.
A unit must submit documentation, for annual compliance purposes, demonstrating the hours in which it operated out of schedule due to a qualified grid emergency.	**How**	A unit must substantiate that is needed to maintain reliability and have fulfilled all reporting requirements.
Grid emergencies that qualify for flexibility under this mechanism are energy emergency alerts (EEA) as defined by the North American Reliability Corporation. EEA levels 2 and 3 qualify for flexibility under this mechanism	**More Details**	Extensions exceeding 1 year in duration must be addressed through a state plan revision. EPA will seek the advice of Federal Energy Regulatory Commission (FERC) for extensions longer than 6 months.

For More Information

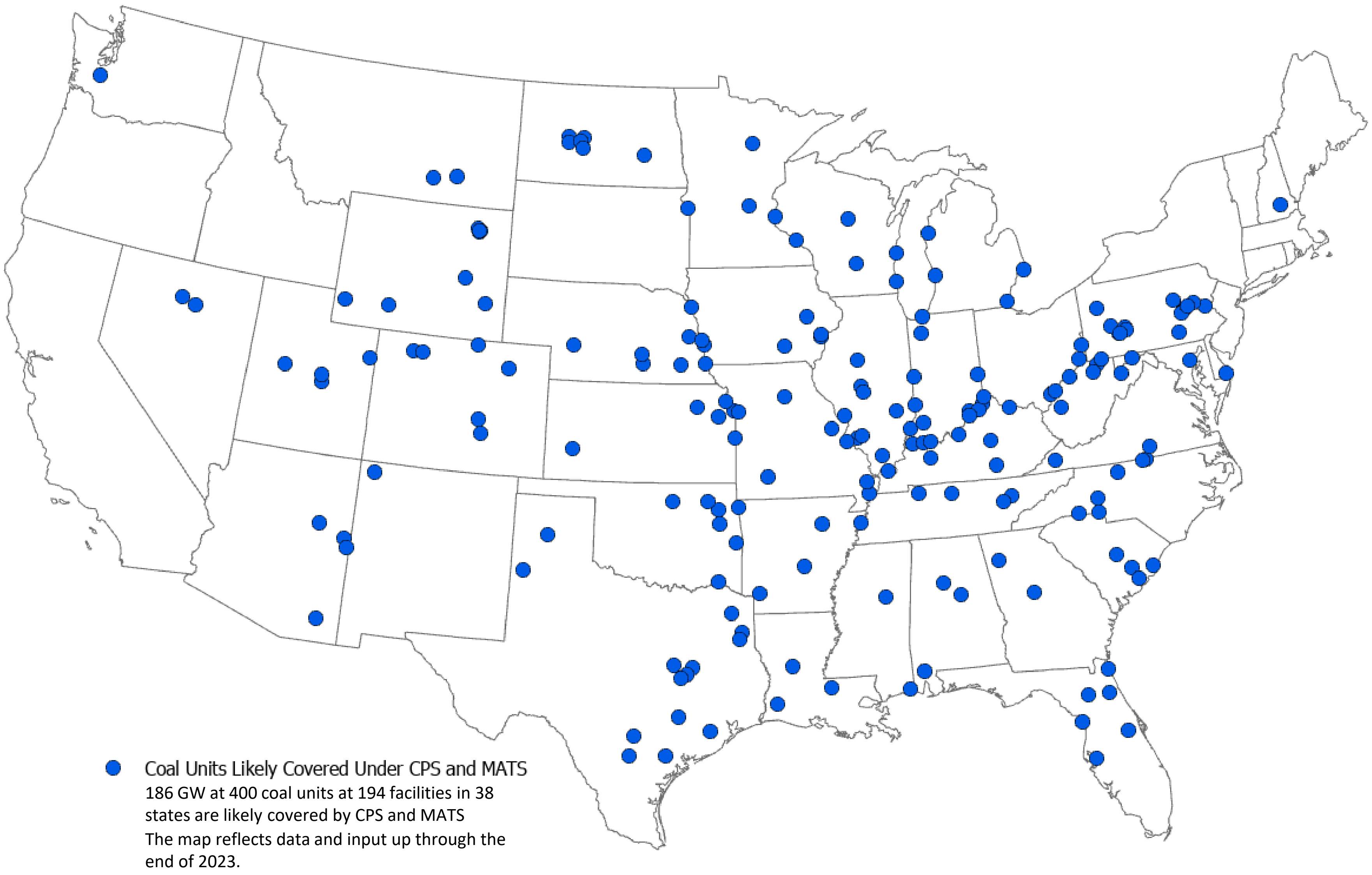
- Fact sheets and a copy of the final rule, RIA, and supporting documents are available at Greenhouse Gas Standards and Guidelines for Fossil Fuel-Fired Power Plants

THANK YOU

Appendix - Maps

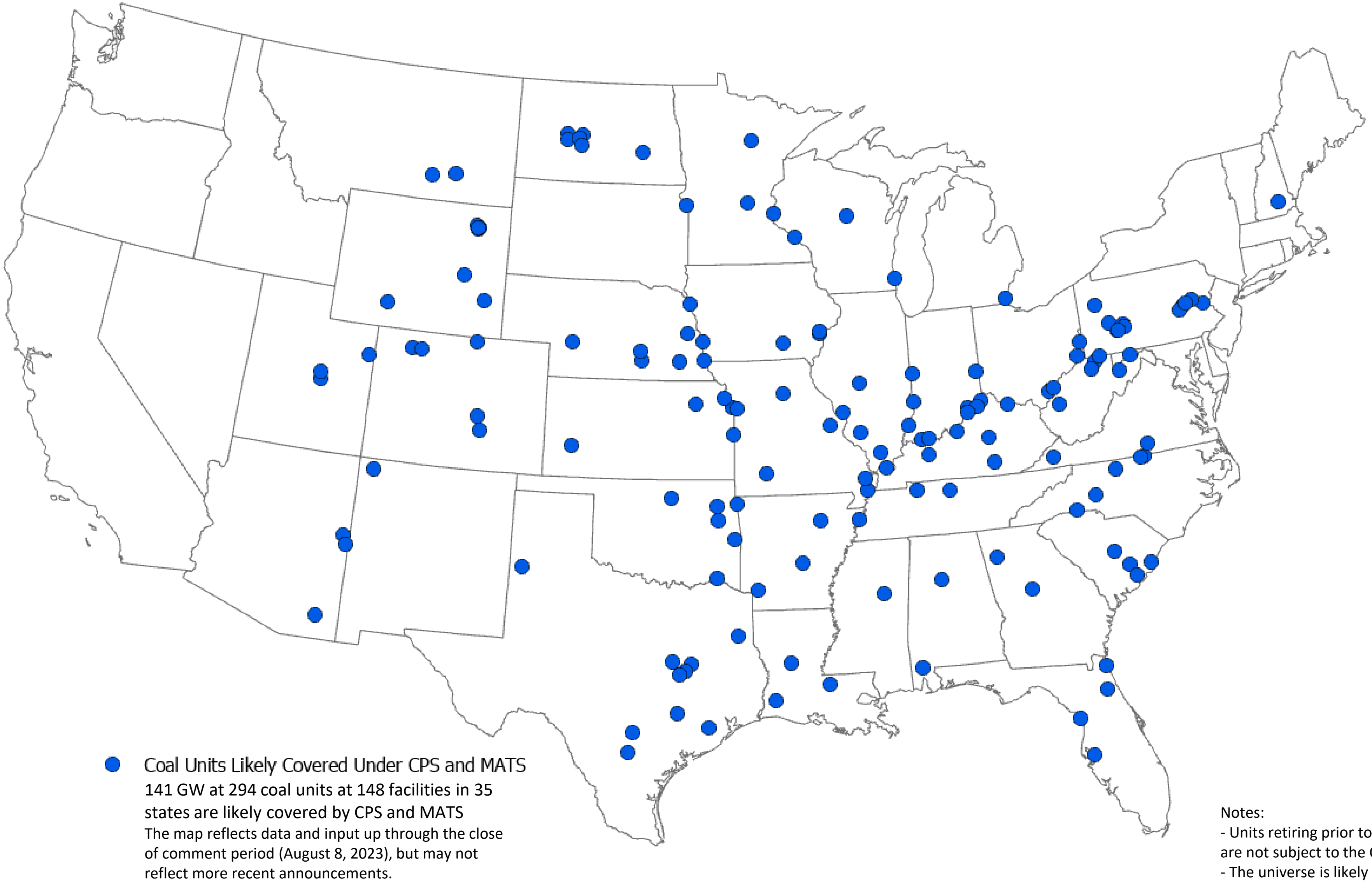
Potentially Covered Coal-Fired Units: 2023

- Today, about 186 GW of coal-fired power plants are operating nationwide, this is 38% less than 10 years ago.
- Many of these have announced plans to retire or convert to natural gas (see following maps)



Potentially Covered Coal-Fired Units: 2029

- This map shows units for which EPA is not aware of plans to retire or switch to natural gas by 2029.
- Over the next 5 years, EPA is aware of 45 GW that have announced plans to retire or convert to natural gas, leaving a coal-fired fleet of 141 GW.
- These plans to retire or change fuel are among the many factors states and power plant owners can consider as they make decisions about CPS subcategories and/or controls for these units.
- The units on this map may be likely to be in the medium-term or long-term CPS subcategories.



Notes:
- Units retiring prior to 2032 are not subject to the CPS rule
- The universe is likely smaller, as many plants do not announce retirement plans this far in advance

Potentially Covered Coal-Fired Units: 2039

- This map shows units for which EPA is not aware of plans to retire or switch to natural gas by 2039.
- Over the next 15 years, EPA is aware of 103 GW that have announced plans to retire or convert to natural gas, leaving a coal-fired fleet of 83 GW.
- Of the remaining coal-fired fleet, 36 GW will be over 60 years old by 2039.
- The units on this map may be even more likely to be in the medium-term or long-term CPS subcategories.

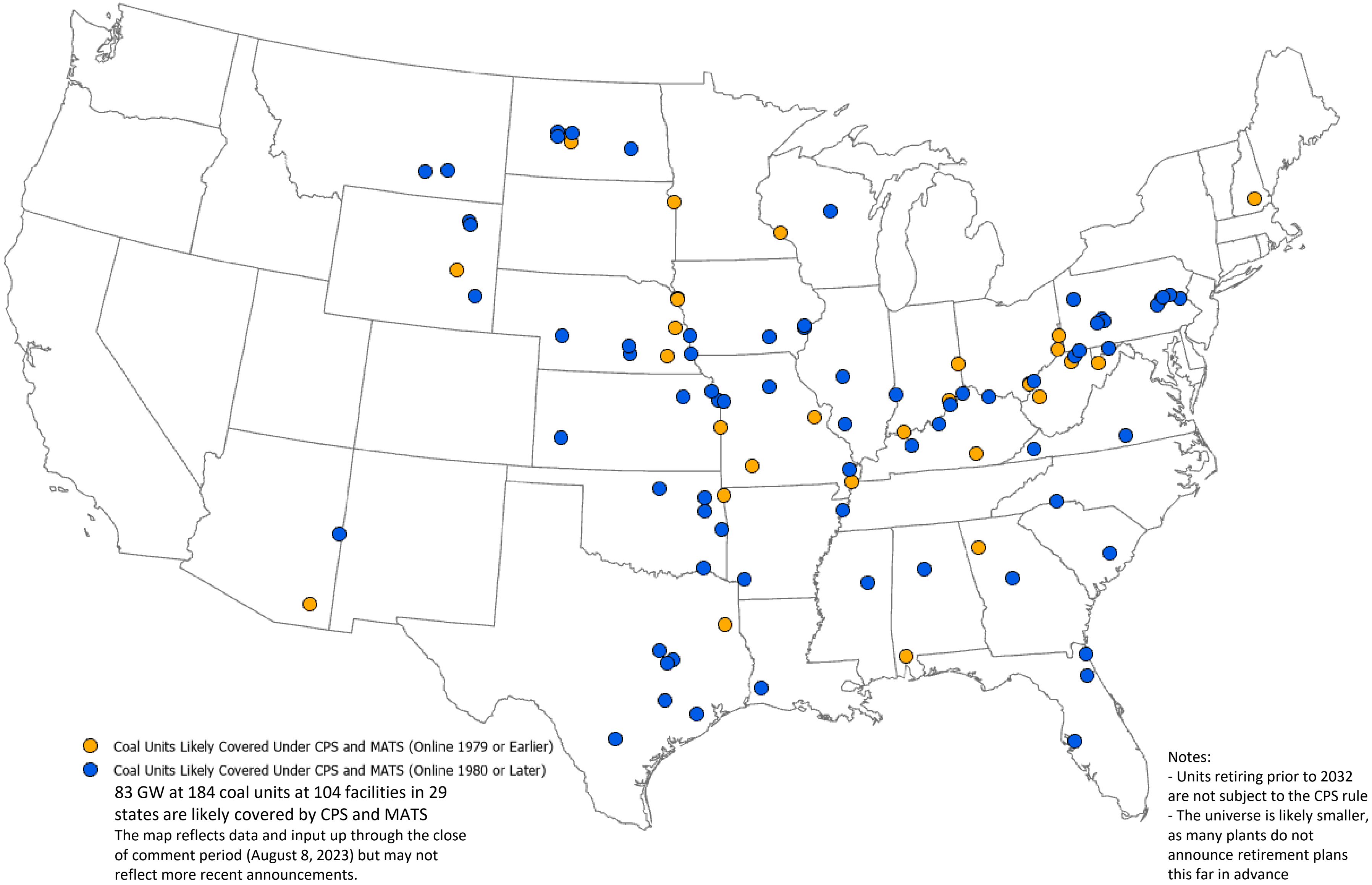


Exhibit RA-9:

Florida Reliability Coordinating Council, 2022 Load & Resource Reliability Assessment Report, FRCC-MS-PL-397

FRCC
2022 Load & Resource Reliability Assessment Report

FRCC-MS-PL-397

Version: 1

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Table of Contents Page

1.0 Purpose ... 4

2.0 Terms and Definitions ... 4

3.0 Responsibilities ... 4

4.0 Executive Summary ... 5

5.0 FRCC Reserve Margin Review ... 8

6.0 FRCC Resource Adequacy Criteria Review ... 13

7.0 FRCC Load Forecast Evaluation ... 19

8.0 FRCC Transmission ... 25

9.0 FRCC Fuel Reliability ... 26

10.0 FRCC Renewable Energy Resources ... 26

11.0 References ... 29

12.0 Review and Modification History ... 30

13.0 Disclaimer ... 30

1.0 Purpose

A key responsibility of the Florida Reliability Coordinating Council (FRCC) is to assess the planned reserve margin and resulting reliability of the Bulk Power System in the FRCC Region[1] to ensure resource adequacy as required by the Florida Public Service Commission (FPSC)[2].

As part of this annual assessment, the FRCC aggregates, and reviews forecasted load and resource data and identifies any expected planning reserve or reliability issues over the next ten years. The FRCC receives data annually from its members to develop the Regional Load & Resource Plan (RLRP). Based on the information contained in the RLRP as well as other FRCC reliability assessment processes, this Load & Resource Reliability Assessment Report (Reliability Assessment Report) is developed and submitted to the FPSC along with the RLRP.

The Reliability Assessment Report evaluates the projected reliability for the FRCC Region by analyzing Planned Reserve Margins, Loss of Load Probability (LOLP), Availability Factors (AF), and Forced Outage Rates (FOR). In addition, this report incorporates any potential reliability issues that may be encountered with varying system conditions (off peak) such as solar generation levels in Florida. This assessment may include insight from studies performed by the Resource Subcommittee (RS), Load Forecast Working Group (LFWG), Transmission Technical Subcommittee (TTS), Fuel Reliability Working Group (FRWG) and other operations planning groups.

2.0 Terms and Definitions

Terms are defined within the document.

3.0 Responsibilities

3.1 Resource Subcommittee (RS)

The RS is responsible for reviewing this document.

3.2 Load Forecast Working Group (LFWG)

The LFWG is responsible for reviewing this document.

3.3 Fuel Reliability Working Group (FRWG)

The FRWG is responsible for reviewing this document.

3.4 Transmission Technical Subcommittee (TTS)

The TTS is responsible for reviewing this document.

3.5 Planning Committee (PC)

The PC is responsible for the final approval of this document.

[1] As of January 1, 2022, the FRCC Region includes Gulf Power Company.
[2] FAC 25-6.035: Adequacy of Resources (https://www.flrules.org/gateway/ruleno.asp?id=25-6.035)

4.0 Executive Summary/Conclusion

In summary, the findings of the 2022 Reliability Assessment Report of the FRCC Region are:

- Electric service is projected to be reliable from[3] a resource adequacy perspective throughout the ten-year planning horizon, consistent with the following:
  - Reserve margins, including the use of Demand Side Management (DSM), for the FRCC Region for the summer and winter peak hours are projected to meet or exceed 20% for each year in the ten-year period, which is above the FRCC's minimum Reserve Margin Planning Criterion of 15%.
  - Reserve margin without DSM is declining over time, and this decline is coincident with an increase in intermittent and duration-limited resources. The region is increasingly dependent upon DSM and intermittent/duration-limited resources in the later years of the study period.
  - The results of the most recent (2022) Loss-Of-Load-Probability (LOLP) analysis of the period 2022-2026 reflect the expectation that the FRCC region will not exceed an LOLP level of 0.1 days per year during that timeframe, under the assumption that duration-limited resources perform as modeled under typical meteorological year weather conditions; an LOLP level of 0.1 days per year is commonly used in the power industry as a reliability criterion.
  - Projected low Forced Outage Rate (FOR) and high Availability Factor (AF) are largely due to the utilities' modernization and maintenance efforts.
  - Measuring traditional reserve margins over a seasonal peak hour, while highly beneficial, is anticipated to be subject to reduced applicability in the context of resource adequacy as the amount of intermittent and duration-limited generation synced to the FRCC system increases. Additional adequacy measurements that account for capacity and energy sufficiency across all hours of the day are being reviewed to better capture and communicate the long-term adequacy position of the FRCC as a whole. FRCC Members and staff continue to work on defining and evolving the standard practice for such calculations.
  - Specifically, the FRCC Board has directed the Resource Subcommittee and Load Forecast Working Group to coordinate across a wide range of expertise to better capture risks related to these emerging issues in the future. One current Resource Subcommittee effort is evaluating resource availability across two 24-hour periods around the summer and winter peak to evaluate the potential impacts on system peak hour and energy adequacy in the future as renewable resource installations continue to grow
  - The possibility of extreme weather events, the integration of increasing amounts of renewables and time duration limited storage onto the grid, the impacts of gradual electrification of transportation on future load, as well as the potential for natural gas supply disruptions are emerging issues that are being reviewed in terms of the broader resource adequacy discussions.

3 Effective January 1, 2022, Gulf Power was merged into FPL for ratemaking purposes. All projected information presented for the years 2022 through 2031 is for the single integrated system (FPL), moving Gulf's capacity, demand, and energy into the FRCC section. These transitional impacts have been specifically identified where practical. Historical data prior to 2022 excludes the Gulf system.

- The load forecast that results from the amalgamation of independent, individually derived Member projections is reasonable, and reflects moderate growth over ten years.
  - The average annual growth rate for Net Energy for Load (NEL) is expected to be 0.93% per year, which is higher than the previous forecast.
  - Firm summer peak demand is expected to grow by 1.09% per year, which is lower than the previous forecast.
  - Firm winter peak demand is expected to grow by approximately 1.06% per year, which is lower than the previous forecast.

The following table summarizes additional net Utility-Owned Generation Capacity including additional capacity being added in the Gulf area.

Additional Utility-Owned Generation Capacity (MW)

Combined Cycle	3,400
Combustion Turbine Capacity	2,500
Plant Uprates	500
Plant Retirements	(2,300)
Net Non-Renewable Generation	**4,100**
Firm Solar Capacity	**4,900**
Firm Battery Storage Capacity[4]	**2,400**
Net Total (Summer)	**11,400**

- Natural Gas is expected to remain the primary fuel source for the region with all proposed new thermal generation expected to use natural gas as their primary fuel.
  - Natural gas is projected to provide approximately 65% of the electrical energy (GWh) in peninsular Florida by the end of the ten-year planning horizon. The existing and planned pipeline capacity supporting the Region are adequate to meet projected peak day gas requirements (summer and winter) through 2031, with the assumption that any short-term capacity shortfall can be met with member backup fuel capabilities or market solutions. However, a growth in natural gas use sensitivity scenario indicated some possible additional natural gas pipeline capacity could be needed in the 2031-time frame (by the end of the planning period).
  - In the event of a short-term failure of key elements of natural gas delivery infrastructure, use of dual fuel capability (between 57% – 61% of available natural gas capacity over the planning horizon) will be required to meet projected demand. It should be noted that additional fuel management coordination would also be required in the event of a long-term failure of key elements of natural gas delivery infrastructure.

[4] Limited Duration Energy.

- Renewables in the FRCC Region are expected to grow from:
  - 3,591 MW in 2022 (5.9%) to 7,754 MW in 2031 (11.8%) in terms of nameplate generation capacity and
  - 12,013 GWh in 2022 (4.9%) to 50,547 GWh in 2031 (18.3%) in terms of energy served.

  This growth is projected to come from solar generation. Members continue to leverage operating experience with these resources to better forecast future contributions to capacity, energy and how they impact system peaks. The FRCC will continue to monitor and evaluate the effects of increased penetration levels of renewable generation on the system.

- Battery storage contributions to capacity are included in reserve margins consistent with members' TYSP filings. The region currently has approximately 496 MW of firm summer capacity from battery storage and 2,400 MW of additional firm summer capacity from battery storage facilities are planned through 2031. As FRCC members continue to gain experience with operating battery storage, members will be better able to develop methodologies and protocols to properly account for battery contributions toward capacity, energy sufficiency and operational support.

- COVID-19 and Recent Fuel Price Increase Impact on Load Forecasts
  - Although the amounts vary by member, COVID-19 impacts have gradually receded back to pre-pandemic load levels.
  - The LFWG is actively engaged in monitoring the potential impact of recent high natural gas prices and other geopolitical conditions that have increased inflationary pressures on electric customers. Any price elasticity impact associated with such risks would only improve reliability metrics presented herein, all else equal.

- FRCC members continue to learn from recent electrical system events that have occurred across the Country. Specifically, in 2021, US consumers endured two significant extreme weather events in California and the south-central area of the country which resulted in firm load shedding in order to preserve broader system reliability. The second event stretched over Texas, Arkansas, and Louisiana in February of 2021 and was an historic cold weather event that forced generating units offline, reduced natural gas supplies, and pushed electric heat demand to very high levels. The Texas event resulted in significant societal impacts and an ongoing Regulatory focus on preparations for extreme weather.
  - As a result, NERC and FERC developed numerous recommendations issued in a joint report, FERC, NERC and Regional Entity Staff Report, November 2021[5] including recommendation "9a" which recommends that utilities in southern states adjust load forecasts to reflect actual historic peak loads. These events and ensuing analyses continue to be reviewed by FRCC member companies for applicability to their systems.
  - The FRCC initiated a broad-based review plan to identify contributing causes, relevance to FRCC, and address any applicable near-term actions as well as longer term activities to identify any FRCC analysis or process improvement opportunities in load forecasting, extreme weather response and mitigation, resource adequacy methodologies as well as internal and external

[5] Report: *The February 2021 Cold Weather Outages in Texas and the South-Central United States | FERC, NERC, and Regional Entity Staff Report* https://www.ferc.gov/media/february-2021-cold-weather-outages-texas-and-south-central-united-states-ferc-nerc-and

communications processes.

- FRCC member utilities continue to perform internal as well as FRCC wide reviews to better understand the potential loads that could be experienced based on actual historical weather events. Initial reviews of aggregate load forecasts based on winter 1989 and 2010 actual weather conditions identified the potential for customer load curtailments (rotating load shedding) to preserve the reliability of the FRCC systems during cold morning peaks should conditions similar to 1989 be experienced over the study horizon.

▪ The FRCC RS has been working to prepare a detailed 2 x 24 (hourly) evaluation of the sufficiency of resources to serve aggregated FRCC load across all hours of the peak summer and winter day. As of the writing of this assessment, the evaluation is not yet at a level of maturity from which to draw conclusions.

5.0 FRCC Reserve Margin Review

In February 2021, impacts from Winter Storm Uri caused multiple consecutive days with extremely low temperatures in Texas and elsewhere in the middle of the country which resulted in millions of customers being without power for days. In addition to the hardship these customers endured, the negative economic consequences for businesses in the affected areas and the state were significant. As a result, NERC and FERC developed numerous recommendations issued in a joint report, FERC, NERC and Regional Entity Staff Report, November 2021. One recommendation is that utilities (by Winter 2023-2024) "that forecast load within southern states should adjust their 50/50 forecasts to reflect actual historic peak loads that occurred during severe cold weather events in their footprints and reflect the potential for exponential load increase due to the resistive heating used in southern states". As a result, FRCC member utilities continue to perform internal as well as FRCC wide reviews to better understand the potential loads that could be experienced based on actual historical weather events.

FPL, whose load centers include the most southern part of Florida, estimated the largest increase in forecast load from its 50/50 forecast of any Florida utility when considering actual historical severe cold weather. This result is intuitive since the more northern parts of the state more frequently experience cold weather and that is then statistically captured in their "normalized" weather. As a result, FPL has developed a "Recommended" resource plan as well as "Business as Usual" resource plan, as part of their "Ten Year Power Plant Site Plan 2022-2031" filing to the FPSC. The aggregate FRCC L&RP compilation includes FPL's traditional P50 load forecast along with the resources and fuel diversification improvements that were identified as part of their "Recommended" resource plan. **Unless otherwise noted, the tables and charts in this reliability assessment include the P50 load forecast and the Recommended FPL resource plan.** For reference, the impacts on aggregate calculations have been annotated where practical. FPL has recently withdrawn its Recommended Plan from PSC consideration. However, one lesson learned from the 2021 Winter Storm Uri, is that a single calculation of reserve margin based on a 50/50 load forecast does not provide a complete picture of the probability of being able to serve load in extreme weather events.

The FRCC has a reliability criterion of a 15% minimum Total Reserve Margin based on firm load. FRCC Reserve Margin calculations include merchant plant capacity that is under firm contract to load-serving entities. The FRCC assesses the upcoming ten-year projected summer and winter peak hour loads, generating resources, and DSM resources on an annual basis to ensure that the Total Reserve Margin requirement is projected to be satisfied. The three Investor-Owned Utilities, Florida Power & Light Company (FPL), Duke Energy Florida (DEF), and Tampa Electric Company (TEC), are utilizing, along with other reliability criteria, a 20% minimum Total Reserve Margin planning criterion consistent with a voluntary stipulation agreed to by the FPSC[6]. Other utilities employ a 15% minimum Total Reserve Margin planning criterion.

If projections had shown a forecasted peak period for which the Total Reserve Margin requirement would not be met, such a projection would be researched and reflected in the annual Reliability Assessment Report. There are no such projections for the next ten years.

The information contained in the Figures and Tables in this report are consistent with information presented in the individual utilities' 2022 Ten-Year Site Plans (TYSP). These TYSPs present information from the utilities' latest resource planning work. As noted above, the calculations and aggregations this year include FPL's Recommended plan resource data paired with FPL's traditional P50 load forecast data as was provided to the FRCC through this year's regional load and resource plan data collection effort. Although this Recommended Plan was recently withdrawn from consideration by FPL, the FRCC Reserve Margin for winter is still above the 15% minimum criterion, using the P50 load forecast, without the additional capacity in FPL's Recommended Plan, as shown in *Figure 3*.

All reserve margin projections include both the projected firm impact of existing and projected solar resources as well as the firm impact of energy storage resources projected to come online over the planning horizon. The firm capacity value of solar, which varies by utility as some percentage of nameplate capacity for summer and is generally zero for winter, is discussed in more detail in Section 10.0 of this document. The firm capacity value of solar coupled to energy storage will continue to be evaluated as member utilities add more storage to their resource projections. Currently, each member utility assigns a firm capacity value to the energy storage projected in their resource plans, and those firm capacities are used in the calculation of the FRCC's Reserve Margin values.

Figure 1 below shows that the projected summer Total Reserve Margins, including the use of DSM, from the *2022 Regional Load & Resource Plan*[7] continue to be above the FRCC's minimum 15% Total Reserve Margin criterion. In fact, the 2022 projected summer Total Reserve Margins exceed 20% for every year in the ten-year forecast period. ***Figure 1*** also includes historical trends from the 2019, 2020, and 2021 LRP. Reserve Margins are generally comparable to those forecasted in 2021 with minor differences driven from timing and planned generation.

[6] Docket No. 981890-EU Generic investigation into the aggregate electric utility reserve margins planned for Peninsular Florida, Order No. PSC-99-2507-S-EU, issued December 22, 1999 (http://www.floridapsc.com/library/filings/1999/15628-1999/15628-1999.pdf#search=99-2507-S-EU)

[7] *2022 Regional Load & Resource Plan*

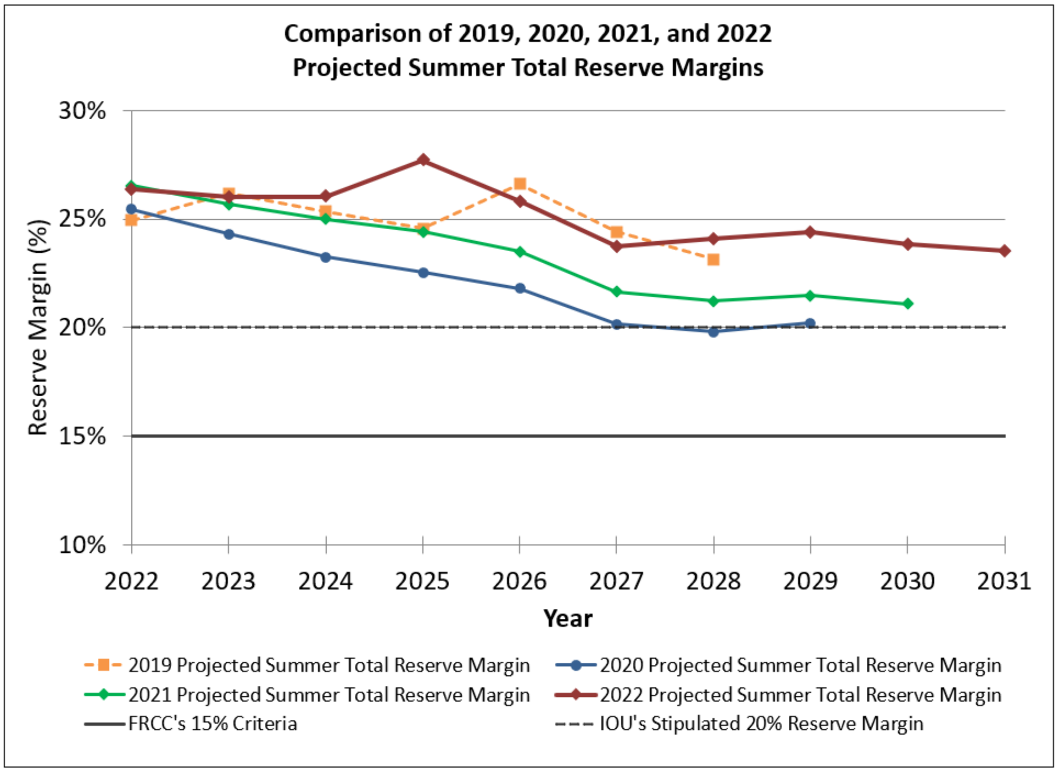

Figure 1
Trends in Projected Summer Total Reserve Margins

In a similar manner, ***Figure 2*** below shows the projected winter Total Reserve Margins, including the use of DSM, from the *2022 Regional Load & Resource Plan.* The 2022 projected winter Total Reserve Margins are also over 20% for every year in the ten-year forecast period. 2022 projected winter reserve margins are generally comparable with 2021 projections. In the latter years of the planning horizon, winter reserve margins increased from 2021 projections due in part to the additional winter capacity included from FPL's Recommended TYSP. Figure 2 also includes historical trends from the 2019, 2020, and 2021 LRP.

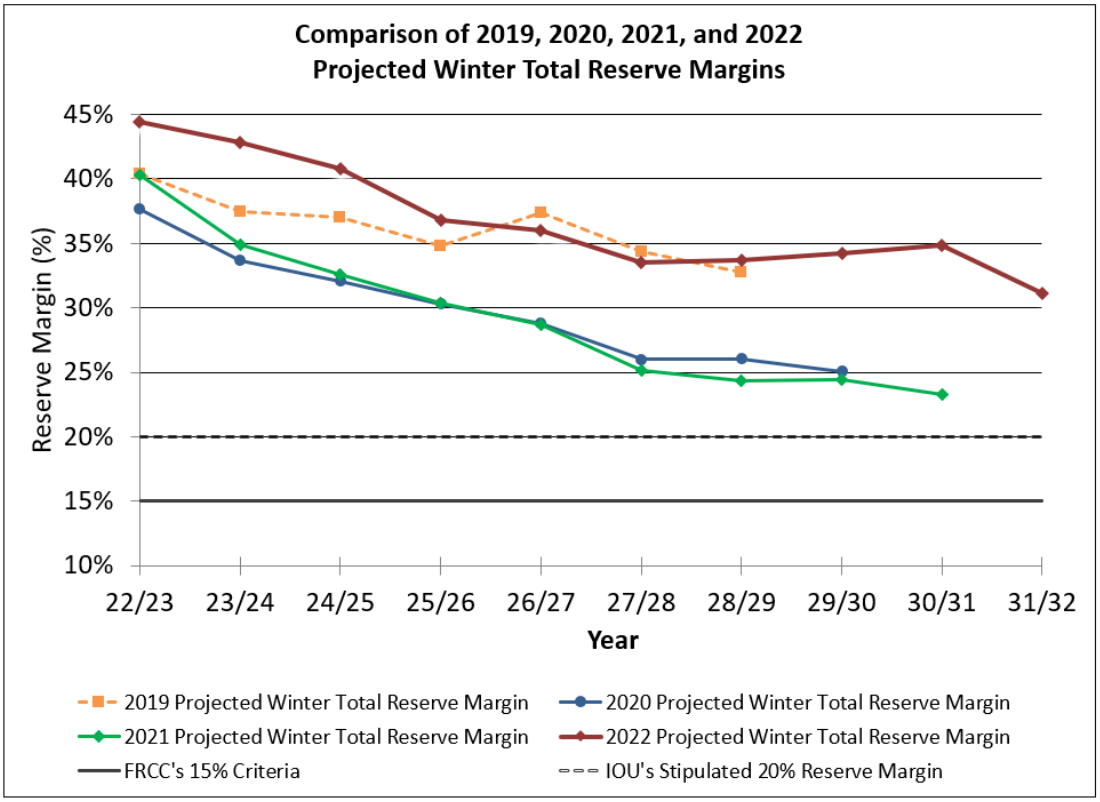

***Figure 2*[8]**
Trends in Projected Winter Total Reserve Margins

Specifically, and based on previous extreme events, FPL developed a new load forecasting approach that lies outside the traditional resource planning norms in order to clearly identify the potential risks and uncertainty associated with future extreme weather events and take incremental resource steps to mitigate those risks. As a result, FPL submitted two Ten-Year Site Plans to the FPSC. One in which FPL switched from using a P50 load forecast for all 12 months to a hybrid-type forecast that projects a P50 peak load for 11 months, with an extreme Winter peak load for the month of January (only) identified as their Recommended resource plan, and the other utilizing their traditional P50 load forecast identified as their Business as Usual (BAU) resource plan. Although the core FRCC LRDB included FPL's Recommended resource plan, FRCC has included ***Figure 3*** below as a point of reference to help identify the impacts to aggregate FRCC planned reserve margin using either plan. ***Figure 3*** shows the forecasted Winter Total Reserve Margin differences for the FRCC Region between aggregating FPL's Recommended Plan resources and FPL's BAU Plan resources. Both calculations assume all FRCC entities' P50 load forecast, and not FPL's extreme winter load forecast, which continues to be a highly debated topic across the industry and Regulating community.

[9] The winter season spans from the 4th quarter of one year through the 1st quarter of the next year. For example, the year 21/22 refers to the winter season spanning from the 4th quarter of 2021 through the 1st quarter of 2022.

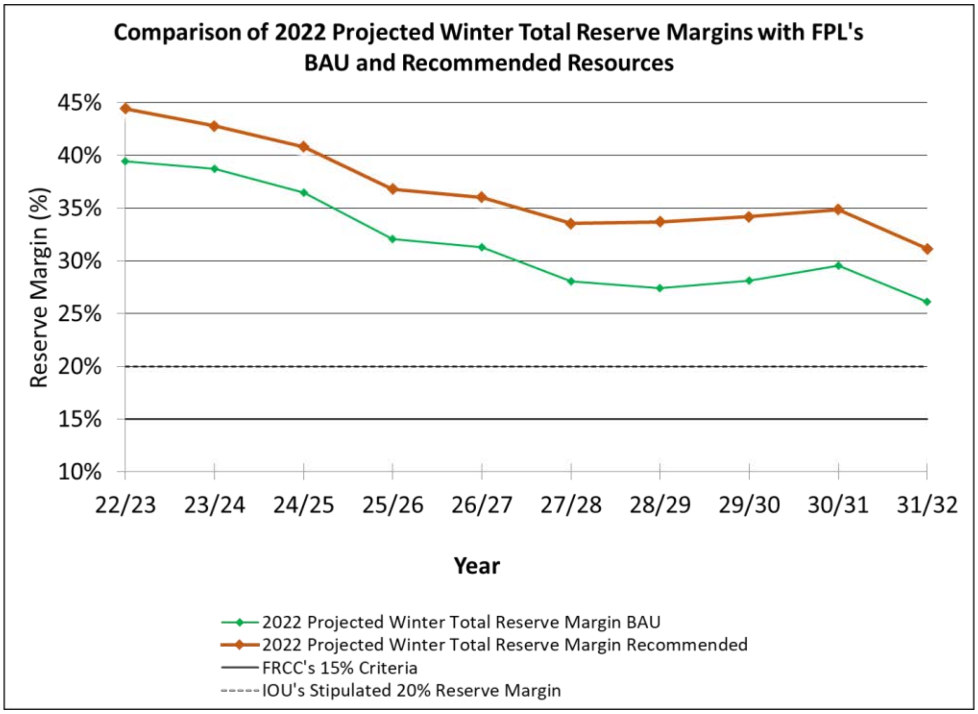

Figure 3

Comparison of 2022 FRCC Regional Projected Winter Total Reserve Margins between FPL's BAU and Recommended Resources

Planning Reserve Margins generally project demand based on a 50/50 forecast. When NERC discusses a 15% Reserve Margin for predominantly thermal systems (in Florida 15% and 20% reference Reserve Margins), those Reserve Margins are associated with a 50/50 forecast. Therefore, a Reserve Margin calculation with a higher forecast load is not comparable to a reference Reserve Margin. Even though the results are not directly comparable, in **Figure 4** below the green line of the chart uses a 50/50 forecast for all Florida entities. The orange line uses a 50/50 forecast for all Florida entities except FPL. For FPL an extreme Winter peak load is utilized (from FPL's Recommended Plan).

Figure 4 shows a theoretical forecasted Winter Total Reserve Margin difference for the FRCC Region between aggregating FPL's Recommended Plan load and FPL's BAU Plan load. Note: The resources assumed in Figure 4 are the same as in Figure 3 (FRCC total resources with FPL's Recommended Plan). Only the total FRCC load differs in the orange line calculation, with the 50/50 forecast load being used for all Florida entities except FPL, combined with FPL's extreme Winter peak load.

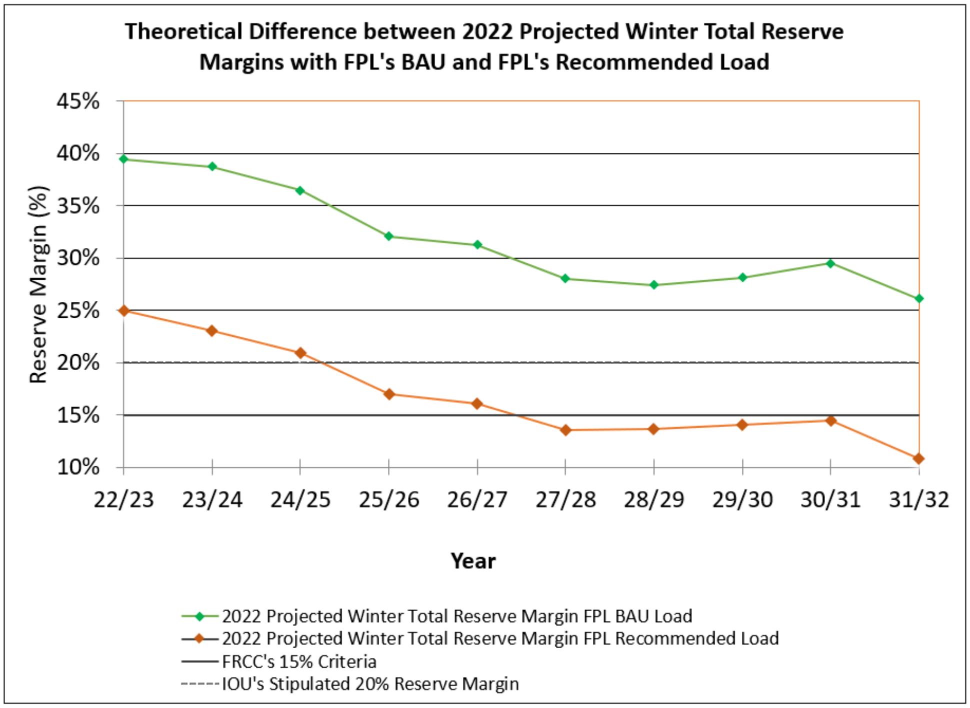

Figure 4

Theoretical Difference between 2022 FRCC Regional Projected Winter Total Reserve Margins between with FPL's BAU and FPL's Recommended Load

6.0 FRCC Resource Adequacy Criteria Review

Introduction

Loss-Of-Load-Probability (LOLP) projections are developed in analyses that are conducted every other year. In addition, projections of generator Forced Outage Rate (FOR) and Availability Factor (AF) are developed annually. The results of these analyses are utilized, in combination with the above-described Total Reserve Margin review, to determine if the planned resources for the FRCC Region are adequate to meet FRCC and FPSC requirements.

LOLP Analysis

The FRCC has historically used an LOLP analysis to support the adequacy of reserve levels for the FRCC Region. The LOLP analysis utilizes probabilistic analysis methods to quantify the ability of the generation system resources to reliably meet expected demand, incorporating the uncertainties associated with generation reliability including unit forced outage rates, maintenance schedules, load uncertainty, and demand response capabilities that vary on a seasonal basis. In response to the increasing penetration of utility-scale solar and other energy-limited resources as well as the drive to model the region as accurately as possible, the FRCC has updated their modeling approach for these resources. For the 2022 LOLP analysis, the RS collected projected hourly solar output and energy storage charging and discharging profiles for all utility-scale units and treated them as a modifier to the load in order to further improvement the assessment model. The purpose is to verify that the projected LOLP for the system does not exceed the maximum target LOLP of 0.1 day in a given year. In addition to maintaining this LOLP level, the FRCC established an additional Regional Reserve Margin Planning Criterion (also known as a Resource Adequacy Criteria) of a minimum 15% Total Reserve Margin for both summer and winter versus firm load.

The most recent LOLP analysis was conducted in 2022. "Base" LOLP projections were obtained for the FRCC Region for the years 2022 through 2026 using updated assumptions and forecasts that correspond with the Florida utilities' 2022 TYSPs. Beyond the base or "reference" case values for LOLP, projected LOLP values for a variety of scenarios were considered, including: (i) no availability of firm imports, (ii) no availability of load management/demand response (DR) types of DSM programs, and (iii) a high load case.

Results indicate that the FRCC Region is projected to be reliable from an LOLP perspective through 2026. In other words, the FRCC Region's electric system is projected not to exceed the planning maximum LOLP criterion of 0.1 days per year with all transmission facilities in service for the reference case and the scenario cases. The projected LOLP values are shown in ***Table 1*** below.

Year	Base Case	No Availability of Firm Imports	No Availability of Demand Response	High Case
	LOLP (Days/Year)	LOLP (Days/Year)	LOLP (Days/Year)	LOLP (Days/Year)
2022	0.000003	0.000957	0.015117	0.000008
2023	0.000003	0.000441	0.015003	0.000008
2024	0.000002	0.000652	0.014572	0.000009
2025	0.000004	0.000688	0.010994	0.000011
2026	0.000002	0.000597	0.008826	0.000009

Table 1
2022 LOLP Results[10]

Forced Outage Rates (FOR) and Availability Factors (AF)

Generating unit reliability is a primary driver of LOLP results. The FRCC Resource Subcommittee tracks and monitors capacity (MW)-weighted FOR and AF measures for individual utility systems and the FRCC Region as a whole. This assessment was again conducted as part of the 2022 Load and Resource Reliability Assessment. The individual utility system information is aggregated to develop MW-weighted FRCC Regional FOR and AF values. Actual and forecasted FOR and AF values are then compared to historical values. Projections of these annual measures for individual utilities and the region, plus projected changes from year-to-year, are implicit indicators of system reliability from an LOLP perspective.

In the current analysis, both yearly capacity weighted FOR and AF projected values for each utility system were calculated. The calculations were based on each utility's latest planning assumptions and historic forced outage information as presented in each utility's 2022 TYSP. These 2022 projections for FOR and AF values were compared to the values projected in 2019, 2020, and 2021.

As seen in ***Figure 5*** below, the 2022 projection of FOR values remain generally in-line with projected values from the last several years. The current projected FOR values are in a relatively narrow range and continue to decline. This trend is also consistent with projections from the prior years. The projected FOR values are one

[10] The 2022 LOLP results are based on: (i) a load variation model and (ii) a manual approach to generator maintenance inputs which typically results in higher LOLP values than would result if using an automatic maintenance approach.

driver of the projected low LOLP base case values from the 2022 LOLP analyses presented above in ***Table 1***. This consistency in FOR projections[11] further supports the finding that the FRCC Region is projected to remain resource adequate and maintain its reliability from 2021 through 2031. In addition to the low projected FOR values, low projected LOLP values presented above are likely driven by the updated modeling approach for utility-scale solar and energy limited resources. The updated modeling approach more accurately represents the real-time output of these units at time of peak which was understated in the previous approach.

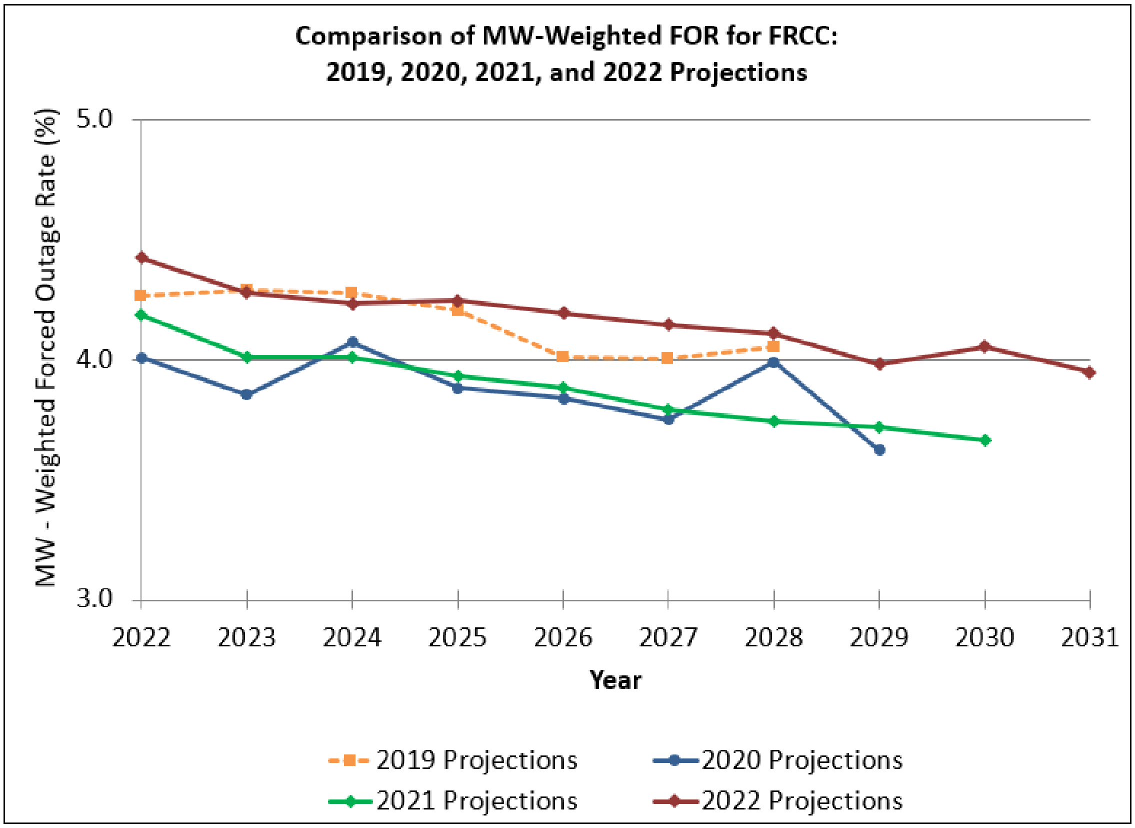

Figure 5
Trends in Projected Forced Outage Rates (FOR)

Though unit AF is not an input to LOLP calculations, it is often used as an indicator that generally correlates well with reliability data. The projections from resource planning work conducted in the previous four years remain consistent in a narrow range from approximately 85% to 90%. For 2022 projections of MW-weighted AF, the dip in 2024 is due to individual unit retirements as seen in ***Figure 6*** below.

[11] For some FRCC members, solar is currently modeled in the process using typical weather year shapes.

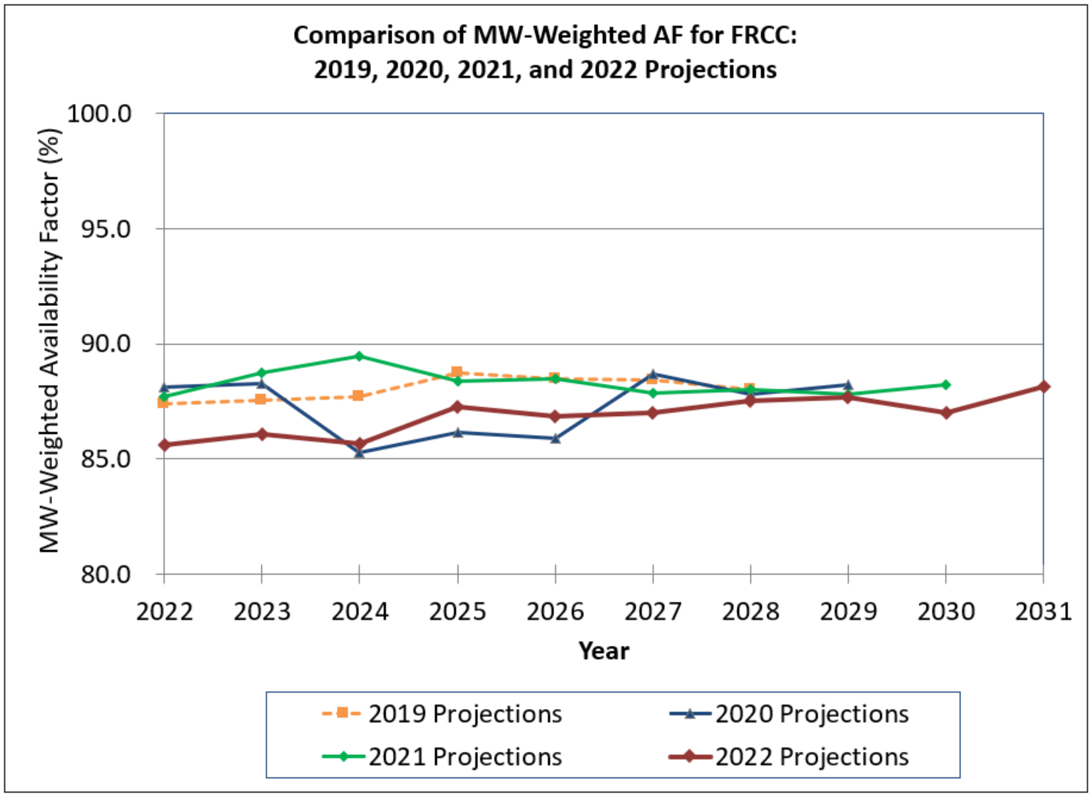

Figure 6
Trends in Projected Availability Factors (AF)

The results of the AF analyses, combined with the results of the FOR analyses depicted in ***Figure 6,*** the very low projected LOLP base case results for 2022 – 2026, and the projections of Total Reserve Margins for all years that are above the FRCC's minimum Total Reserve Margin Planning Criterion of 15% (as presented in the *2022 Regional Load & Resource Plan* document and presented in the previous section in ***Figure 1*** and ***Figure 2***), support a conclusion that the FRCC Region is projected to continue to be reliable throughout the ten-year period addressed in this document.

Additional Resource Adequacy Reviews and Metrics

Generation Only Reserve Margin (GRM)

In addition to the Deterministic Reserve Margin, LOLP, and FOR/AF analyses, the RS examines the extent to which the system's projected Total Reserve Margin values rely upon DSM to meet and maintain the FRCC's 15% Total Reserve Margin Planning Criterion. Historically, FPL adopted a minimum 10% generation-only reserve margin (GRM) as a third reliability criterion in its Integrated Resource Planning (IRP) process. The GRM criterion supplements FPL's other two reliability criterion, a 20% minimum total reserve margin for summer and winter and a maximum LOLP of 0.1 day per year. FPL's GRM criterion is similar in concept to the supply-side reserve margin reliability criterion that TEC has used in its IRP process for more than a decade. Both criteria are essentially designed to ensure that there is an adequate generation component as the utilities meet their 20% total reserve margin criterion.

To examine the extent to which the FRCC Region's system is dependent upon DSM, and whether the system is projected to become more dependent upon DSM over time, a projection of annual "generation-only" Reserve

Margin[12] values are analyzed by the RS each year. The generation-only Reserve Margin analysis includes aggregating the utilities' 2022 TYSP projections in which incremental and cumulative load management, incremental utility program energy conservation/energy efficiency and other demand reduction contributions, are excluded. The resulting generation-only Reserve Margin projection, presented in ***Figure 7*** below, shows the projected future Reserve Margins when considering only generating unit contributions (existing and future thermal resources and assumed typical weather performance of solar generation) compared against the Reserve Margins with contributions of incremental and cumulative load management, incremental utility program energy conservation/energy efficiency, and other demand reduction contributions.

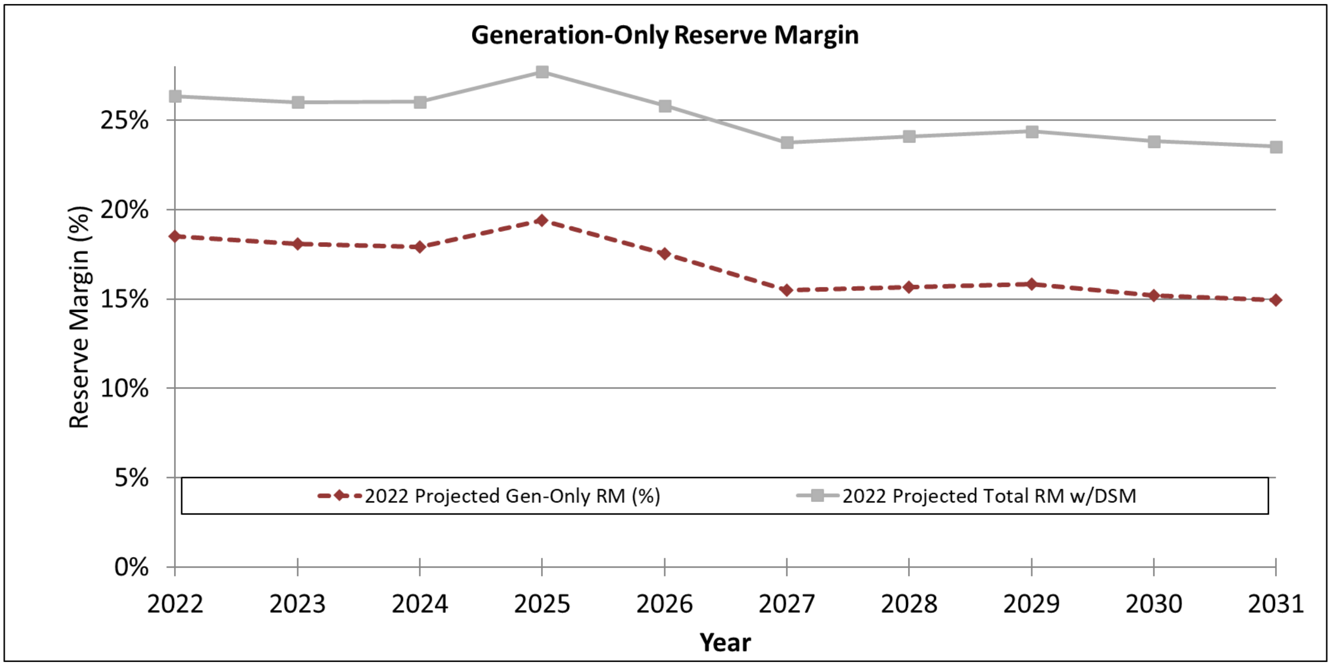

Figure 7
Projected Generation-Only Reserve Margin

As shown in ***Figure 7***, the generation-only Reserve Margin does not fall below the FRCC's 15% Total Reserve Margin Planning Criterion. In previous years, FRCC was increasingly reliant upon firm DSM towards the end of the planning horizon. In this year's planning horizon, additional resources have been added beginning in 2026, resulting in FRCC maintaining at least a 15% GRM through 2031. Increased reliance on DSM versus the near term remains, as the gen-only reserve margin declines from 2022 levels by 2031. The FRCC and individual utilities continue to evaluate generation-only Reserve Margin projections and their potential implications for system reliability.

As the integration of intermittent renewable resources (particularly solar and energy storage) continues to increase in penetration at FRCC member utilities, the historical adequacy assertions will be challenged and will require additional analyses and metrics to accurately factor in the dispatchability challenges posed by these resources. Recognizing that solar is expected to contribute to traditional peak hours, times of day with high or persistent cooling load without sunlight, must be carefully examined to ensure sufficient firm capacity in such hours over the longer-term planning horizon. The operational combination of energy storage and solar must also

[12] For purposes of calculating projected 'generation-only reserve margin' values, the following formula was used: (total capacity - load forecast) / load forecast, in which the following DSM components have been removed from the calculation: existing load management capability, projected new incremental load management capability, and projected new energy efficiency/energy conservation utility program additions.

be analyzed with more depth to understand the extent to which future solar output shapes can be optimized to support reliability.

Fuel Deliverability

Natural gas is the predominant source of fuel for electric generation in the FRCC Reliability Area. This is expected to continue over the coming years. While utilities continue to install natural gas generation, the percentage of electric energy generated by natural gas is expected to drop from approximately 68% to approximately 65% of total net energy for load by 2031. This drop correlates to a projected increase in electric energy generated by Renewable energy sources from approximately 5% of net energy for load in Florida in 2022 to approximately 18% of net energy for load in 2031.

The state has no native natural gas production and currently relies primarily on three existing interstate natural gas pipelines: Gulfstream Natural Gas System (Gulfstream), Florida Gas Transmission Company (FGT), and Sabal Trail Transmission (Sabal Trail). Florida also utilizes the Central Florida Hub, a location near Orlando where Sabal Trail has a bi-directional interconnection with wheeling capability to FGT and Gulfstream. A relatively small amount of gas is also transported into FRCC via Southern Natural's Cypress and South Georgia pipeline systems. Gulf South Pipeline Company (Gulf South) also has a minimal delivery capability directly into peninsular Florida. FRCC-Member contracted capacity for delivery to Florida markets is currently approximately 0.03 Bcf/day on Gulf South.

The FRCC Planning Committee performs a biennial assessment of gas infrastructure and compares the utilities' expected peak day gas burn to available gas infrastructure to identify any near-term infrastructure deficiencies. The most recent assessment found that in aggregate FRCC members hold the vast majority of contracted firm transportation pipeline capacity delivering into the State of Florida and that pipeline capacity and member resources are adequate to meet projected peak day gas requirements (summer and winter) through 2029, with the assumption that any short-term capacity shortfall can be met with member backup fuel capabilities or market solutions.

In terms of ensuring the reliability of Florida's natural gas supply, utilities have added additional "upstream pipeline transportation capacity" to access onshore production, shale gas reserves as well as natural gas storage facilities. This upstream capacity allows Florida's utilities to diversify natural gas supply away from the Gulf of Mexico and to tap the abundant shale gas reserves in Texas, Louisiana, Oklahoma, and other states. However, efforts by utilities in managing gas transportation risks, decreasing costs, and increasing supply diversity is limited by the existing access provided by the current pipeline delivery infrastructure. The FRCC, via the FRWG, performs periodic studies to assess and evaluate potential natural gas delivery capacity losses that can occur as a result of such pipeline outages and further evaluates contingency planning in the event of such outages. Finally, via the RS, the FRCC continues to evaluate the long-term adequacy of pipeline delivery infrastructure to meet the projected natural gas requirements of electric generation assets in the region during the ten-year planning horizon. The most recent study results projected that the Natural Gas pipeline capacity in the region will be sufficient to meet the projected electric generation needs and did not indicate a need for incremental pipeline capacity. Further flexibility to support gas supply adequacy is available in the form of redispatch that leverages alternative thermal resources. Additionally, a long-term interruption of any of the primary pipelines serving the state could significantly impact the adequacy of resources within the FRCC to serve customer loads during the period required to repair the affected pipeline.

Environmental Compliance

At this time, the RS believes that current environmental requirements imposed by Federal, State, and local authorities that may impact the capability and operation of generation resources are appropriately addressed within the individual utility resource planning processes. However, FRCC Members are monitoring recent developments with potential legislation surrounding the "CLEAN Future Act" and associated variants being proposed in Congress and will provide updates on potential implications to FRCC reliability in subsequent cycles.

7.0 Load Forecast Evaluation

In aggregate, customer growth was .99% in 2021, 0.8% higher than what had been projected. FRCC Region's average per-customer consumption decreased for the Rural & Residential and increased for the Industrial Class and the Commercial Class from 2020.

Net Energy sales are projected to grow at a higher rate, relative to what was previously forecasted, with an average annual growth rate of 0.96%[1] The projected average annual growth rate for customers is 1.22%[1]. In general, higher than normal temperatures experienced over the past several years are playing a noticeable role in the somewhat higher than projected average consumption per customer. These forecasts continued to project that Florida's economy would continue to see steady growth, but weather is more of a factor in higher than projected sales and average consumption than growth in the economy as it relates to short-term fluctuations in energy and peak demand. Impacts of conservation and energy efficiency, including the impacts of higher energy efficiency building codes and appliance standards, continue to contribute to the weather-normalized declines in per-customer consumption both on an actual and projected basis. While a decline in state-level vacancy rates in the residential sector could result in some short-term boosts to average residential usage, this is in part offset by declines in smaller-sized commercial customer accounts as the retail sector continues to be challenged by online commerce and associated supply-chain disruptions.

Electric vehicles and private Photovoltaic factors were included in the aggregate forecasted totals for both energy and demand as applicable, for the various utility systems that comprise FRCC. Penetration in the Florida market of private dependable AC solar capacity during peak periods and electric vehicles is still relatively low but expected to grow steadily. FRCC's Load Forecast Working Group (LFWG) will continue to monitor trends in solar uptake and electric vehicle penetration and will coordinate with the FRCC RS on best practices for determination of dependable AC solar capacity during peak periods as well as the impact of electric vehicle charging on system peak demand, as applicable.

The impacts on load growth from the *Energy Policy Act of 2005*[13] and the *Energy Independence and Security Act of 2007*[14] were reviewed. Most utilities incorporate these mandated energy efficiency impacts in their load forecasts. Other utilities capture these embedded efficiency trends that have been taking place historically through their econometric models.

The FRCC aggregates the individual peak demand forecast of each of its member utilities by summing these forecasts to develop the FRCC Region forecast. FRCC has pursued this avenue using the logical assumption that each utility is most familiar with its own service territory and the behavior patterns of its customer base. The load forecast evaluation process undertaken by FRCC is designed to understand which forecasting models are used, and, to a certain degree, seek consistency of assumptions across all utilities. FRCC's LFWG reviewed each utility's forecast methodology, input assumptions and sources, and output of forecast results. Reasonability

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[13] Energy Policy Act of 2005 (https://www.energy.gov/sites/prod/files/edg/media/HR6PP%281%29.pdf)
[14] Energy Independence and Security Act of 2007 (https://www.govinfo.gov/content/pkg/BILLS-110hr6enr/pdf/BILLS-110hr6enr.pdf)

checks were performed comparing the historical past with the projected load growth, use per customer, weather-normalized assumptions, and load factors.

Although a significant amount of advancement has been achieved in forecasting and statistical modeling, there remains an amount of risk (in the form of forecast variance) associated with the uncertainties embedded in the primary factors that determine the demand for electricity. The uncertainties that are most noticeable are departures from historical weather patterns, recent population growth, performance of the local and national economy, size of homes and number of homes being built, inflation, interest rates, price of electricity, changing electric end-use technology, appliance efficiency standards, and changes in consumption patterns. In the short-run, weather deviations from normal conditions tends to be the most important factor. However, population growth, economic performance, price of electricity, changing technology, changing consumption patterns, and more-efficient building codes and standards also play crucial roles in explaining the growth in demand for electricity over the long-run. The load forecast should provide an unbiased estimate of the future load after accounting for these uncontrollable factors using a theoretically sound and transparent modeling framework. The projections of load should not consistently under- or over-forecast the actual loads. Additionally, it is desirable that the forecasting processes used by the member utilities of FRCC exhibit continuous improvement in the theoretical bases utilized to develop forecast equations and a high level of scrutiny for the sensibility of parameters and relationships that are then leveraged to simulate future conditions. While it can be attractive to focus on short-term weather-normalized forecast variance, a poorly specified series of models (containing spurious correlation or various other econometric problems) could still show limited forecast variance by happenstance. Such a model would have limited variance decomposition capabilities and would not be appropriate to support long-term resource or financial decisions.

Methodology

The FRCC's evaluation process of each individual member's load forecast and forecasting methodologies is described in the following sections.

Models

The LFWG reviews the properties and theoretical specifications of the forecasting models utilized to develop the individual utility's forecast without recommending or endorsing a particular type of model. There is an evident preference for econometric models over end-use modeling by utilities in the state of Florida. However, more and more utilities are finding it advantageous to combine econometric models with other types of forecasting models (which were basically hybrids of end-use and econometric models).

The LFWG was attentive as to the forecasting results and cannot categorically endorse one type of model over the other based upon the results obtained. The LFWG does not consider it prudent to standardize the types of forecasting models to be used in Florida because each service territory is different and certain types of models seem to yield better results under specific conditions. It is customary that all utilities update and refine their models with each additional year of actual data, which ensures that the most recent correlations and associations embedded in the data are captured and that the models are calibrated accordingly. Furthermore, this ensures that the starting point of each forecast series is adjusted to the latest historical value for load or customer growth.

Inputs

The input assumptions that feed the forecasting models used to project load, as well as the sources of these inputs, were assessed. The primary inputs that were examined included: Florida population and customers, the price of electricity, normal weather assumptions, an economic outlook for income and employment levels and saturations/efficiencies of electrical appliances in those models that combine end-use technology with econometric modeling. The source data for Florida's population was the *Florida Legislature's Office of Economic and Demographic Research (EDR)*, which works in conjunction with the *Bureau of Economic and Business Research from the University of Florida*[15]. *Moody's Economy.com*[16], *Global Insight*[17], and *Woods and Poole Economics, Inc.*[18], all reputable forecasting organizations, were additionally utilized for historical and projected economic data. The price of electricity was derived internally by each utility and consisted of base rates and all "pass-through" clauses filed with the FPSC. The National Oceanographic and Atmospheric Administration (NOAA) provided historical weather data used in model estimation and calibration.

Because each utility's service territory has its own characteristics, different time horizons were used to determine the values for normal weather that best fits their territory. As such, some utilities employed the average weather over the last 20 years, others the last 10 or 30 years, and some used longer time periods to define what was considered as "normal" weather. Some utilities employed a Monte-Carlo simulation while others chose a rolling average or rolling median. There is no prescribed correct measure of "normal" weather and utilities will rely on the definition that best portrays the observed weather patterns in their service territory. This member-defined definition of "normal" weather is then employed throughout the forecast horizon by all utilities.

The economic outlook of the local and national economy was obtained from several reputable economic forecasting firms such as *Global Insight*, *Woods and Poole*, and Moody's *Economy.com.* The utilities across the State are nearly divided evenly among the three. All three firms are highly regarded in the industry. By using more than one firm, the risks of producing flawed results were minimized because somewhat different economic perspectives were relied upon by each entity.

Outputs

The current forecast was compared to the prior forecast developed last year (see ***Table 2*** below). The 2022 NEL is forecasted to be higher than the actual 2021 NEL. The current compound annual growth rate (CAGR) for NEL is 0.93% for the forecast period. The 2022 firm winter peak demands are forecasted to be lower than the 2021 actual winter peak demands. For the firm winter peak demand, the CAGR is expected to be approximately 1.06% for the forecast period. For the summer peak demand, the CAGR is expected to be 1.09% for the forecast period[19].

Load Factor

Several other ad-hoc measures were examined to assist in the determination of the reasonableness of the load forecast. The load factor, which is the relationship between the average load and the peak load, was examined comparing projected and historical values for this parameter. The resulting confirmation that historical and projected load factors were aligned helped to provide an increased level of assurance that no given component of the load forecast was unreasonable. While historical load factor figures can be influenced by extreme temperatures in the hour of the annual peak, all member utilities exhibited reasonable load factors when comparing these values in the historical and projected periods. In aggregate, the implied load factor trend for the

[15] Bureau of Economic and Business Research (https://www.bebr.ufl.edu/)
[16] Moody's Economy.com (http://www.economy.com)
[17] Global Insight (http://www.globalinsight.com)
[18] Woods and Poole (http://www.woodsandpoole.com)
[19] These CAGR values are reflective of firm peak demand values which incorporate the impacts of Demand-Side Management programs while ***Table 2*** does not include these impacts; therefore, the growth rates will not be congruent between the two.

FRCC continues to decrease, as energy is projected to grow at a slower rate than net firm winter and summer peaks over the forecast horizon.

Results

The comparison between the 2021 and 2022 forecasts for summer and winter peaks are shown in ***Table 2.***

Summer Peak					
	Forecast		Difference		
Year	2021	2022	MW	%	
2022	51,071	51,205	**134**	0.3%	*
2023	51,779	51,986	207	0.4%	
2024	52,443	52,305	-138	-0.3%	
2025	53,044	52,827	-217	-0.4%	
2026	53,552	53,391	-161	-0.3%	
2027	54,111	53,947	-164	-0.3%	
2028	54,611	54,427	-184	-0.3%	
2029	55,341	55,140	-201	-0.4%	
2030	56,145	55,823	**-322**	-0.6%	

Winter Peak					
	Forecast		Difference		
Year	2021	2022	MW	%	
2022/23	47,151	47,350	**199**	0.4%	*
2023/24	47,759	47,563	-196	-0.4%	
2024/25	48,310	47,984	-326	-0.7%	
2025/26	48,909	48,881	-28	-0.1%	
2026/27	49,412	49,330	-82	-0.2%	
2027/28	49,869	49,822	-47	-0.1%	
2028/29	50,470	50,404	-66	-0.1%	
2029/30	51,023	50,948	-75	-0.1%	
2030/31	51,563	51,145	**-418**	-0.8%	

Values are non-coincident peaks

*Reflects the integration of Gulf Power Company Load Forecast into the FPL Load Forecast (effective 1/1/2022)

Table 2

Comparison of 2021 and 2022 Forecasts

For the first forecast year (2022 Summer, 2022/23 Winter) shown above in ***Table 2***, the 2022 forecast of the summer period peak demand of the integrated FRCC system is projected to be higher than expected when compared to the 2021 forecast for the last overlapping forecast year by approximately 134 MW (0.3%). Also, the 2022 forecast of the winter peak demand is projected to be higher when compared to the 2021 forecast by approximately 199 MW (0.4%).

For the last forecast year (2030 Summer, 2030/31 Winter) shown above in ***Table 2***, the 2022 forecast of the summer period peak demand of the integrated FRCC system is projected to be lower than expected when compared to the 2021 forecast for the last overlapping forecast year by approximately 322 MW (0.6%). Also, the 2022 forecast of the winter peak demand is projected to be lower when compared to the 2021 forecast by approximately 418 MW (0.8%).

Over the last ten years of actuals, the FRCC Region had a CAGR of 0.99%[20] for summer peak demand. The current study period (2022-2031) projection has a CAGR of 0.93%**Error! Bookmark not defined.**.

The confidence level that can be placed on these forecasts can be deduced by examining the historical performance of the aggregate forecasts. The summer peak analysis of the forecasted peaks versus the actual peaks, shown in ***Table 3***, indicates that since 2012, there has been a tendency to over-forecast the summer peak demand in the FRCC aggregate ten-year load forecast. This is in large part a function of the 2007-2009 recession, and the tendency of economic providers to over-forecast the pace of the economic recovery.

The first column in ***Table 3***, labeled "Actual Summer Peak (MW)", corresponds to the actual non-coincident summer peak. The next ten columns show the forecast as it was presented in the Regional Load & Resource Plan

[20] This CAGR is significantly impacted by the deep and prolonged recession that originated approximately 12 years ago ("Great Recession") and consequently, the forecast period reflects the expectation of a gradual, protracted recovery from said economic contraction.

for each of the ten years listed from 2012 to 2021. The bottom table is the percent forecast variance, derived by comparing actual to forecast demands. A positive variance means that the "actual" was larger than the forecasted value for the corresponding year, meaning an under-forecast. A negative forecast variance means an over-forecast.

COMPARISON OF SUMMER PEAK FORECASTS TO ACTUAL PEAKS (MW)

	Actual Summer Peak	Forecasted Summer Peaks									
Year	(MW)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2012	43,946	45,613									
2013	44,549	46,270	45,668								
2014	45,794	46,857	46,338	45,759							
2015	45,716	47,758	47,053	46,719	46,452						
2016	47,660	48,594	47,650	47,615	47,304	47,654					
2017	46,471	49,244	48,285	48,501	48,097	48,125	47,508				
2018	45,327	49,643	48,881	49,147	48,784	48,648	48,042	47,505			
2019	48,432	50,356	49,603	49,852	49,498	49,266	48,587	48,264	47,670		
2020	46,638	52,186	50,356	49,603	49,852	49,498	49,266	48,587	48,264	48,334	
2021	46,306	53,083	51,191	50,336	50,554	50,133	49,873	48,947	48,739	48,710	48,334

FORECAST VARIANCE (PERCENT)

	Actual Summer Peak	Forecasted Summer Peaks									
Year	(MW)	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2012	43,946	-3.7%									
2013	44,549	-3.7%	-2.5%								
2014	45,794	-2.3%	-1.2%	0.1%							
2015	45,716	-4.3%	-2.8%	-2.1%	-1.6%						
2016	47,660	-1.9%	0.0%	0.1%	0.8%	0.0%					
2017	46,471	-5.6%	-3.8%	-4.2%	-3.4%	-3.4%	-2.2%				
2018	45,327	-8.7%	-7.3%	-7.8%	-7.1%	-6.8%	-5.7%	-4.6%			
2019	48,432	-3.8%	-2.4%	-2.8%	-2.2%	-1.7%	-0.3%	0.3%	1.6%		
2020	46,638	-10.6%	-7.4%	-6.0%	-6.4%	-5.8%	-5.3%	-4.0%	-3.4%	-3.5%	
2021	46,306	-12.8%	-9.5%	-8.0%	-8.4%	-7.6%	-7.2%	-5.4%	-5.0%	-4.9%	-4%

Values are non-coincident peaks

Table 3

Comparison of Summer Peak Forecasts to Actual Peaks and Forecast Variance

Over the short-term, customer growth and economic conditions can differ from the long-term assumptions used to develop a particular vintage of a load forecast. The utility forecasts do not attempt to capture short-term deviations to customer growth and economic conditions but seek to deliver as objective an outcome as possible in terms of projected load for the state of Florida over the next ten years. Since the FRCC level forecast is merely an aggregation of individual entity forecasts, there is no incremental improvement or retrenchment in sensibility resulting from the FRCC amalgamation process.

The analysis for winter peaks is shown on ***Table 4.*** A perfunctory review noting the negative values would suggest a tendency to over-forecast given the predominance of projected peaks higher than the observed "actuals". Weather and temperature variations typically differ from the "normalized" weather assumptions used to develop the individual utility electric forecasts. In Florida, this is much more pronounced for the winter months compared to the summer months. Therefore, this weather volatility caused a significantly larger number of over-forecast occurrences.

Florida does not experience a cold winter very often. Nevertheless, each utility in its resource plan considers the eventuality of a severe winter peak. The winter of 1989 turned out to be the coldest winter on record (or very close) in many areas of the FRCC Region. Utilities utilized several load management/demand response programs to serve their firm load throughout the peak load period.

COMPARISON OF WINTER PEAK FORECASTS TO ACTUAL PEAKS (MW)

Year	Actual Winter Peak (MW)	Forecasted Winter Peaks 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2012/13	36,733	46,864									
2013/14	38,842	46,367	46,456								
2014/15	42,597	47,568	47,161	44,636							
2015/16	37,881	48,172	47,722	45,668	45,600						
2016/17	36,309	48,797	48,251	46,415	46,019	45,521					
2017/18	42,877	49,298	48,773	47,165	46,412	45,962	44,836				
2018/19	36,008	49,908	49,377	47,692	46,912	46,546	45,350	44,190			
2019/20	39,192	50,570	49,989	48,241	47,381	47,035	45,769	44,667	44,737		
2020/21	37,171	51,218	50,612	48,769	47,794	47,525	46,270	45,292	47,314	44,737	
2021/22	42,413	51,921	51,249	49,323	48,199	47,993	46,659	45,781	47,780	47,314	46,467

FORECAST VARIANCE (PERCENT)

Year	Actual Winter Peak (MW)	Forecasted Winter Peaks 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2012/13	36,733	-21.6%									
2013/14	38,842	-16.2%	-16.4%								
2014/15	42,597	-10.5%	-9.7%	-4.6%							
2015/16	37,881	-21.4%	-20.6%	-17.1%	-16.9%						
2016/17	36,309	-25.6%	-24.7%	-21.8%	-21.1%	-20.2%					
2017/18	42,877	-13.0%	-12.1%	-9.1%	-7.6%	-6.7%	-4.4%				
2018/19	36,008	-27.9%	-27.1%	-24.5%	-23.2%	-22.6%	-20.6%	-18.5%			
2019/20	39,192	-22.5%	-21.6%	-18.8%	-17.3%	-16.7%	-14.4%	-12.3%	-12.4%		
2020/21	37,171	-27.4%	-26.6%	-23.8%	-22.2%	-21.8%	-19.7%	-17.9%	-21.4%	-16.9%	
2021/22	42,413	-18.3%	-17.2%	-14.0%	-12.0%	-11.6%	-9.1%	-7.4%	-11.2%	-10.4%	-8.7%

Values are non-coincident peaks

Table 4
Comparison of Winter Peak Forecasts to Actual Peaks and Forecast Variance

Finally, ***Table 5*** shows a comparison between the historical load factors (for 2012 through 2021), and the projected load factors (for 2022 through 2031), based on the summer peak. The summer peak was chosen for this calculation because it is less volatile than the winter peak, which fluctuates widely over the historical years because cold winters have occurred only sporadically. Both historical and forecasted load factors are similar in magnitude. Projected load factors are slightly lower than what has been reported historically, due to peak demand growing slightly faster than NEL[4].

FRCC LOAD FACTORS
(Based on Summer Peak)

Historical Year	Load Factor	Forecasted Year	Load Factor
2012	0.574	**2022**	0.561
2013	0.568	**2023**	0.559
2014	0.560	**2024**	0.559
2015	0.585	**2025**	0.560
2016	0.557	**2026**	0.558
2017	0.567	**2027**	0.557
2018	0.593	**2028**	0.557
2019	0.569	**2029**	0.555
2020	0.598	**2030**	0.554
2021	0.595	**2031**	0.553

Table 5
FRCC Load Factors

Forecasting models and methodologies used for developing energy sales and peak demand forecasts are delivering current projections that appear reasonable based on historical data and recent forecasts. The inputs and assumptions were also reasonable and appropriate given current trends. As a result of this evaluation, the FRCC LFWG concludes that the load forecast is suitable and reasonable for use in reliability assessment analyses.

8.0 FRCC Transmission

FRCC members and FRCC staff perform various annual transmission planning studies addressing the NERC TPL-001-4 (and its soon-to-be-effective revision, TPL-001-5) Transmission Planning Reliability Standard. These studies include near-term (years one through five), and longer-term (years six through ten) forecasted peak load conditions and certain additional system sensitivity conditions (e.g., extreme weather, off-peak conditions, spare equipment strategies). The studies include existing and planned Facilities within the FRCC Region, though the assumptions for the longer-term are more tenuous given the uncertainty of generation and transmission expansion plans that are still under review and the location and timing of the projected loads.

The most recent studies of the Bulk Electric System (BES) transmission system demonstrate the adequacy of the BES within the FRCC Region under Planning and Extreme events in NERC Reliability Standard TPL-001-4/5. The studies concluded that potential steady-state thermal and voltage performance violations can be resolved by operator intervention to meet the NERC TPL Standard after planned system adjustments and Corrective Action Plans are implemented as planned by FRCC members. The studies also found that Corrective Action Plans of FRCC members will resolve all short-circuit breaker duty screening exceptions. Finally, the studies show that the system is expected to perform within all TPL Standard stability performance criteria. Thus, based on the current study assumptions, there is no need for new regional infrastructure to support reliability other than the infrastructure that FRCC members already have planned.

9.0 FRCC Fuel Reliability

Long-term adequacy reviews consider the potential of natural gas supply or delivery disruptions on the long-term adequacy of FRCC resources to meet customer load. The FRCC has undertaken initiatives to increase coordination among natural gas pipeline operators and generators within the FRCC Area. The FRCC, through its Fuel Reliability Working Group (FRWG), provides the administrative oversight of a regional fuel reliability forum that assesses the interdependencies of fuel availability and electric reliability in the near-term.

Results of the most recent analysis indicate that risk to the reliability of the power system within the FRCC related to projected shorter-term gas delivery disruptions for normal winter peak loads can be mitigated through use of dual fuel units and increased fuel management coordination. Extreme winter loads could challenge generating capacity as well as the level of shorter-term gas delivery disruption mitigation available.

The *FRCC Generating Capacity Shortage Plan* distinguishes between generating capacity shortages caused by (1) abnormally high system loads or unavailable generating facilities or (2) inadequate fuel supply. The two types have distinct initiating events and require unique responses to ensure optimal state-wide communication and coordination to minimize impacts of shortages on the people of Florida. The procedure provides the FRCC Operating Committee (OC) a process to allow for proper communication and coordination between the FRCC Reliability Coordinator (RC) and the natural gas pipeline operators as necessary. In addition, the FRCC Operating Reliability Subcommittee (ORS), through its FRWG continues to periodically review and assess various aspects of the current fuel supply infrastructure in terms of reliability for generating capacity.

For capacity constraints due to inadequate fuel supply, the FRCC State Capacity Emergency Coordinator (SCEC), along with the FRCC RC, can assess FRCC RC Area fuel supply status by initiating Fuel Data Status reporting by FRCC Operating Entities (OEs). This process requires the FRCC OEs to report their actual and projected fuel availability, along with alternate fuel capabilities, to serve their projected system loads. This is typically provided by type of fuel and expressed in terms relative to forecast loads or generic terms of unit output, depending on the event initiating the reporting process. Data is aggregated at the FRCC level and is provided from an FRCC RC Area perspective to the RC, SCEC and governmental agencies as requested. Fuel Data Status reporting is typically performed when threats to FRCC RC Area fuel availability have been identified and the results of the reporting are quickly integrated into an enhanced FRCC daily capacity assessment process along with various other coordination protocols. These processes help improve the accuracy of the reliability assessments of the Region and ensure coordination to minimize impacts of FRCC RC Area fuel supply issues and/or disruptions to facilities and customers.

Currently, the expected percentage of generation capacity (MW) whose primary fuel is natural gas is projected to reach 65.3% by 2031. A similar long-term forecast projects coal-fired generation to account for 2.14% of capacity, nuclear generation for 10.85% and oil-fired generation for 2.9% of generation resources. About 18.2% of capacity generation will be from Renewables (Solar, Municipal Solid Waste, Landfill Gas, etc.), Inter-Regional interchange, and miscellaneous fuels.

Regarding the percentage of total electrical energy (GWh) provided by natural gas, the use of natural gas is currently projected to remain high through the next ten years with the projected percentage being 65% in 2031.

Currently, with no natural gas production or storage within Florida, three major pipelines deliver more than 90% of the natural gas to the FRCC RC Area. Existing and planned pipeline capacity within the Region supports the increasing gas generation requirements driven from new gas-fired generators being constructed over the next 10 years. In the event of a short-term failure of key elements of natural gas delivery infrastructure, there is sufficient back-up fuel capability to meet projected demand on a short-term basis. However, additional coordination would be required in the event of a long-term failure of natural gas pipeline infrastructure.

FRCC OEs continue to utilize mitigation strategies to minimize the effects of short-term supply interruptions due to extreme weather during peak load conditions. These strategies include fuel storage, fuel supply and transportation diversity as well as alternate fuel capabilities. Absent long-term transportation outages, and based on current fuel diversity, alternate fuel capability and on-going coordination efforts, the FRCC does not anticipate any fuel transportation issues that will affect electric reliability during peak periods in the near-term.

10.0 FRCC Renewable Energy Resources

Nationally, the definition of renewable energy resources varies from state to state. While almost all states treat solar and wind as renewable resources, many states differ on the applicability of other forms of renewable resources such as municipal solid waste (MSW) facilities and some types of hydroelectric and waste heat from cogeneration facilities. The State of Florida has defined the term "Renewable Energy" in Florida Statute 366.91 as "electrical energy produced from a method that uses one or more of the following fuels or energy sources: hydrogen produced from sources other than fossil fuels, biomass, solar energy, geothermal energy, wind energy, ocean energy, and hydroelectric power. The term includes the alternative energy resource, waste heat from sulfuric acid manufacturing operations, and electrical energy produced using pipeline-quality synthetic gas produced from waste petroleum coke with carbon capture and sequestration." Furthermore, the term "Biomass" is defined as "a power source that is comprised of, but not limited to, combustible residues or gases from forest products manufacturing, waste, byproducts or products from agricultural and orchard crops, waste and co-products from livestock and poultry operations, waste and byproducts from food processing, urban wood waste, municipal solid waste (MSW), municipal liquid waste treatment operations, and landfill gas."

Twenty-seven States, Washington, D.C., and two territories have adopted a Renewable Portfolio Standard (RPS) and three states, and one territory have set renewable energy goals as of August 2021 [21]. Although the State of Florida does not have a Renewable Portfolio Standard (or a Clean Energy Standard), a portion of its energy is derived from renewable resources and a significant amount of energy, approximately 12%, is produced by emissions-free nuclear resources.

Total Renewable energy generation in 2021 for the FRCC Reliability Area was 10,208 GWh. Solar (84.2%), Biomass (5.8%), municipal solid waste (6.0%), and Landfill Gas (2.2%) provided the bulk of this 2021 renewable generation, as seen in ***Figure 7*** below.

Based on the utilities' TYSPs, renewable energy generation in the FRCC Reliability Area is projected to grow from 10,208 GWh in 2021 to 50,545 GWh by 2031 (4.1% of total NEL in 2021 to 18.3% of the NEL in 2031). Perhaps even more important is the increase in the contribution from solar: from 8,595 GWh in 2021 to 48,017 GWh in 2031 (2.5% of total NEL in 2021 to 14.4% of total NEL in 2031). ***Figure 8*** provides the projected values for 2031. FRCC and individual entities continue to monitor and evaluate penetration levels of renewable resources to ensure resource adequacy and system reliability.

One particular concern around the growth of utility-scale PV solar will be how it contributes to the firm peak calculation used in both reserve margin and LOLP analyses. Solar is typically given some percentage of its nameplate rating as a contribution to summer peaks; for summer, the amount varies and is determined by the individual utilities. This value varies from utility to utility as factors such as geographic location, technology

[21] https://www.ncsl.org/research/energy/renewable-portfolio-standards.aspx

type and expected time of system peak can affect the firm capacity value; for winter, solar typically receives no firm capacity value. This firm capacity contribution from solar will continue to be monitored as solar becomes a larger and larger part of FRCC member company's resource mix and utilities continue to integrate largescale battery storage. Importantly, while solar is expected to contribute to traditional peak hours, times of day with high or persistent cooling load without sunlight must be carefully examined to ensure sufficient firm capacity in such hours over the longer-term planning horizon. The operational combination of energy storage and solar must also be analyzed with more depth to understand the extent to which future solar output shapes can be optimized to support reliability.

Renewable energy resources and their contribution to overall FRCC Reserve Margin continues to be evaluated as penetration of these resources increases year to year. Measuring traditional reserve margins over a seasonal peak hour, while highly beneficial, is anticipated to be subject to reduced applicability in the context of resource adequacy as the amount of intermittent generation synched to the FRCC system increases. Energy sufficiency across all hours of the day, among other resource adequacy metrics, must be developed to better capture and communicate the long-term adequacy position of the FRCC. FRCC Members and staff continue to work on defining and evolving the standard of practice for such calculations, beginning with a focus on readily available data.

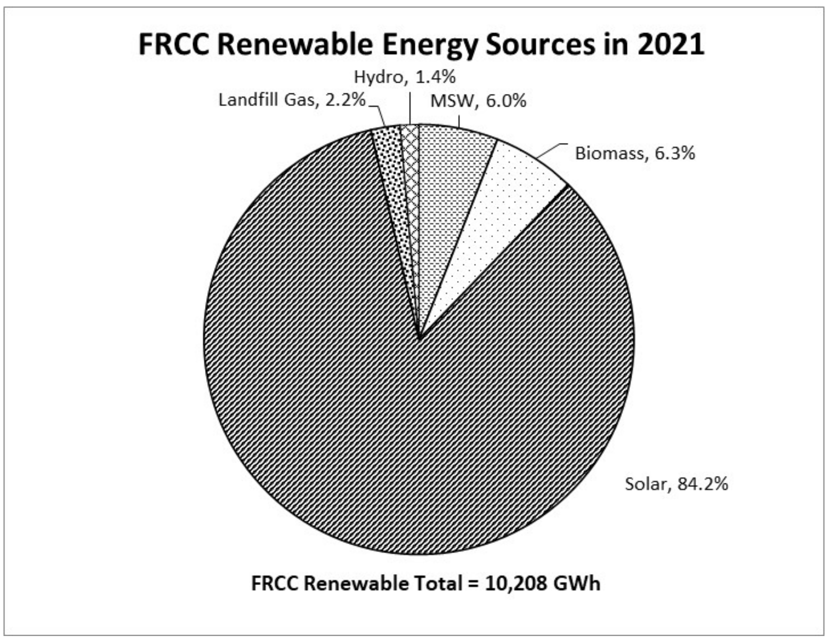

Figure 8
FRCC Renewable Energy Sources in 2021[22]

[22] This data is reflective of utility-scale installations and does not include the impacts of Distributed Energy Resources.

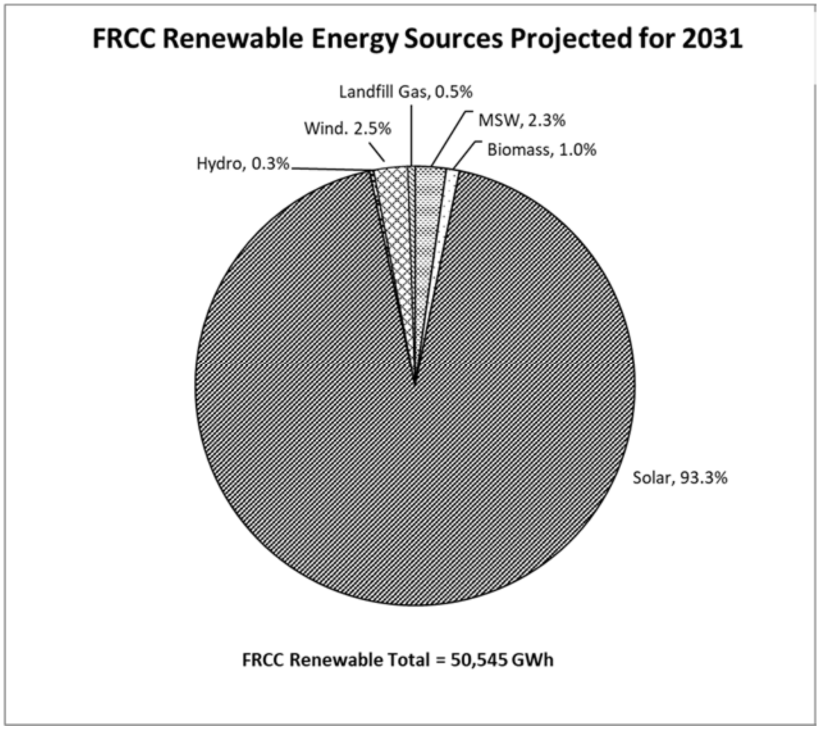

Figure 9
FRCC Renewable Energy Sources Projected for 2031

11.0 Battery Energy Storage in the FRCC Region

FRCC members continue to analyze additional opportunities to utilize battery storage systems as part of their resource portfolios. This includes combining battery storage with new or existing PV facilities or for other types of specific system support. FRCC members are considering batteries for a variety of purposes including, but not limited to contributing towards capacity, substation upgrade deferral, distribution line reconductoring deferral, power reliability improvement, frequency regulation, Volt/VAR support, backup power, energy capture, and peak load shaving.

FRCC members continue to gain experience with batteries and share experiences so that they will be better able to develop methodologies and protocols to properly account for battery contributions toward capacity, energy sufficiency and operational support as additional energy reliability assessments are performed in the future.

The FRCC Region currently has approximately 496 MW of firm summer capacity from battery storage and an additional 2,400 MW of firm summer capacity from battery storage facilities are planned through 2031. The FRCC Resource Subcommittee (RS) continues to analyze battery storage and its effect on resource planning.

12.0 References

12.1 ***2022 Regional Load & Resource Plan***

13.0 Review and Modification History

Review and Modification Log			
Date	Version Number	Description of Review or Modification	Sections Affected
06/04/2022	1	New document	All

14.0 Disclaimer

The information, analysis, requirements and/or procedures described herein are not intended to be fully inclusive of all activities that may support compliance to a specific NERC Reliability Standard referenced or implied within the document. Nevertheless, it is the FRCC entities' and other users' responsibility to ensure the most recent version of this document is being used in conjunction with other applicable procedures, including, but not limited to, the applicable NERC Reliability Standards as they may be revised from time to time.

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Exhibit RA-10:

Duke Energy Carolinas and Duke Energy Progress Effective Load Carrying Capability (ELCC) Study, Astrapé Consulting (April 25, 2022)

ASTRAPÉ CONSULTING
innovation in electric system planning

Duke Energy Carolinas and Duke Energy Progress Effective Load Carrying Capability (ELCC) Study

4/25/2022

PREPARED FOR

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Contents

I. Summary of Methodology and Results 4
A. Methodology 5
B. Solar and Storage Scope 7
C. Battery and Solar Modeling 8
D. Storage/Solar Surface Winter Results 9
E. Sensitivity – 6-Hour Standalone Winter Battery Capacity Values Beyond 4-Hour Values 14
F. Wind Resources 16
G. Wind/Solar Surface Scope 16
H. Winter Wind/Solar Surface Results 17
I. Winter ELCC Conclusions 18
II. Technical Modeling Appendix 19
A. SERVM Framework and Cases 19
B. Study Topology 19
C. Load Modeling 20
D. Economic Load Forecast Error 21
E. Conventional Resource Modeling 21
F. Renewable Resource Modeling 21
G. Summer Solar and Wind ELCC Values 25
H. Discussion of Reliability Metrics (LOLE vs. EUE) 26

List of Figures

Figure 1. Study Topology 19
Figure 2. Solar Location Map 22
Figure 3. Average January Solar 23
Figure 4. Average January Onshore and Offshore Wind Output 24
Figure 5. Peak Load Day January Onshore/Offshore Wind Output 24
Figure 6. LOLE Illustration 26

List of Tables

Table 1. DEC Solar Storage Surface Matrix 8
Table 2. DEP Solar Storage Surface Matrix 8
Table 3. DEC Winter Solar and Storage Results 10
Table 4. DEP Winter Solar and Storage Results 11
Table 5. DEC Winter Marginal Values 12
Table 6. DEP Winter Marginal Values 13
Table 7. DEC Winter 6-Hour after 4-Hour Battery 14
Table 8. DEP Winter 6-Hour after 4-Hour Battery 15
Table 9. DEC Winter 12-Hour Bad Creek 2 Sensitivity 15
Table 10. DEC Solar/Wind Surface Matrix 16
Table 11. DEP Solar/Wind Surface Matrix 16
Table 12. DEC Winter Wind Results 17
Table 13. DEP Winter Wind Results 18
Table 14. Load Forecast Error 21
Table 15. Summer Solar ELCC Values 25
Table 16. DEC LOLE vs EUE Winter Battery ELCC Results 28
Table 17. DEC LOLE vs EUE Winter Solar ELCC Results 28

I. Summary of Methodology and Results

This study was requested by Duke Energy Carolinas (DEC) and Duke Energy Progress (DEP) to analyze the capacity value of solar, storage, and wind within each system. Capacity value is the reliability contribution of a generating resource and is the fraction of the rated capacity considered to be firm. Average seasonal capacity values are used for reserve margin calculation purposes and seasonal marginal values can be used for expansion planning. Both Companies are winter planning due to winter peak loads and the amount of solar on the systems. As more solar is added, Loss of Load Expectation (LOLE) is shifted to the winter when solar provides less reliability contribution. Because of this winter planning, the winter capacity values were the focus of the study which can then be used for reserve margin accounting and expansion planning purposes.[1]

Because solar and wind are intermittent resources, a solar or wind facility's ability to provide reliable capacity when it is needed is different from that of a fully dispatchable resource such as a gas-fired turbine, which can be called upon in any hour to produce energy, notwithstanding unit outages. Similarly, battery systems have limited energy storage capability and must be recharged, either from the grid or a dedicated generation resource. A battery's ability to reliably provide capacity when it is needed will also differ from that of a fully dispatchable resource. The study results provide the winter capacity value for solar, storage, and wind which are used in the Companies' Carbon Plan and Integrated Resource Plans.

[1] The Appendix includes one set of summer ELCC values for solar and wind for purposes of calculating DEC and DEP summer reserve margins. For determining marginal resources, the summer capacity values have no impact on plans because capacity needs are driven by the winter and resource adequacy risk is in the winter season given the level of solar being included in the plans.

A. Methodology

Astrapé performed this Effective Load Carrying Capacity (ELCC) study using the Strategic Energy Risk Valuation Model (SERVM) which is the same model used for DEC and DEP's past Resource Adequacy and ELCC Studies. The terms capacity value and ELCC are often used interchangeably for the purposes of this report. Additional details of the model setup and assumptions are included in the Technical Modeling Appendix of this report.

The Effective Load Carrying Capacity (ELCC) methodology was used to calculate the capacity value of the resource being studied. A "base" case of the system with no solar or storage was developed that resulted in the DEC and DEP systems achieving the 1 day in 10-year industry standard of 0.1 Loss of Load Expectation (LOLE). This is a common industry standard and ensures that these resources are being evaluated within a reliable system. Once the "base" case is established, battery, solar, and/or wind resources are added to the system. The additional resources improve LOLE to less than 0.1. Next, load is increased by adding a negative resource until the LOLE is returned to the same seasonal reliability as seen in the Base Case.[2] The ratio of the additional load to the additional resource being added is the reliability contribution or ELCC of the battery or renewable resource. For example, if 100 MW of battery is added and achieves the same Base Case seasonal LOLE after adding 90 MW of load, the ELCC is 90% (90 MW divided by 100 MW).

[2] Because it is difficult to return cases back to the exact seasonal reliability, several load levels were analyzed for each setup and interpolation was performed to determine the amount of load added to return to the Base Case seasonal LOLE.

As part of the 2020 IRP filed by the Companies, the Public Service Commission of South Carolina required the Companies to make several adjustments to its solar and storage ELCC studies. [3] For the Companies' Carbon Plan the following items have been taken into account in this study.

1. Perform Surface ELCCs for Solar and Storage –

   To accommodate the surface ELCC, Astrapé performed solar only ELCC analyses, storage only ELCC analyses, and storage and solar aggregated ELCC analysis to ensure any synergistic benefits were included. As laid out in the report, this analysis was performed over a broad range of capacity and storage durations. Previously, in the 2020 Storage ELCC Study, the storage ELCC analysis was performed with significant solar on the system, so all synergistic value was given to storage. Similar surface analysis was performed for wind and solar.

2. Use of 2035 Load Forecasts in the Analysis-

   Utilizing the 2035 load forecast captures a larger system and provides these resources more capacity value as the penetration increases. [4]

3. Use higher capacity factor solar resources –

   All future solar additions were modeled as bifacial, single-axis tracking resources.

4. Incorporate the Company's Winter Peak Demand Reduction Potential Assessment-

   The Winter Peak Study, which included additional demand response programs, adds demand response capacity in both winter and summer. [5]

[3] South Carolina Docket Nos. 2019-224-E and 2019-225-E, Order No. 2021-447, June 28, 2021, at 87.
[4] Given this assumption, ELCCs could potentially be overstated prior to 2035.
[5] The 2020 Winter Peak Demand Reduction Potential Assessment (also referred to as the Winter Peak Study) was prepared for Duke Energy by Dunsky Energy Consulting in partnership with Tierra Resource Consultants. The objective of the study was to identify the potential for new demand response programs and measures to reduce the

B. Solar and Storage Scope

Astrapé calculated the average ELCC of solar and battery energy storage systems as shown in Tables 1 and 2 for both Companies. These tables show the surface that was analyzed across solar and storage resources for each Company. The highlighted blue cells were simulated representing only solar, only storage, and aggregated solar and storage scenarios. Each of the matrices were duplicated for 2-hour, 4-hour, 6-hour, 8-hour, and 12-hour storage systems. The surface methodology allows modelers to understand the benefit of each resource alone and together to determine any synergistic values the resources may have with one another. There is synergistic benefit between solar and storage resources because the resources work together to increase their value from a resource adequacy perspective. After adding a fixed solar profile, the net peak load (gross load minus solar) is typically narrower allowing for short duration storage to better serve the new net load peak.

winter peak demand in each of the DEC and DEP systems. The Winter Peak Study reports were filed with the NCUC in Docket No. E-100, Sub 165.

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Table 1. DEC Solar Storage Surface Matrix[6]

		Solar MW						
	DEC	-	2,000	3,000	4,000	6,000	8,000	8,000
Battery MW	-							
	300							
	600							
	1,200							
	2,400							
	3,200							

Table 2. DEP Solar Storage Surface Matrix

		Solar MW						
	DEP	-	3,000	4,500	6,000	7,500	9,000	12,000
Battery MW	-							
	450							
	900							
	1,800							
	3,600							
	4,800							

C. Battery and Solar Modeling

For this study, battery resources were modeled in economic arbitrage mode. The objective of economic arbitrage mode is to maximize the economic value of the battery. In this mode, SERVM schedules the battery to charge at times when system energy costs are low, and to discharge when system energy costs are high. This type of dispatch aligns well with resource adequacy risks, meaning the battery will be available to discharge during peak net load conditions when loss of load events are most likely to occur. In this mode, SERVM offers recourse options during a

[6] The black highlighted areas were not simulated. If it became necessary, these values could be interpolated based on the simulated values.

reliability event. In other words, SERVM allows the schedule of the battery to be adjusted in real time, and discharge if its state of charge is greater than zero to avoid firm load shed. This method also assumes the utility has full control of the battery and best represents how batteries are expected to be operated on the DEC and DEP systems. Batteries were assumed to have no limits on ramping capability or constraints on number of cycles per day outside of the ability to charge the battery. Batteries were given an equivalent forced outage rate ("EFOR") of 2.4% compared to the negative resource (modeled as load) that was given a 4% outage rate.[7] By modeling resources with their unit specific EFOR values, all resources are captured on a level playing field. Solar was modeled with hourly profiles as described in the Technical Appendix, and a 2.7% outage rate. All new solar was based on bifacial single-axis tracking profiles.

D. Storage/Solar Surface Winter Results

Tables 3 and 4 show the average winter ELCC for battery without any solar included in the setup, solar without any battery included in the setup, and the synergistic ELCC's when both are included. For DEC, battery levels were modeled from 0 to 3,200 MW and solar resources from 0 to 8,000 MW. The synergistic values are higher than the single resource values especially as penetrations increase.

[7] The 4% outage rate represents the high end of new thermal resources such as new combined cycle or combustion turbine resources.

Table 3. DEC Winter Solar and Storage Results[8]

Solar MW	Battery MW	Duration Hours	Average Battery Capacity Value (no solar included)	Average Solar Capacity Value (no battery included)	Average Battery Capacity Value including any synergistic value	Average Solar Capacity Value including any synergistic value
2,000	200	2	99.2%	6.1%	100.0%	6.5%
3,000	400	2	97.8%	5.0%	100.0%	5.0%
4,000	600	2	96.4%	4.1%	98.7%	4.1%
5,000	800	2	95.1%	3.4%	95.7%	3.8%
2,000	300	4	99.5%	6.1%	99.9%	6.1%
3,000	600	4	99.8%	5.0%	99.8%	5.1%
4,000	1,200	4	98.5%	4.1%	98.8%	4.3%
5,000	2,400	4	87.3%	3.4%	94.0%	3.7%
6,000	3,200	4	73.5%	2.9%	88.4%	3.3%
8,000	3,200	4	73.5%	2.4%	88.6%	3.0%
2,000	300	6	99.8%	6.1%	100.0%	6.1%
3,000	600	6	99.4%	5.0%	100.0%	5.0%
4,000	1,200	6	97.4%	4.1%	99.3%	4.3%
5,000	2,400	6	88.7%	3.4%	95.6%	3.7%
6,000	3,200	6	79.2%	2.9%	91.7%	3.3%
8,000	3,200	6	79.2%	2.4%	91.8%	2.8%
2,000	300	8	99.6%	6.1%	99.6%	6.1%
3,000	600	8	99.6%	5.0%	99.6%	5.1%
4,000	1,200	8	98.1%	4.1%	98.3%	4.3%
5,000	2,400	8	89.6%	3.4%	94.7%	3.6%
6,000	3,200	8	79.8%	2.9%	91.0%	3.2%
8,000	3,200	8	79.8%	2.4%	92.6%	2.8%
2,000	300	12	99.8%	6.1%	100.0%	6.1%
3,000	600	12	99.5%	5.0%	99.8%	5.1%
4,000	1,200	12	97.7%	4.1%	98.3%	4.2%
5,000	2,400	12	90.2%	3.4%	94.8%	3.6%
6,000	3,200	12	82.1%	2.9%	92.1%	3.1%
8,000	3,200	12	82.1%	2.4%	92.7%	2.8%

[8] All values have been curve fitted to reflect smooth curves across the solar and storage penetrations resulting in minor adjustments for reporting purposes.

The same results are shown for DEP. The solar was simulated up to 12,000 MW and battery was simulated up to 4,800 MW.

Table 4. DEP Winter Solar and Storage Results[9]

Solar MW	Battery MW	Duration Hours	Average Battery Capacity Value (no solar included)	Average Stand-Alone Solar Capacity Value (no battery included)	Average Battery Capacity Value including any synergistic value	Average Solar Capacity Value including any synergistic value
3,000	300	2	97.7%	7.7%	100.0%	8.2%
4,500	600	2	91.2%	6.3%	96.2%	6.4%
6,000	900	2	84.8%	5.2%	90.4%	5.3%
7,500	1,200	2	78.4%	4.4%	83.3%	4.8%
3,000	450	4	100.0%	7.7%	100.0%	7.8%
4,500	900	4	95.8%	6.3%	96.6%	6.5%
6,000	1,800	4	86.9%	5.2%	88.4%	5.5%
7,500	3,600	4	68.3%	4.4%	73.4%	4.7%
9,000	4,800	4	55.3%	3.8%	64.5%	4.2%
12,000	4,800	4	55.3%	3.3%	64.5%	3.9%
3,000	450	6	100.0%	7.7%	100.0%	7.7%
4,500	900	6	97.5%	6.3%	98.3%	6.5%
6,000	1,800	6	93.5%	5.2%	94.5%	5.5%
7,500	3,600	6	78.2%	4.4%	84.1%	4.8%
9,000	4,800	6	62.5%	3.8%	75.1%	4.3%
12,000	4,800	6	62.5%	3.3%	75.1%	4.0%
3,000	450	8	100.0%	7.7%	100.0%	7.7%
4,500	900	8	97.8%	6.3%	98.8%	6.4%
6,000	1,800	8	95.0%	5.2%	96.4%	5.5%
7,500	3,600	8	81.6%	4.4%	87.3%	4.7%
9,000	4,800	8	66.9%	3.8%	78.0%	4.2%
12,000	4,800	8	66.9%	3.3%	78.0%	3.9%
3,000	450	12	100.0%	7.7%	100.0%	7.8%

[9] At the low battery capacity levels (450-900 MW), additional Monte Carlo outage iterations are likely required to understand any clear differences between battery durations which are showing capacity values all near 100%. For reporting purposes, minor adjustments were made. For example, if the 450 MW 8 hour was interpolated at 99% it was adjusted to 100% since the 6-hour showed 100% for 450 MW. All values have been curve fitted to reflect smooth curves across the solar and storage penetrations resulting in minor adjustments for reporting purposes.

4,500	900	12	97.8%	6.3%	98.8%	6.4%
6,000	1,800	12	95.6%	5.2%	96.5%	5.4%
7,500	3,600	12	85.2%	4.4%	88.8%	4.6%
9,000	4,800	12	71.1%	3.8%	79.3%	4.1%
12,000	4,800	12	71.1%	3.3%	79.3%	4.0%

Tables 5 and 6 show the same ELCC results but calculated as the marginal ELCC. These include any synergistic value between the solar and storage. The marginal values were developed by curve fitting the average results to a polynomial and taking the first derivative. A single set of solar winter values were reported since all the values were similar across all the battery durations. The marginal ELCC represents the next MW at each point in the penetration. For example, the 2401st MW of 4-hour storage is worth 79.4%.

Table 5. DEC Winter Marginal Values

Solar	Battery	Duration	Marginal Battery including any synergistic values	Marginal Solar including any synergistic values
2,000	200	2	100.0%	
3,000	400	2	98.0%	
4,000	600	2	93.9%	
5,000	800	2	89.8%	
2,000	300	4	100.0%	3.1%
3,000	600	4	100.0%	2.4%
4,000	1,200	4	94.9%	1.8%
5,000	2,400	4	79.4%	1.2%
6,000	3,200	4	69.0%	1.1%
2,000	300	6	100.0%	
3,000	600	6	100.0%	
4,000	1,200	6	96.2%	
5,000	2,400	6	85.2%	
6,000	3,200	6	77.9%	
2,000	300	8	100.0%	
3,000	600	8	99.3%	
4,000	1,200	8	95.0%	
5,000	2,400	8	86.5%	
6,000	3,200	8	80.8%	

2,000	300	12	100.0%	[redacted]
3,000	600	12	98.7%	[redacted]
4,000	1,200	12	95.0%	[redacted]
5,000	2,400	12	87.6%	[redacted]
6,000	3,200	12	82.7%	[redacted]

Table 6 shows the same information for DEP. At some point, batteries will flatten the net load shape, removing the arbitrage opportunity, making the value of the next MW of short duration storage much less valuable.

Table 6. DEP Winter Marginal Values

Solar	Battery	Duration	Marginal Battery including any synergistic values	Marginal Solar including any synergistic values
3,000	300	2	100.0%	[redacted]
4,500	600	2	85.1%	[redacted]
6,000	900	2	70.2%	[redacted]
7,500	1,200	2	55.4%	[redacted]
3,000	450	4	93.7%	4.7%
4,500	900	4	86.8%	3.2%
6,000	1,800	4	73.1%	1.7%
7,500	3,600	4	45.8%	1.7%
9,000	4,800	4	27.5%	1.6%
3,000	450	6	100.0%	[redacted]
4,500	900	6	97.9%	[redacted]
6,000	1,800	6	84.9%	[redacted]
7,500	3,600	6	59.0%	[redacted]
9,000	4,800	6	41.6%	[redacted]
3,000	450	8	100.0%	[redacted]
4,500	900	8	100.0%	[redacted]
6,000	1,800	8	88.5%	[redacted]
7,500	3,600	8	62.2%	[redacted]
9,000	4,800	8	44.7%	[redacted]
3,000	450	12	100.0%	[redacted]
4,500	900	12	100.0%	[redacted]
6,000	1,800	12	90.4%	[redacted]
7,500	3,600	12	64.2%	[redacted]
9,000	4,800	12	46.7%	[redacted]

In addition to standalone solar and standalone storage resources, the Companies also include storage that is "DC coupled" with solar in their capacity expansion model. While not explicitly analyzed in this study, it is reasonable to assume that the ELCC of the solar resource and the ELCC of the storage resource are additive. As an example, a 100 MW solar facility that is DC-coupled with a 50 MW, 4-hour storage facility in DEP should have a firm capacity rating of approximately 52 MW (100 MW solar * 4.7% + 50 MW, 4-hour storage * 93.7%).

E. Sensitivity – 6-Hour Standalone Winter Battery Capacity Values Beyond 4-Hour Values

Additional surface analysis was performed to understand how 6-hour storage performed after significant 4-hour storage had already been added to the system. For these runs, storage and solar were added together as in the previous analysis to capture the synergistic value. The results are listed in Tables 7 and 8.

Table 7. DEC Winter 6-Hour after 4-Hour Battery

Solar	Battery	Duration	Average Battery Capacity Value (including any synergistic value)	Marginal Battery Capacity Value (including any synergistic value)
2,000	300	4	100%	100%
3,000	600	4	100%	100%
4,000	1,200	4	99%	95%
5,000	2,400	4	94%	79%
6,000	3,200	4	88%	69%
8,000	4,000	6	81%	51%
8,000	5,000	6	74%	38%

Table 8. DEP Winter 6-Hour after 4-Hour Battery

Solar	Battery	Duration	Average Battery Capacity Value (including any synergistic value)	Marginal Battery Capacity Value (including any synergistic value)
3,000	450	4	100%	94%
4,500	900	4	97%	87%
6,000	1,800	4	88%	73%
7,500	2,300	6	90%	85%
7,500	2,800	6	87%	68%

One last sensitivity was performed for DEC evaluating the existing Bad Creek Pump Hydro Facility. DEC's existing Bad Creek (BC1) is modeled with 19 hours of storage and 1,640 MW of capacity. Because of its long duration, existing pump storage on the system was assumed to provide nearly 100% capacity value. DEC is evaluating adding a second powerhouse (Bad Creek 2 or BC2) at the existing Bad Creek 1 facility. In that case, Bad Creek 1 is reduced to 12 hours and an incremental 1,680 MW of 12-hour duration storage capacity is added. To assess the impact of reduced duration of Bad Creek 1 on the incremental 12-hour storage created by the addition of Bad Creek 2, the 12-hour surface analysis was rerun assuming a lower duration BC1. This analysis, depicted in Table 9, determined that the capacity value of incremental 12-hour storage decreases slightly with a reduction in BC1 storage duration.

Table 9. DEC Winter 12-Hour Bad Creek 2 Sensitivity

Solar	Battery	Duration	Average Battery Capacity Value BC1 @ 19 hours including any synergistic value	Marginal Battery Capacity Value BC1 @ 19 storage including any synergistic value	Average Battery Capacity Value BC1@ 12 hours including any synergistic value	Marginal Battery Capacity Value BC1@ 12 hours including any synergistic value
2,000	300	12	100.0%	100.0%	100.5%	100.0%
3,000	600	12	99.8%	98.7%	99.6%	98.3%
4,000	1,200	12	98.3%	95.0%	97.7%	93.6%
5,000	2,400	12	94.8%	87.6%	93.5%	84.1%
6,000	3,200	12	92.1%	82.7%	90.2%	77.8%

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F. Wind Resources

Wind resources were modeled as hourly profiles provided by the Companies. The Technical Appendix provides more information surrounding these shapes. Wind profiles were provided assuming a 2.6% outage rate compared to the negative resource that was assumed to have a 4% outage rate.

G. Wind/Solar Surface Scope

Astrapé calculated the average ELCC of wind and solar as laid out in Tables 10 and 11 for both Companies. The highlighted blue cells were simulated representing only wind, only solar, and aggregated solar and wind scenarios. Each of the matrices were duplicated for offshore and onshore wind for both Companies.

Table 10. DEC Solar/Wind Surface Matrix

		Solar MW			
	DEC	-	2,000	4,000	6,000
Wind MW	-				
	1,000				
	2,000				
	3,000				

Table 11. DEP Solar/Wind Surface Matrix

		Solar MW			
	DEP	-	3,000	6,000	9,000
Wind MW	-				
	1,000				
	2,000				
	3,000				

H. Winter Wind/Solar Surface Results

Tables 12 and 13 show the average winter ELCC for wind without any solar included in the setup, solar without any wind included in the setup, and the ELCC's when both are included to capture any synergistic value the resources have. There was very little synergistic value seen in the onshore wind and solar analysis but a higher amount in the offshore wind and solar analysis. DEC was modeled with solar from 0 to 6,000 MW and wind from 0 to 3,000 MW. DEP was modeled with solar from 0 to 9,000 MW and wind from 0 to 3,000 MW. The profiles provided by the Company showed substantial output during cold winter mornings in the offshore wind profiles.[10] Even for winter values, to see ELCC's of this magnitude for offshore wind, particularly in DEC, is not intuitive and it is recommended that the Companies continue to understand offshore wind profiles especially during extreme cold periods.

Table 12. DEC Winter Wind Results

Solar MW	Wind MW	Offshore/ Onshore	Average Wind Capacity Value (no solar included)	Average Solar Capacity Value (no wind included)	Average Wind Capacity Value (including any synergistic value)	Average Solar Capacity Value (including any synergistic value)	Marginal Wind Capacity Value (including any synergistic value)
2,000	1,000	Onshore	39.9%	6.1%	40.7%	6.6%	29.1%
4,000	2,000	Onshore	36.9%	4.1%	36.9%	3.9%	32.0%
6,000	3,000	Onshore	35.8%	2.9%	34.9%	3.0%	35.0%
2,000	1,000	Offshore	89.5%	6.1%	94.9%	6.9%	86.6%
4,000	2,000	Offshore	84.2%	4.2%	89.3%	4.3%	80.7%
6,000	3,000	Offshore	76.4%	2.9%	85.5%	3.4%	74.8%

[10] Profiles are based on "ERA5" climate and weather data from the European Centre for Medium-Range Weather Forecasts. More information can be found at: https://cds.climate.copernicus.eu/cdsapp#!/dataset/reanalysis-era5-single-levels?tab=overview

Table 13. DEP Winter Wind Results

Solar MW	Wind MW	Offshore/ Onshore	Average Wind Capacity Value (no solar included)	Average Solar Capacity Value (no wind included)	Average Wind Capacity Value (including any synergistic value)	Average Solar Capacity Value (including any synergistic value)	Marginal Wind Capacity Value (including any synergistic value)
3000	1000	Onshore	44.3%	7.7%	43.2%	7.8%	42.1%
6000	2000	Onshore	40.9%	5.2%	41.9%	5.4%	39.2%
9000	3000	Onshore	39.1%	3.8%	40.5%	4.1%	36.3%
3000	1000	Offshore	72.8%	7.7%	81.8%	6.9%	69.7%
6000	2000	Offshore	71.4%	5.2%	74.4%	5.5%	64.3%
9000	3000	Offshore	67.6%	3.8%	70.1%	4.1%	58.9%

I. Winter ELCC Conclusions

Winter ELCC's are a driver in resource plans for the Companies. Astrapé has taken an approach to recognize the synergistic value of combinations of resources. The winter storage ELCC's are at or near 100% for the first couple of battery tranches, but eventually these values will drop dramatically given winter load shapes can remain high across the day. Once enough storage is on the system, the net loads flatten to the point storage is needed in both the evening and morning peaks with limited reserve capacity available throughout the night to recharge the batteries. Solar values remain low during the winter as the risk of load shed is mostly during the early morning hours. The ELCC of onshore wind is in the 30-40% range while the ELCC of offshore wind was calculated to be north of 60%. This is driven by the ERA-5 shapes provided by the Company which show extremely high wind output during the coldest winter mornings. The average winter values should be used for reserve margin accounting and the marginal winter values should be used for marginal resource decision making since the needs of the Companies are in the winter.

II. Technical Modeling Appendix

The following sections include a discussion on the setup and assumptions used to perform the ELCC study. The Study utilized the framework from the 2020 Resource Adequacy study and updated the following inputs.

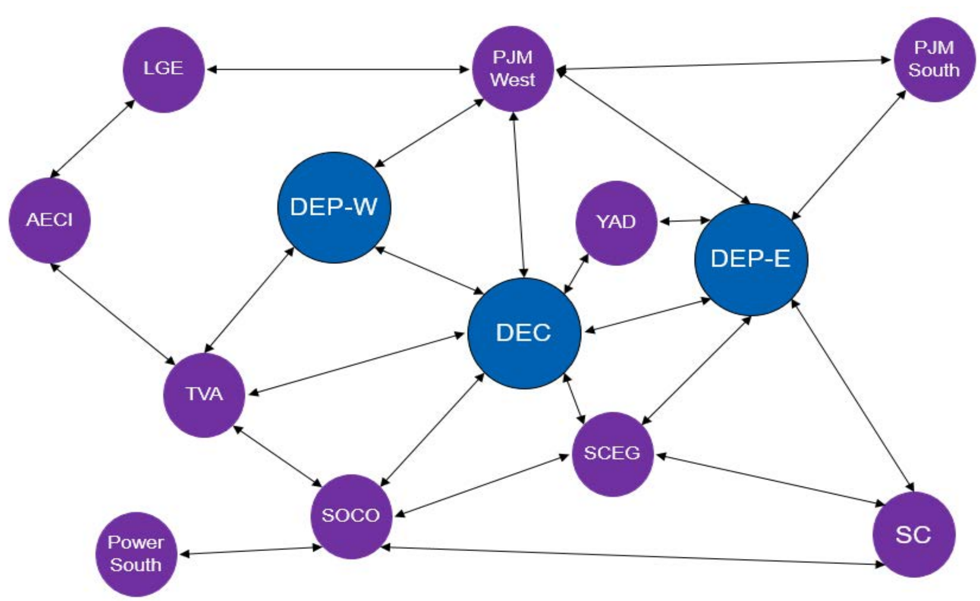
A. SERVM Framework and Cases

The study uses the same framework as the Base Case 2020 Resource Adequacy Study but was updated to model study year 2026 and included forty-one weather years (1980 – 2020), five load forecast error multipliers, and Monte Carlo generator outages.

B. Study Topology

The 2020 Resource Adequacy study was updated to include the additional SEEM entities Louisiana Gas and Electric (LGE), Associated Electric Cooperative Incorporated (AECI), and Power South. The study topology is shown below in Figure 1.

Figure 1. Study Topology



In order to reduce the simulation time for the ELCC analysis, the neighbors were tuned to 0.1 reliability in a calibration study. Purchases were derived from this calibration study to simulate the benefit received from the market. This allowed DEC and DEP to be simulated as islands for all the ELCC analyses.

C. Load Modeling

The load modeling was updated to model forty-one historical weather years (1980- 2020). The same methods used in the 2020 Resource Adequacy Study were used for this update. Based on the last five years of historical weather and load, a neural network program was used to develop relationships between weather observations and load. The historical weather consisted of hourly temperatures from weather stations across the DEC and DEP service territories. Other inputs into the neural net model consisted of hour of week, eight hour rolling average temperatures, twenty-four hour rolling average temperatures, and forty-eight hour rolling average temperatures. Different weather to load relationships were built for the summer, winter, and shoulder seasons. These relationships were then applied to the last forty-one years of weather to develop forty-one synthetic load shapes for 2026. Extreme peaks were corrected based on regression analysis examining extreme peak periods for both winter and summer. Equal probabilities were given to each of the forty-one load shapes in the simulation. The synthetic load shapes were scaled to align the normal summer and winter peaks to the Company's projected thirty-year weather normal load forecast for 2026.

D. Economic Load Forecast Error

Economic load forecast error multipliers from the 2020 Resource Adequacy were updated to reflect additional historical data. The updated values are shown in Table 14. Because the system is driven to 0.1 before the analysis begins, these assumptions don't drive the ELCC analysis significantly.

Table 14. Load Forecast Error

Load Forecast Error Multipliers	Probability %
0.96	10.4%
0.98	23.3%
1.00	32.5%
1.02	23.3%
1.04	10.4%

E. Conventional Resource Modeling

The resource mixes for DEC, DEP-E, and DEP-W were all updated to reflect any changes in the fleets since the 2020 Resource Adequacy Study was performed. Additionally, all modeled outage rates for the thermal fleet were updated to reflect the five most recent years of GADS data.

F. Renewable Resource Modeling

The solar units were modeled with updated forty-one solar shapes that represent forty-one years of weather data. The solar shapes were developed by Astrapé from data downloaded from the National Renewable Energy Laboratory (NREL) National Solar Radiation Database (NSRDB) Data Viewer. The data was then input into NREL's System Advisor Model (SAM) for each year and county to generate hourly profiles for both fixed and tracking solar profiles. Figure 2 below shows the county locations that were used and then Figure 3 shows the average August output for different fixed-tilt and single-axis-tracking inverter loading ratios.

Figure 2. Solar Location Map

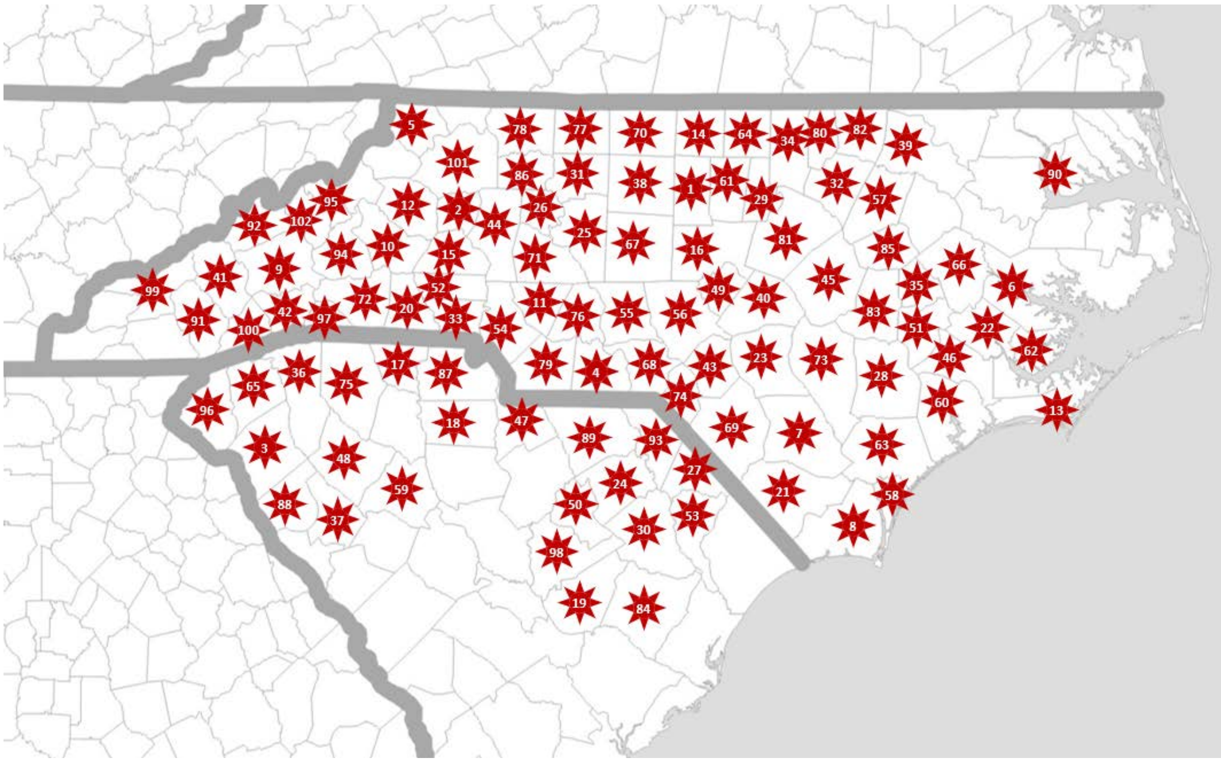
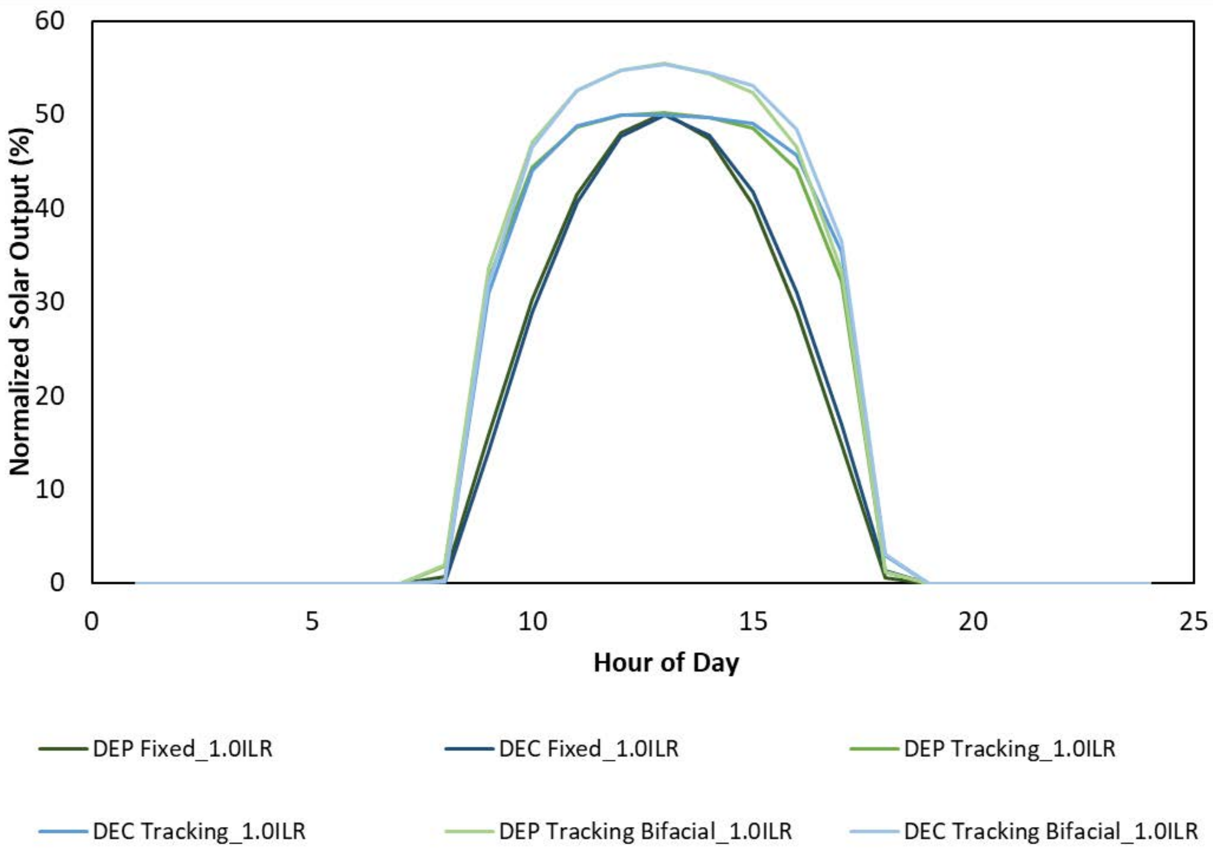


Figure 3. Average January Solar



The onshore and offshore wind profiles were provided by DEC and DEP and were derived from ERA-5 meteorological data. Figures 4 and 5 outline their average output and then a comparison of their output on peak days. Given the high output of offshore profiles on peak days, it is understandable that these profiles would result in a high ELCC value.

Figure 4. Average January Onshore and Offshore Wind Output

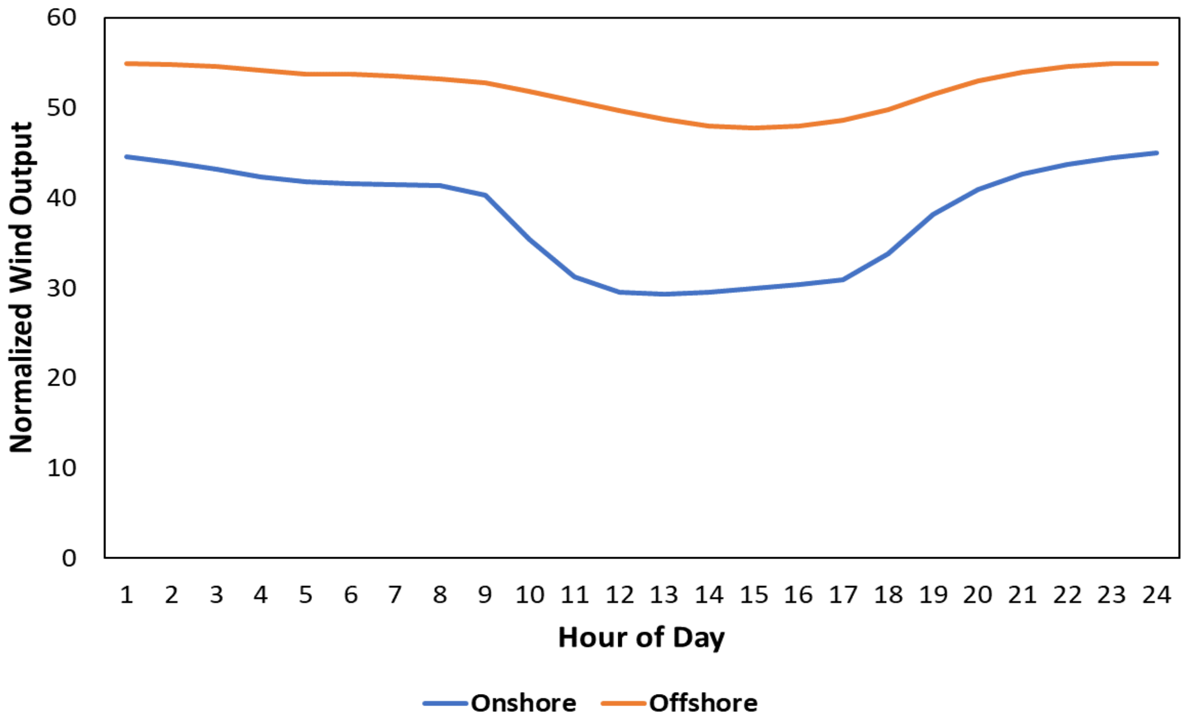
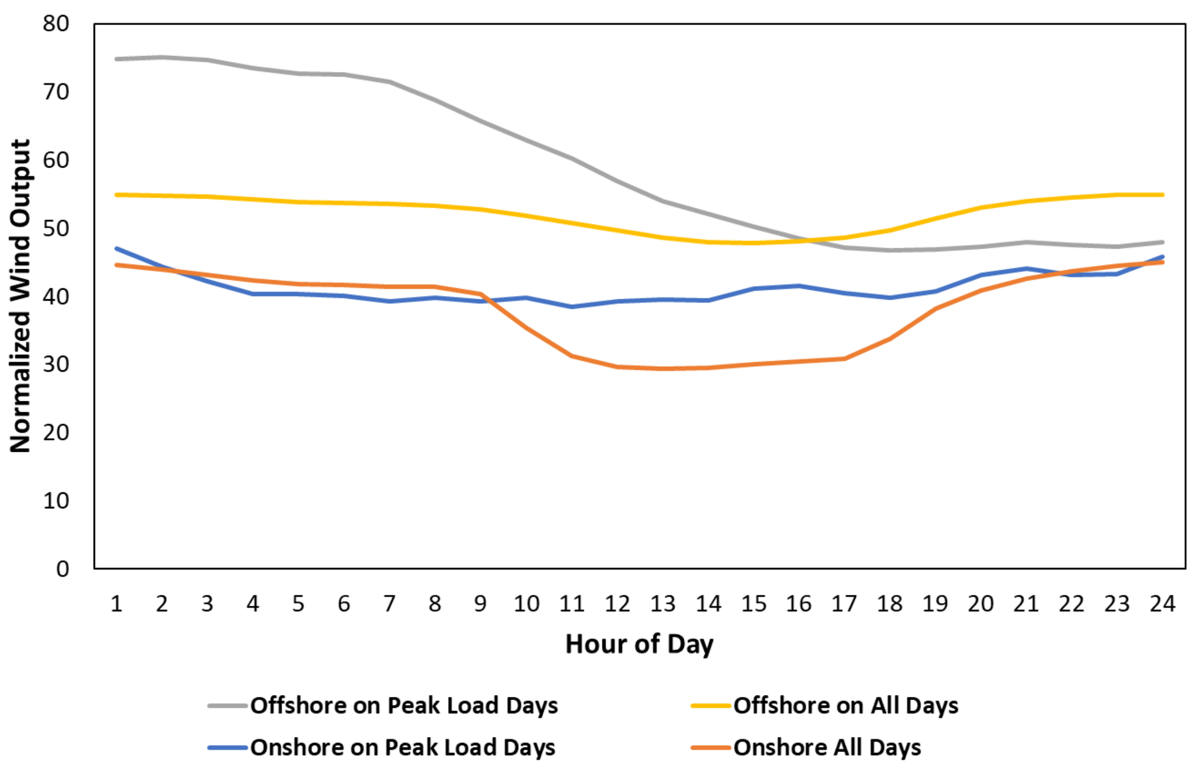


Figure 5. Peak Load Day January Onshore/Offshore Wind Output



G. Summer Solar and Wind ELCC Values

While summer was not the focus of this study, summer ELCC values were calculated for solar and wind for reserve margin accounting purposes. The Solar ELCC values are listed in Table 15 below. This analysis was only performed for DEC since there was summer LOLE in the Base Case before any solar was added. There was essentially zero LOLE in the summer in DEP even before solar is added so additional runs were not performed DEP because it would require manipulating the Base Case further to produce summer LOLE. These summer values give reasonable estimates for reserve margin accounting purposes and can be reasonably used for both Companies. But as discussed previously, because solar increases summer capacity more than winter capacity, summer reserve margins are increasing faster making future resource decisions driven by winter capacity need.

Table 15. Summer Solar ELCC Values

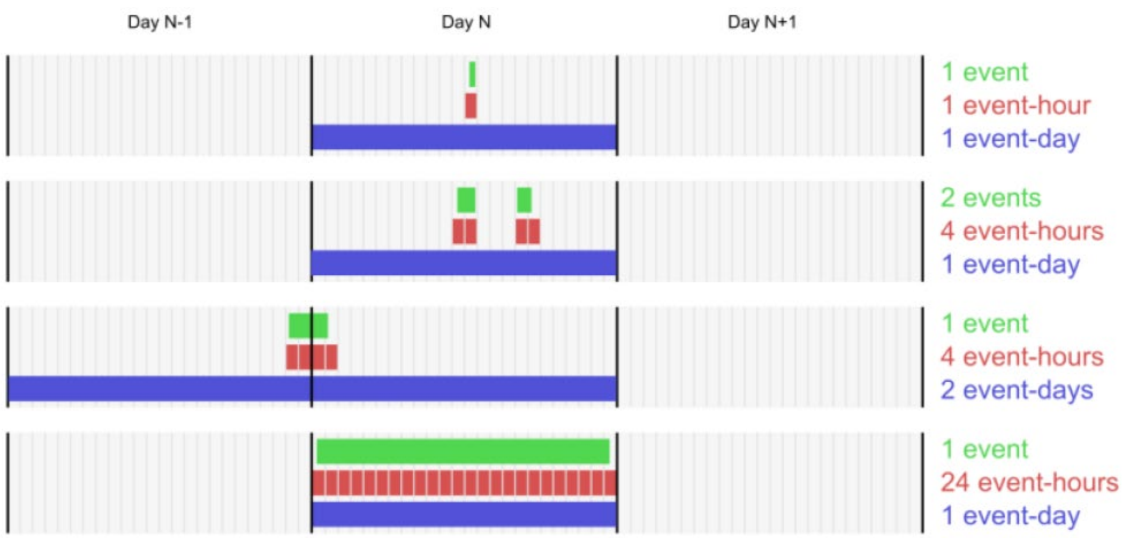
Solar MW	Storage (MW)	Summer Solar Average ELCC	Summer Solar Marginal ELCC
2000	300	67%	37.9%
3000	600	56%	34.3%
4000	1,200	51%	30.8%
5000	2,400	46%	24.0%
6000	3,200	42%	18.6%
8000	3,200	35%	7.9%

Onshore wind was found to provide approximately 11% in the summer and offshore wind was found to provide approximately 37% in the summer.

H. Discussion of Reliability Metrics (LOLE vs. EUE)

As part of the analysis, Astrapé did examine the impact the reliability metric used had on the ELCC values. Traditional resource adequacy only considers LOLE which counts the number of days customers are not served. LOLE is counted as one day whether the day has one hour or ten hours of load shed. Under this metric, two portfolios can have the same number of days of load shed but one portfolio could have substantially more load shed from an energy standpoint. This is illustrated in Figure 6 below where the first, second and fourth portfolios have the same number of days from a LOLE perspective but may differ in the number of hours and customer energy unserved.

Figure 6. LOLE Illustration[11]



Expected Unserved Energy (EUE) is another reliability metric which measures all customer energy demand not served. To better understand the impact a change in reliability metric may have on the results, Astrapé analyzed battery capacity values using EUE instead of LOLE as the ELCC

[11] Clarifying the Interpretation and Use of the LOLE Resource Adequacy Metric-2021 NERC Probabilistic Analysis Forum October 5th, 2021

metric. The winter results seen in Table 16 show that for short term storage, the capacity values based on EUE are substantially lower than of the LOLE results. This is logical because a 2-hour battery may still eliminate some events that a fully dispatchable resource can eliminate, but during events that remain it is likely that there will be more EUE with short duration battery. This is an interesting finding of the study that should be noted for future analysis. The opposite occurs for solar because solar cannot typically eliminate the entire event since most of the load shed in the winter events are before the sun rises, but it can eliminate EUE in hours 8 and 9. These results are shown in Table 17. For this reason, using EUE as the metric actually benefits solar. Planning reserve margin studies across the industry have used LOLE and the 1-day in 10-year standard so changing metrics for ELCC would create an accounting disconnect that would require further adjustments to the overall resource adequacy framework.

Table 16. DEC LOLE vs EUE Winter Battery ELCC Results

Battery (MW)	Duration(hours)	Average Battery Capacity Values with no solar included LOLE Base Results	Average Battery Capacity Values with no solar included EUE Results	Delta (EUE - LOLE)
400	2	97.8%	60.7%	-37.1%
600	2	96.4%	60.0%	-36.4%
800	2	95.1%	57.8%	-37.3%
600	4	99.8%	82.1%	-17.8%
1,200	4	98.5%	77.5%	-21.0%
2,400	4	87.3%	75.4%	-11.9%
3,200	4	73.5%	59.6%	-14.0%
600	6	99.4%	93.4%	-6.1%
1,200	6	97.4%	90.1%	-7.3%
2,400	6	88.7%	78.3%	-10.4%
3,200	6	79.2%	70.2%	-9.0%
600	8	99.6%	95.1%	-4.4%
1,200	8	98.1%	94.0%	-4.1%
2,400	8	89.6%	84.7%	-4.9%
3,200	8	79.8%	69.7%	-10.1%
600	12	99.8%	98.2%	-1.7%
1,200	12	99.5%	93.1%	-6.4%
2,400	12	97.7%	93.7%	-4.0%
3,200	12	90.2%	84.4%	-5.8%

Table 17. DEC LOLE vs EUE Winter Solar ELCC Results

Solar (MW)	Average Solar Capacity Value with no storage included LOLE Results	Average Solar Capacity Value with no storage included EUE Results
2,000	6.1%	8.2%
3,000	5.0%	6.2%
4,000	4.1%	5.7%
5,000	3.4%	5.1%
5,000	2.9%	4.9%
5,000	2.4%	3.8%

CERTIFICATE OF SERVICE

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