

APPENDIX A

REVIEW OF THE
2023 TEN-YEAR SITE PLANS
OF FLORIDA'S ELECTRIC UTILITIES



**FLORIDA PUBLIC
SERVICE COMMISSION**

NOVEMBER 2023

Ten-Year Site Plan Comments

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Department of Environmental Protection

Greg Davis

From: Senn, Nate <Nate.Senn@FloridaDEP.gov>
Sent: Thursday, June 15, 2023 12:56 PM
To: Patti Zellner; Phillip Ellis; Greg Davis
Cc: SCO
Subject: Ten-Year Site Plans - Siting Coordination Office Review

Good day,

The Department of Environmental Protection's Siting Coordination Office has reviewed the 2023 Ten-Year Site Plans for Florida's Electric Utilities and found the documents to be suitable for planning purposes.

Thanks,



Nate Senn

Florida Department of Environmental Protection
DWRM/Siting Coordination Office
Environmental Specialist
Nate.Senn@FloridaDEP.gov
Office: 850-717-9111



State Agencies

Fish and Wildlife Conservation Commission



July 17, 2023

Florida Fish and Wildlife Conservation Commission

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Chairman
Coral Gables

Steven Hudson
Vice Chairman
Fort Lauderdale

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Managing fish and wildlife resources for their long-term well-being and the benefit of people.

Greg Davis
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
GDavis@psc.state.fl.us

RE: Review of the 2023 Ten-Year Site Plans for Florida’s Electric Utilities

Dear Mr. Davis:

Florida Fish and Wildlife Conservation Commission (FWC) staff reviewed the 2023 Ten-Year Site Plans for the electric utilities operating in Florida submitted to the Florida Public Service Commission (PSC) pursuant to Section 186.801, Florida Statutes. There are no comments or recommendations related to listed species or other fish and wildlife resources to offer on the following plans:

- Florida Power & Light Company
- Duke Energy Florida
- Tampa Electric Company
- Florida Municipal Power Agency
- Gainesville Regional Utilities
- JEA
- Lakeland Electric
- Orlando Utilities Commission
- Seminole Electric Cooperative
- City of Tallahassee Utilities

FWC staff appreciates the opportunity to review the Ten-Year Site Plans submitted by the PSC. Please submit any future requests for assistance with fish and wildlife resources to our office at ConservationPlanningServices@MyFWC.com. For specific technical questions about this year’s reviews, please call Laura DiGruttolo at (850) 728-5147.

Sincerely,

Josh Cucinella
Land Use Planning Program Administrator
Office of Conservation Planning Services

jc/l
2023 Ten-Year Site Plans_07172023

620 South Meridian Street
Tallahassee, Florida
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MyFWC.com

State Agencies

FloridaCommerce

August 15, 2023

Mr. Greg Davis
Engineering Specialist
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2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

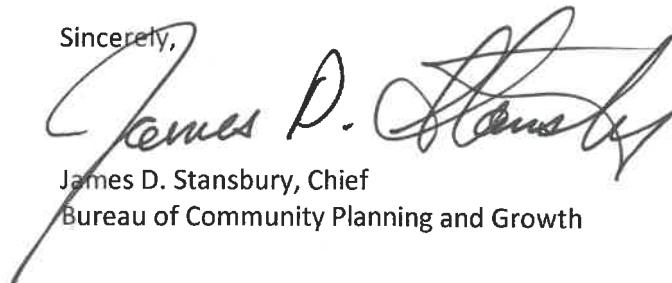
RE: Review of the 2023 Ten-Year Site Plans for Florida's Electric Utilities

Dear Mr. Davis:

At your request, we have reviewed the 2023 Ten-Year Site Plans for the electric utilities. FloridaCommerce's review focused on the potential and preferred sites for future power generation, and the compatibility of those sites with the applicable local comprehensive plan, including the adopted future land use map. Please see our enclosed comments.

Should you have any questions regarding these comments, please contact Scott Rogers, Regional Planning Analyst, at (850) 717-8510, or by email at Scott.Rogers@commerce.fl.gov.

Sincerely,



James D. Stansbury, Chief
Bureau of Community Planning and Growth

JDS/sr

Enclosure: FloridaCommerce Review Comments

FloridaCommerce 2023 Ten-Year Site Plan Review Comments

FloridaCommerce’s review focused on potential and preferred sites for future power generation, and the compatibility of those sites with the applicable local government comprehensive plan, including the adopted future land use map. In addition, FloridaCommerce’s comments provide information regarding the local zoning designation when the applicable future land use map designation for a site does not expressly address whether electric power generation facilities are allowed or prohibited. Seven utilities (Duke Energy Florida, Florida Municipal Power Agency, Florida Power and Light Company, Gainesville Regional Utilities, Lakeland Electric, Seminole Electric Cooperative, and Tampa Electric Company) have identified potential or preferred sites for future power generation in their Ten-Year Site Plan (TYSP). Potential sites are defined in Rule 25-22.070, Florida Administrative Code (F.A.C.), as “sites within the state that an electric utility is considering for possible location of a power plant, a power plant alteration, or an addition resulting in an increase in generating capacity.” Preferred sites are defined in Rule 25-22.070, F.A.C., as “sites within the state on which an electric utility intends to construct a power plant, a power plant alteration, or an addition resulting in an increase in generating capacity.”

Several TYSPs identify sites for solar facilities. On July 1, 2021, Chapter 2021-178, Laws of Florida, became effective and was codified as Section 163.3205, Florida Statutes (F.S.), to encourage renewable solar electrical generation throughout Florida. Section 163.3205(2), F.S., defines the term “solar facility” to mean a production facility for electric power which: (a) uses photovoltaic modules to convert solar energy to electricity that may be stored on site, delivered to a transmission system, and consumed primarily offsite; (b) consists primarily of photovoltaic modules, a mounting or racking system, power inverters, transformers, collection systems, battery systems, fire suppression equipment, and associated components; and (c) may include accessory administration or maintenance buildings, electric transmission lines, substations, energy storage equipment, and related accessory uses and structures. Section 163.3205(3), F.S., states that a solar facility shall be a permitted use in all agricultural land use categories in a local government comprehensive plan and all agricultural zoning districts within an unincorporated area and must comply with the setback and landscaped buffer area criteria for other similar uses in the agricultural district.

1. Duke Energy Florida

The Duke Energy Florida (DEF) TYSP identifies eight preferred sites (listed below) to increase power generating capacity (photovoltaic solar power generation).

A. Bay Ranch Solar Site: The Bay Ranch Solar site is located on approximately 800 acres in Bay County. The TYSP states that the site is located on former cattle grazing and timber lands and that DEF has received development order approval for the project from Bay County and received an Environmental Resource Permit (ERP) from the Florida Department of Environmental Protection (FDEP) for the project. The Bay County Comprehensive Plan Future Land Use Map designates the site as “Conservation/Habitation,” which allows public utilities.

B. County Line Solar Site: The County Line Solar site is located on approximately 640 acres in Gilchrist County. The TYSP states that the site is currently used for pasture and timber lands. The Gilchrist County Comprehensive Plan Future Land Use Map designates the site as “Agriculture-2” and a solar facility is allowed pursuant to Section 163.3205, F.S.

C. Falmouth Solar Site: The Falmouth Solar site is located on approximately 500 acres in Suwannee County. The TYSP states that the site is currently used as pasture and timber lands and that DEF has applied for an ERP from FDEP for the project. The Suwannee County Comprehensive Plan Future Land Use Map designates the site as “Agriculture-1” and a solar facility is allowed pursuant to Section 163.3205, F.S.

D. Hardeetown Solar Site: The Hardeetown Solar site is located on approximately 730 acres in Levy County. The TYSP states that the site is located on former cattle grazing and agriculture lands. Levy County has approved development of the solar project and FDEP has issued an ERP for the project, which started construction in 2022. The Levy County Comprehensive Plan Future Land Use Map designates the site as “Agricultural/Rural Residential Rural” which does not preclude electrical generation facilities.

E. High Springs Solar Project: The High Springs Solar Project site is located on approximately 600 acres in the City of High Springs in Alachua County. The TYSP states that the site is located on former cattle grazing and timber lands and that DEF has received development order approval from the City and an ERP from FDEP for the project, which started construction in 2022.

F. Hildreth Solar Site: The Hildreth Solar site is located on approximately 600 acres in Suwannee County. The TYSP states that the site is located on former cattle grazing, farming and timber lands and that DEF has received development order approval from Suwannee County and an ERP from FDEP for the project. The project started construction in 2022. The Suwannee County Comprehensive Plan Future Land Use Map designates the site as “Agriculture-1” and the Comprehensive Plan allows electric generating facilities as a special exception use in the Agriculture-1 future land use category.

G. Mule Creek Solar Site: The Mule Creek Solar site is located on approximately 700 acres in Bay County. The TYSP states that the site is currently used for pasture lands and that DEF has received an ERP from FDEP for the project. The Bay County Comprehensive Plan Future Land Use Map designates the site as “Conservation/Habitation,” which allows public utilities.

H. Winquepin Solar Site: The Winquepin Solar site is located in Madison County. The TYSP states that the site is located on former agricultural and timber lands and that DEF has applied for an ERP from FDEP. For this site, the TYSP does not: (1) state the size of the site in number of acres; and (2) include a map of suitable scale that shows the location of the site in relation to an identified nearby or surrounding roadway network. For this site, it would be helpful to readers if the TYSP identified the amount of acres of the site and included a map of suitable scale that shows the location of the site in relation to an identified nearby or surrounding roadway network in order to assist the reader in understanding the location and suitability of the site and to assist in determining the comprehensive plan future land use designation.

2. Florida Municipal Power Agency

The Florida Municipal Power Agency TYSP identifies three potential sites for the increase in power generating capacity: (1) Cane Island Power Park; (2) Treasure Coast Energy Center; and (3) Stock Island.

A. Cane Island Power Park Site: The Cane Island Power Park (CIPP) site is located on 1,027 acres in rural northwest Osceola County, approximately one mile northwest of Intercession City. The site contains

existing power generation facilities. The Osceola County Comprehensive Plan Future Land Use Map designates the site as “Rural/Agriculture,” which allows electric utility facilities.

B. Treasure Coast Energy Center Site: The Treasure Coast Energy Center site is located on 69 acres in the Midway Industrial Park in the City of Fort Pierce. The site contains existing power generation facilities. The City of Fort Pierce Comprehensive Plan Future Land Use Map designates the site as “Institutional,” which allows an electric generating plant.

C. Stock Island Power Plant Site: The Stock Island Power Plant site is located on Stock Island near Key West, and the site contains existing power generation facilities. The Monroe County Comprehensive Plan Future Land Use Map designates the Stock Island Power Plant site as “Public Facilities,” which allows electric generation plants.

3. Florida Power and Light Company and Gulf Power Company

The Florida Power and Light Company (FPL) TYSP identifies forty-seven preferred sites and fifteen potential sites for the increase of power generating capacity.

A. The TYSP identifies the following as preferred sites:

1. Terrill Creek Solar Energy Center Site: The Terrill Creek Solar Energy Center site is located on 626 acres in Clay County. The Clay County Comprehensive Plan Future Land Use Map designates the site as “Agriculture” and a solar facility is allowed pursuant to Section 163.3205, F.S.

2. Turkey Point Units 6 and 7 Site: The Turkey Point Plant site is located on approximately 3,300 acres in the southern portion of Miami-Dade County. The site contains existing power generating facilities. The Miami-Dade County Comprehensive Plan Future Land Use Map designates the site as “Institutions, Utilities, and Communications” which allows power generation and “Environmental Protection Area.”

3. Other Preferred Sites: For the sites identified in the table below, the TYSP does not include maps of suitable scale that show the location of each site in relation to an identified nearby or surrounding roadway network. For these sites, it would be helpful to readers if the TYSP included maps of a suitable scale that show the location of each site in relation to an identified nearby or surrounding roadway network in order to assist the reader in understanding the location and suitability of the sites and to assist in determining the comprehensive plan future land use map designations.

| Name | Site Area | County |
|---------------------------------------|-------------|------------|
| Beautyberry Solar Energy Center (SEC) | 985 acres | Hendry |
| Big Juniper Creek SEC | 414 acres | Santa Rosa |
| Big Water SEC | 701 acres | Okeechobee |
| Buttonwood SEC | 522 acres | St. Lucie |
| Caloosahatchee SEC | 504 acres | Hendry |
| Canoe SEC | 2,540 acres | Baker |
| Cypress Pond SEC | 484 acres | Washington |
| Etonia Creek SEC | 499 acres | Putnam |
| Fawn SEC | 664 acres | Martin |

| | | |
|--------------------|-------------|--------------------------|
| Fourmile SEC | 515 acres | Calhoun |
| Fox Trail SEC | 2,657 acres | Brevard |
| Georges Lake SEC | 743 acres | Putnam |
| Green Pasture SEC | 2,757 acres | Charlotte |
| Hawthorne SEC | 603 acres | DeSoto |
| Hendry SEC | 445 acres | Palm Beach |
| Hog Bay SEC | 832 acres | Okeechobee |
| Holopaw SEC | 761 acres | Brevard |
| Honeybell SEC | 617 acres | Okeechobee |
| Ibis SEC | 633 acres | Brevard |
| Kayak SEC | 627 acres | Okaloosa |
| Long Creek SEC | 810 acres | Manatee |
| Mitchell SEC | 464 acres | Escambia |
| Monarch SEC | 407 acres | Martin |
| Nature Trail SEC | 518 acres | Baker |
| Norton Creek SEC | 674 acres | Madison |
| Orchard SEC | 623 acres | St. Lucie & Indian River |
| Pecan Tree SEC | 522 acres | Walton |
| Pineapple SEC | 417 acres | St. Lucie |
| Prairie Creek SEC | 677 acres | Desoto & Charlotte |
| Redlands SEC | 285 acres | Miami-Dade |
| Sambucas SEC | 464 acres | Manatee |
| Saw Palmetto SEC | 667 acres | Bay |
| Silver Palm SEC | 509 acres | Palm Beach |
| Sparkleberry SEC | 347 acres | Escambia |
| Speckled Perch SEC | 664 acres | Okeechobee |
| Swallowtail SEC | 1,588 acres | Walton |
| Tenmile SEC | 718 acres | Calhoun |
| Thomas Creek SEC | 400 acres | Nassau |
| Three Creeks SEC | 620 acres | Manatee |
| Turnpike SEC | 455 acres | Indian River |
| White Tail SEC | 601 acres | Martin |
| Wild Quail SEC | 473 acres | Walton |
| Woodyard SEC | 650 acres | Hendry |

B. The TYSP identifies the following as potential sites:

1. For the fifteen potential sites identified in the table below, the TYSP does not: (1) state the size of the site in number of acres; nor (2) include maps of suitable scale that show the location of each site in relation to an identified nearby or surrounding roadway network. For these potential sites, it would be helpful to readers if the TYSP identified the amount of acres of each site and included maps of a suitable scale that show the location of each site in relation to an identified nearby or surrounding roadway network in order to assist the reader in understanding the location and suitability of the sites and to assist in determining the comprehensive plan future land use map designations.

| Name | County |
|-------------------------------------|------------|
| Big Brook Solar Energy Center (SEC) | Calhoun |
| Boardwalk SEC | Collier |
| Catfish SEC | Okeechobee |
| County Line SEC | DeSoto |
| Flatford SEC | Manatee |
| Hardwood Hammock SEC | Walton |
| Hendry SEC | Hendry |
| Mare Branch SEC | DeSoto |
| Middle Lake SEC | Madison |
| North Orange SEC | St. Lucie |
| Price Creek SEC | Columbia |
| Sand Pine SEC | Calhoun |
| Sea Gape SEC | St. Lucie |
| Swamp Cabbage SEC | Hendry |
| Wood Stork SEC | St. Lucie |

4. Gainesville Regional Utilities

The Gainesville Regional Utilities TYSP identifies one preferred site (Deerhaven Generating Station site) for the increase in power generating capacity.

A. Deerhaven Generating Station Site: The Deerhaven Generating Station site is located on 3,474 acres within the City of Gainesville, and the site contains an existing power generation facility. The City of Gainesville Comprehensive Plan Future Land Use Map designates the site as “Public and Institutional Facilities,” which allows utilities.

5. Lakeland Electric

The Lakeland Electric TYSP identifies two preferred sites (McIntosh Power Plant and McIntosh Solar Plant) for the increase in power generating capacity.

A. McIntosh Power Plant Site: The McIntosh Power Plant site is located on 530 acres in the City of Lakeland, and the site contains an existing power generation facility. The City of Lakeland Comprehensive Plan Future Land Use Map designates the site as “Industrial” and electric power generating facilities may be allowed as a conditional use through the Land Development Code.

B. McIntosh Solar Plant Site: The McIntosh Solar Plant site is located in the City of Lakeland, south of the existing McIntosh Power Plant site. The TYSP does not state the size of the site in number of acres. The City of Lakeland Comprehensive Plan Future Land Use Map designates the site as “Industrial” and electric power generating facilities may be allowed as a conditional use through the Land Development Code.

6. Seminole Electric Cooperative

The Seminole Electric Cooperative TYSP identifies one potential site (Gilchrist site) and one preferred site (Seminole Generating Station site) for the increase in power generating capacity.

A. Gilchrist Site: The Gilchrist site is located on 520 acres in the central portion of Gilchrist County, approximately two miles northeast of the City of Bell. The site does not contain existing power generation facilities. Much of the site has been used for silviculture (pine plantation) and consists of large tracts of planted longleaf and slash pine community, and the site contains a limited amount of wetlands (10.1 acres). The site is designated Agriculture-2 on the adopted Future Land Use Map of the Gilchrist County Comprehensive Plan. The Comprehensive Plan allows solar farms within the Agriculture-2 future land use category by special use permit.

B. Seminole Generating Station Site: The Seminole Generating Station site is located on 1,996 acres in unincorporated Putnam County, approximately five miles north of the City of Palatka. The site contains existing power generation facilities. The site is designated as Public Facilities on the adopted Future Land Use Map of the Putnam County Comprehensive Plan. Power generation facilities are an allowable use within the Public Facilities future land use category.

7. Tampa Electric Company

The Tampa Electric Company TYSP identifies six preferred sites for the increase in power generating capacity.

1. Bayside Power Station Site: The Bayside (H.L. Culbreath) Power Station site is located in unincorporated Hillsborough County and contains existing power generation facilities. The site is designated mostly as “Heavy Industrial” with a smaller area as “Light Industrial” on the adopted Future Land Use Map of the Hillsborough County Comprehensive Plan. Electric generation plants are an allowed use in the Heavy Industrial future land use category.

2. Other Sites: The Tampa Electric Company TYSP lists the following sites for the increase in power generating capacity but does not include maps of a suitable scale that show the specific location of these sites in relation to the nearby or surrounding roadway network:

| Name | Site Area | County |
|-----------------------|------------------|---------------|
| Alafia Solar Site | 408 acres | Polk |
| Dover Solar Site | 177 acres | Hillsborough |
| Dover Storage Site | unspecified | Hillsborough |
| Juniper Solar Site | 695 acres | Hillsborough |
| Lake Mabel Solar Site | 575 acres | Polk |

For these sites, it would be helpful to readers if the Tampa Electric Company TYSP (Chapter VI: Environmental and Land Use Information) included maps of a suitable scale that show the location of each site in relation to an identified nearby or surrounding roadway network in order to assist the reader in understanding the location and suitability of the sites and to assist in determining the comprehensive plan future land use map designations.

Regional Planning Council

Central Florida Regional Planning Council

August 2, 2023

VIA EMAIL

Greg Davis
State of Florida Public Service Commission
Capital Circle Office Center
2540 Shumard Oak Blvd
Tallahassee, FL 32399

Dear Mr. Davis,

RE: Review of 2023 Ten-Year Site Plans for Florida's Electric Utilities

The CFRPC reviewed ten-year site plans from Duke Energy Florida (DEF), Florida Power and Light Company (FPL), Lakeland Electric (LAK), Seminole Electric Cooperative (SEC), and Tampa Electric Company (TECO) as requested in the letter dated May 4, 2023, and included on the Public Service Commission's website. As requested, comments on the plans and a brief summary related to the suitability of the above mentioned plans as planning documents is below.

Duke Energy Florida:

According to the plan, Duke Energy anticipates a 230 kV 50-mile new transmission line right-of-way from Kathleen – Osprey in November 2024.

This document is suitable for a planning document at a regional level because it provides information as to the proposed locations of planned new facilities. It is somewhat less suitable as a planning document at providing insight on the development through current demand and forecast demand because it cannot be extrapolated to a regional or county level because Duke Energy's boundaries cover so much of the State of Florida. It is helpful to know what energy conservation and management programs are being utilized as well as the environmental and land impacts are predicted to occur for the overall planning of the region's growth and development and protection.

Florida Power and Light Company

The plan discusses preferred solar sites in DeSoto and Okeechobee Counties in the region. In DeSoto County, they include Prairie Creek Solar Energy Center, Hawthorn Creek Solar Energy Center, and Hog Bay Solar Energy Center. In Okeechobee County, they include Speckled Perch Solar Energy Center and Big Water Solar Energy Center. Potential sites in the region are identified for DeSoto and Okeechobee Counties. In DeSoto County, they include Mare Branch Solar Energy Center and County Line Solar Energy Center. In Okeechobee County, they include the Catfish Solar Energy Center.

This document is suitable for a planning document at a regional level because it provides information as to the proposed locations of planned new facilities. It is somewhat less suitable as a planning document at providing insight on the development through current demand and forecast demand because it cannot be extrapolated to a regional or county level because FPL's boundaries cover so much of the State of Florida. It is helpful to know what energy conservation and management programs are being utilized as well as the environmental and land impacts are predicted to occur for the overall planning of the region's growth and development and protection.

Lakeland Electric:

The plan states that Lakeland retired the McIntosh Unit #3 in 2021. They will evaluate the performance of existing older peaking units and examine how LE can meet future power demand in a more innovative and reliable way. This may require retiring some additional older and less-efficient gas or oil units in the future. Lakeland Electric has entered into a long-term power purchase agreement with various solar providers in the territory. They are working to add more solar farms by 2025. Lakeland Electric will utilize capacity and energy contracts with neighboring utilities and pool members as needed.

This document is suitable for a planning document at a regional level because it provides insight on the development of areas within a portion of the region through current demand and forecast demand. It also is helpful to know what energy conservation and management programs are being utilized as well as the environmental and land impacts are predicted to occur for the overall planning of the region's growth and development and protection.

This document is also written in a manner that makes it easy for non-utility planners to understand. However, due to the scanning or production process, several of the figures included in the document are blurry and very hard to read.

Seminole Electric Cooperative:

Seminole Electric Cooperative includes two member service areas in the region: Peace River (Wauchula) and Glades (Moore Haven). Seminole Electric Cooperative owns a 572 MW winter capacity gas-fired two-on-one combined cycle plant in Hardee County.

This document is suitable for a planning document at a regional level because it provides information as to the proposed locations of planned new facilities. It is somewhat less suitable as a planning document at providing insight on the development through current demand and forecast demand because it cannot be extrapolated to a regional or county level because Seminole Electric Cooperative boundaries cover so much of the State of Florida.

Tampa Electric Company:

According to the plan, there are existing and planned solar facilities within the Central Florida Regional Planning Council Region for the 10-year planning reporting period.

This document is suitable for a planning document at a regional level because it provides information as to the proposed locations of planned new expansions and because it provides insight on the development of areas within a portion of the region through current demand and forecast demand. It also is helpful to know what energy conservation and management programs are being utilized as well as the environmental and land impacts are predicted to occur for the overall planning of the region's growth and development and protection. A recommendation would be to include boundaries of the counties to make it clear as to the location of facilities.

The proposed expansions/potential sitings as identified in the ten-year power plant site plans as submitted are consistent with the Central Florida Regional Planning Council Strategic Regional Policy Plan (SRPP). Thank you for the opportunity to review these electric utility ten-year site plans.

Sincerely,



Marisa M. Barmby, AICP
Program Manager – Research

Regional Planning Council

Northeast Florida Regional Planning Council



Serving the communities of Baker, Clay, Duval, Flagler, Nassau, Putnam and St. Johns Counties

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Bringing Communities Together

July 13, 2023

Mr. Greg Davis, Engineering Specialist
Division of Engineering
Public Service Commission
2540 Shumard Oak BLVD.
Tallahassee, FL 32399

RE: 2023 Northeast Florida Utilities - Review of Ten-Year Site Plans

Dear Mr. Davis:

The Northeast Florida Regional Council has reviewed the ten-year site plans for Florida Power and Light/Gulf Power Company, Seminole Electric Cooperative Inc, and JEA Region relative to their provision of power in Northeast Florida. Commendable practices include:

Jacksonville Energy Authority:

- On March 28, 2023, JEA's current goals, including the 35 percent production of clean energy between 2005 and 2030, were presented again to the JEA Board. To achieve this goal, JEA will need a total of 1,275 Mega-Watt Alternative Current (MWAC) of solar generation by 2030. The JEA Integrated Planning (IRP) Process entails a commitment to develop 35 percent clean energy, retire less-efficient generating assets, and lead the way by ultimately using 100 percent clean energy to serve JEA facilities by 2030 and increase and enhance energy efficiency programs. The goal is to reduce carbon emissions from production by up to 80 percent between 2005 and 2030.
- Consistent with the IRP Process and aligning with JEA's commitment to increase its renewable portfolio, JEA entered into a five-year agreement on January 24, 2023, with The Energy Authority (TEA) to purchase 150 Megawatts (MWAC) of electric energy, capacity resources, and renewable attributes (Solar) from Florida Power & Light (FP&L). The JEA has also negotiated multiple solar projects, up to 150 MWAC, expected to be commissioned in 2026.
- The JEA additionally has sought bids for the development of 300 MWAC of solar or solar plus energy storage systems on JEA-owned parcels. The solicitation, released on January 31, 2023, and facilitated through TEA is sourcing full attribute solar, or solar plus storage resource solutions formatted in multiple blocks, not to exceed 74.9 MWAC each. The facilities are expected to be commissioned in Fall 2026.
- In 2021, JEA began co-firing (incorporating a secondary fuel with a primary fuel using the same combustion equipment) for up to 10 percent of biomass (approximately up to 240 tons per day) in Northside Unit 2 due to the high price of petroleum coke (petcoke). In early 2022, JEA submitted a request and was granted an air construction permit with the Florida Department of Environmental Protection (FDEP), for equipment to burn up to

1,000 tons of biomass in Northside Units 1 and 2. The price of petcoke continues to be volatile, and biomass is typically co-fired when economically beneficial and available.

Seminole Electric Cooperative, Inc.:

- As of December 31, 2022, Seminole Electric Cooperative had total winter capacity resources of 4,497 MW including that which is owned/installed, comprised of 2,102 MW with the remaining capacity in firm-purchased-power. The capacity will need to accommodate the expected average annual residential and commercial growth of 1.3 percent through 2032.
- Seminole will have a new advanced, large-frame two-on-one natural gas (cleaner fuel) combined cycle unit to meet projected summer and winter peak demands. The net increase between this facility and the coal fired unit (it will remove) is 854 MW.
- Finally, Seminole's wholesale power contracts permit each Member to own or lease renewable generation and/or peak-shaving generation for up to five percent of their load requirements (based on having annual peak demand for the prior three years).

Florida Power & Light:

- Florida Power and Light (FPL) delivered approximately 26 percent of its energy from zero-emission nuclear and zero-emission solar throughout 2022. By 2032, the share of total energy delivered to all FPL customers from zero-emission sources is projected to be approximately 54 percent or more than double the current share.
- At the end of 2022, FPL had a total of about 3,611 MWAC of utility-owned solar generation, all of which are solar facilities. These solar sites are located throughout FPL's service area. Florida Power & Light also has a total of 120 MWAC of solar delivered from three PV sites under long-term power purchase agreements.
- Florida Power & Light is committed to showing significant increases in solar PV resources through 2032. Approximately 19,966 MWAC of additional, cost-effective PV generation is projected to be added in 2023 through 2032 time period in FPL's resource plan. These facilities include new potential sites in Baker, Clay, Nassau, and Putnam Counties.

The Northeast Florida Regional Council does not find that there are any adverse regional impacts based on its Strategic Regional Policy Plan and supports the adoption of the Ten-Year Site Plans.

Sincerely,



Beth Payne, AICP
Chief Executive Officer
epayne@nefrc.org

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-28-
EQUAL OPPORTUNITY EMPLOYER

Regional Planning Council

Treasure Coast Regional Planning Council



TREASURE COAST REGIONAL PLANNING COUNCIL
INDIAN RIVER - ST. LUCIE - MARTIN - PALM BEACH

August 2, 2023

Mr. Greg Davis, Engineering Specialist
Florida Public Service Commission
Capital Circle Office Center
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Subject: Review of the 2023 Ten-Year Site Plans for Florida's Electric Utilities

Dear Mr. Phillips:

The Treasure Coast Regional Planning Council has reviewed the 2023 Ten-Year Site Plans for Florida Power & Light (FPL) Company and Florida Municipal Power Agency (FMPA). Council approved the comments in the attached reports at their board meeting on July 28, 2023.

The report concludes that while the region and all of South Florida remain vulnerable to fuel price increases and supply interruptions because of the continued heavy reliance on only two primary fuel types, natural gas and nuclear fuel, the use of solar power is projected to increase dramatically.

Council urges FPL, FMPA, and the State of Florida to continue developing new programs to 1) reduce the reliance on fossil fuels as future energy sources, 2) increase conservation activities to offset the need to construct new power plants, and 3) increase the use of renewable energy sources to produce electricity.

Please contact me if you have any questions.

Sincerely yours,



Thomas J. Lanahan
Executive Director

Attachments

cc: William P. Cox, FPL
Navid Nowakhtar, FMPA

TREASURE COAST REGIONAL PLANNING COUNCIL

MEMORANDUM

To: Council Members

AGENDA ITEM 4B4

From: Staff

Date: July 21, 2023

Subject: Florida Power & Light Ten-Year Power Plant Site Plan (2023-2032)

Background

Each year, every major electric utility in the State of Florida produces a ten-year site plan that includes an estimate of future electric power generating needs, a projection of how those needs will be met, and disclosure of information pertaining to the utility's preferred and potential power plant sites. The Florida Public Service Commission (FPSC) requested that Council review the most recent ten-year site plan prepared by FPL and provide comments to the FPSC on or before August 2, 2023. This plan addresses FPL generating power additions and retirements for the years 2023 through 2032. FPL's service area contains approximately 27,650 square miles and serves a population of approximately eleven million people.

Analysis

The attached report summarizes FPL's plans for future power generation and provides comments for transmittal to the FPSC. The report concludes that FPL continues to plan for increasing demand over the planning period. They will primarily meet that demand with continued heavy dependence on fossil and nuclear fuels, but also concentrate on a rapid increase in renewable sources, primarily solar generating capacity.

Council supports FPL's and the State's continued focus to develop new programs to 1) reduce reliance on fossil fuels as future energy sources, 2) increase conservation activities to offset the need to construct new power plants, and 3) increase the use of renewable energy sources to produce electricity.

Recommendation

Council should approve the attached report and authorize its transmittal to the Florida Public Service Commission.

Council Action – July 28, 2023

Commissioner Smith from Martin County moved approval of the staff report with modification of the Conclusions and Recommendations to add urgency to the push for renewable energy and

commend FPL's leadership on this issue. Commissioner Marino from Palm Beach County seconded the motion, which carried unanimously.

Attachment

TREASURE COAST REGIONAL PLANNING COUNCIL

Report on the

Florida Power & Light (FPL) Company Ten Year Power Plant Site Plan 2023-2032

July 28, 2023

Introduction

Each year every major electric utility in the State of Florida produces a ten-year site plan that includes an estimate of future electric power generating needs, a projection of how those needs will be met, and disclosure of information pertaining to the utility's preferred and potential power plant sites. The Florida Public Service Commission (FPSC) has requested that Council review the most recent ten-year site plan prepared by FPL and provide comments to the FPSC on or before August 2, 2023. FPL's service area contains approximately 27,650 square miles and serves a population of approximately eleven million people.

Summary of the Plan

The plan indicates combined total summer peak demand projected growth of 12.0% over the 10-year period; from 25,945 megawatts (MW) in 2023 to 29,084 MW in 2032. During the same timeframe, FPL is expecting to reduce electrical use through demand-side management (DSM) programs that include conservation, energy efficiency, and load management initiatives. FPL's combined DSM savings are expected to grow 15.0% over the reporting period; from 1,795 MW in 2023 to 2,064 MW in 2032 (see Exhibit 1, Schedule 7.1).

The current plan makes primary electricity gains through upgrades and modernization to existing facilities plus construction of new generating units. Simultaneously, their plan continues to take older and coal-fired capacity out of service.

Major changes in generating capacity are as follows:

FPL system area:

- 2023-2032: Approximately 19,966 MW (nameplate) new solar photovoltaic (PV) additions.
- May 2023: Expiration (per contract terms) of 885 MW from the Shell Power Purchase Agreement (PPA).
- 2024: Retire FPL's ownership portion of coal-fueled Daniel Units 1 & 2 (approx. 500 MW).
- 2023-2026: Capacity upgrades at several of FPL's existing Combined Cycle (CC) units.
- 2028: Retirement of FPL's 25% ownership portion of the coal-fueled Scherer Unit 3 (approximately 215 MW).
- 2029-2032: 2,000 MW of additional battery storage is planned.

Preferred and Potential Power Plant Sites

One of the primary reasons to prepare an annual ten-year power plant site plan is to get information on a utility's plans on preferred and potential siting of new facilities.

Based on projected future resource needs, FPL has identified forty-six "preferred sites" for future power generating facilities. The following are in the Treasure Coast Region (Exhibit 2).

1. Silver Palm Solar Energy Center, Palm Beach County: The proposed 509-acre site is located at 7501 Carol Street, Loxahatchee, FL 33470.
2. Orchard Solar Energy Center, St. Lucie & Indian River counties: The proposed 623-acre site is located at 6201 Minute Maid Road, Ft. Pierce, FL 34945.
3. Turnpike Solar Energy Center, Indian River County: The proposed 455-acre site is located at 16205 17th Street SW, Vero Beach, FL 32968.
4. Monarch Solar Energy Center, Martin County: The proposed 407-acre site is located at 20399 SW Farm Road, Indiantown, FL 34956.
5. White Tail Solar Energy Center, Martin County: The proposed 602-acre site is located at 15924 SW Citrus Blvd, Palm City, FL 34990.
6. Pineapple Solar Energy Center, St. Lucie County: The proposed 455-acre site is located at 20400 Glades Cut-Off Road, Port St. Lucie, FL 34988.
7. Buttonwood Solar Energy Center, St. Lucie County: Proposed 522-acre site. Location to be determined – an address has not yet been assigned by the County.
8. Holopaw Solar Energy Center, Palm Beach County: Proposed 761-acre site. Location to be determined – an address has not yet been assigned by the County.
9. Fawn Solar Energy Center, Martin County: Proposed 664-acre site. Location to be determined – an address has not yet been assigned by the County.

Each of the above sites are planned for 74.5 MW PV solar plants. These nine sites take up approximately 4,638 acres of land and by their nature, these facilities have minimal offsite impacts.

FPL has also identified fifteen "potential sites" for future generation and storage facilities, though potential sites do not represent a commitment by the utility to construct these new facilities. Three of these sites are currently planned to be in the Treasure Coast Region:

1. North Orange Solar Energy Center, St. Lucie County
2. Sea Grape Solar Energy Center, St. Lucie County
3. Wood Stork Solar Energy Center, St. Lucie County

Other Factors

The FPL 2023-2032 plan describes ten factors that have influenced or may influence this resource plan. They are summarized below:

1. Impacts of the Tax Credits for Batteries, Solar, and Hydrogen that were part of the "Inflation Reduction Act" Federal Legislation.

2. The critical need to maintain a balance between load and generating capacity in specific regions of FPL’s service area, such as in Southeastern Florida (Miami-Dade and Broward counties).
3. The desire to maintain/enhance fuel diversity in the FPL system while considering system economics.
4. The need to maintain an appropriate balance of DSM and supply resources from the perspectives of both system reliability and operations.
5. The significant impact of federal and state energy efficiency codes and standards.
6. The fuel cost, and efficiency, of FPL’s fossil-fueled generation fleet.
7. Projected changes in CO₂ regulation and associated compliance costs.
8. Near-term inflation and supply-chain challenges impacting resource options.
9. Potential increases in electric vehicle (EV) adoption.
10. Ensuring system reliability during extreme weather events.

Each of these factors described above will continue to be examined in FPL’s ongoing resource planning work in 2023 and future years.

Evaluation

The ten-year site plan indicates fossil fuels will remain a primary but decreasing source of energy used to generate electricity; dropping from 70.5% in 2023 (2.6% from coal and 67.9% from natural gas) to 45.2% (all natural gas) by the end of 2032 (see Exhibit 3, Schedule 6.2). During the same period, nuclear sources are predicted to fall from 20.4% in 2023 to 18.7% in 2032, primarily due to significant FPL solar investment and the delay of significant nuclear power expansion beyond the 10-year time horizon. Solar sources are predicted to dramatically increase from 7.3% in 2023 to 35.0% in 2032.

Renewable Energy

The ten-year site plan indicates FPL is continuing its efforts to implement cost-effective renewable energy. FPL has facilitated several renewable energy projects (facilities which burn bagasse, waste wood, municipal waste, etc.) through power purchase agreements. For example, FPL has a contract to receive firm capacity from the Solid Waste Authority of Palm Beach County through April 2034. FPL’s efforts to increase use of cost-effective renewable energy also include the use of utility-scale solar and customer-focused solar. FPL also has continued interest in battery storage. These efforts are described below.

1. **Universal Solar:** This plan shows a significant increase in utility-scale solar throughout the 10-year period. Approximately 19,966 MW of new solar PV generation is projected to be added in the 2023-2032 time period. When combined with the current 3,611 MW of solar PV already installed, projected total of solar PV climbs to 23,577 MW by the end of 2032.

FPL stated an objective to install more than thirty million solar panels on FPL’s system by the year 2030 and is now projected five years ahead of schedule by the end of 2025. This planned solar implementation schedule is consistent with FPL’s January 2019 announcement of its “30-by-30” plan.

2. **Distributed PV Pilot Programs:** FPL began implementation of SolarNow, a distributed PV pilot program, in 2015. The voluntary, community-based solar partnership pilot program provides customers a flexible opportunity to bring solar projects into local communities by funding solar facility construction in public areas such as parks, zoos, schools, and museums. At the end of 2022, there were 44,294 participants enrolled in the program with seventy-nine projects located in thirty-six communities within the FPL service territory. These projects represent approximately 2,553 kW-DC of PV generation. This program will sunset on December 31, 2025.
3. **FPL SolarTogether Program** offers FPL customers the option to purchase solar output/attributes from cost-effective, large-scale solar energy centers with no long-term contracts, administrative fees, or termination penalties. Under this program, participants' monthly electric bills show a subscription charge and a direct credit on their electric bills associated with the amount of solar-generated capacity purchased. The first phase of the program added 1,490 MW of new solar facilities. Open enrollment began on March 17, 2020 which received favorable reception by residential, small businesses, and commercial customers. As of June 2021, all twenty approved solar sites under this program were complete and operational.

FPL received approval to extend the FPL SolarTogether program through the construction of an additional 1,788 MW of cost-effective solar through 2025. The capacity will be allocated 40% to residential and small business customers with a carve out of 45 MW to low-income participants. The remaining 60% is allocated to commercial, industrial, and governmental customers.

4. **Solar Power Facilities Pilot Program:** As part of FPL's 2021 Settlement Agreement, FPL received approval to offer a four-year voluntary pilot program to commercial and industrial customers that may elect to have FPL install and maintain a solar facility on their site for a monthly tariff charge (the "Solar Power Facilities Pilot Program"). The output of this solar facility would be used solely by the participating customer. The fixed term tariff will recover the project capital costs and ongoing operating expenses from the program participants, such that the general body of customers will not be impacted.

Battery Storage:

A 409 MW battery storage facility was added in 2021 at the existing Sunshine Gateway Solar Energy Center and two 30 MW battery storage units were added in 2021; one at the existing Sunshine Gateway Solar Energy Center. An additional total of approximately 2000 MW (nameplate) of battery storage is also included in the resource plan through 2032.

Electric Vehicle Efforts:

Florida ranks second nationally for electric vehicle (EV) adoption, and more Floridians are buying EVs every year. FPL began implementing the FPL EVolution pilot program in 2019 to support EV growth with the goal of installing more than 1,000 charging ports, which would increase public EV charging stations in Florida by 50%.

This pilot program is being conducted in partnership with interested host customers over an approximate 3-year period. Installations encompass different EV charging technologies and market segments, including level 2 workplace charging at public and/or private workplaces; destination charging at well-attended locations; residential charging at customers' homes; and fast charging in high-traffic areas, along highway corridors and evacuation routes to enable long distance travel. These places include Florida's Turnpike Service Plazas, public parking areas, tourist attractions, hospitals, and large businesses that employ hundreds of Florida residents. As of December 31, 2022, FPL EVolution has installed 932 ports across 171 site locations.

As part of FPL's 2021 Settlement Agreement, FPL received approval to expand the initial FPL Evolution Pilot and add additional EV programs that were launched in 2021, including: i) public fast charging; ii) new technologies and software; iii) education and outreach; and iv, a voluntary residential commercial EV charging services tariff. The tariffs took effect in 2021 and will last for a period of five years.

Conclusions and Recommendations

Recent dramatic spikes and volatility in the oil and gas markets, international threats to fuel supply, and desires to reduce greenhouse gas emissions as global weather becomes more extreme all confirm the value of moving as quickly as possible towards a more balanced fuels portfolio, with urgency on increasing renewable energy sources. Council supports reducing vulnerability to fuel price increases and supply interruptions, decreasing fossil fuel use, and increasing storage and conservation. Council also continues to encourage the Florida Legislature to adopt a Renewable Portfolio Standard to provide a mechanism to expand the use of renewable energy in Florida.

Council commends FPL's leadership on renewable energy and applauds FPL's push to reach its "30-by-30" solar panel goal 5 years early in 2025. FPL should increase promotion of distributed (i.e., rooftop) PV units on private and public buildings. Distributed rooftop PV systems reduce reliance on large transmission lines and reduce costs associated with owning property; purchasing fuel; and permitting, constructing, and maintaining a power plant. Another advantage of this strategy is that PV systems do not require water for cooling. Additionally, the incentive for owners of buildings to participate in this strategy is to offer reduced rates for purchasing electricity.

Also, FPL should consider expanding solar rebate programs for customers who install PV and solar water heating systems on their homes and businesses. These rebates should be coordinated with other programs, such as the Solar and Energy Loan Fund (SELF) and Property-Assessed Clean Energy (PACE) programs. SELF is a low interest rate loan program that provides financing for clean energy solutions. PACE programs allow property owners to finance energy retrofits by placing an additional tax assessment on the property in which the investment is made.

Council urges FPL and the State of Florida to continue developing new programs (any new programs since the last submission or any planned) to increase conservation measures and to rely, to a greater extent, on renewable energy sources. State legislators should amend the regulatory framework to provide financial incentives for power providers and customers. The phasing in of

PV and other locally available energy sources will help Florida achieve a sustainable future as called for in Council's Strategic Regional Policy Plan.

The utility filing can be accessed at the following link: <https://www.floridapsc.com/ten-year-site-plans>.

Attachments

Exhibit 1

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) | (13) | (14) | (15) | (16) |
|-------------------|-------------------------------------|----------------------------------|----------------------------------|------------------|--|-------------------------------|-----------|--|--|-----------|--------------------------------|---|-----------|---|-----------|
| August of Year | Firm Installed Capacity MW | Firm Capacity Import MW | Firm Capacity Export MW | Firm QF MW | Total Firm Capacity Available MW | Total Peak Demand MW | DSM MW | Firm Summer Peak Demand MW | Total Reserve Margin Before Maintenance MW | % of Peak | Scheduled Maintenance MW | Total Reserve Margin After Maintenance MW | % of Peak | Generation Only Reserve Margin After Maintenance MW | % of Peak |
| 2023 | 31,394 | 240 | 0 | 4 | 31,638 | 27,740 | 1,795 | 25,945 | 5,692 | 21.9 | 0 | 5,692 | 21.9 | 3,898 | 14.1 |
| 2024 | 31,752 | 240 | 0 | 4 | 31,995 | 27,991 | 1,822 | 26,169 | 5,826 | 22.3 | 0 | 5,826 | 22.3 | 4,004 | 14.3 |
| 2025 | 32,196 | 239 | 0 | 4 | 32,439 | 28,250 | 1,847 | 26,403 | 6,035 | 22.9 | 0 | 6,035 | 22.9 | 4,189 | 14.8 |
| 2026 | 32,717 | 239 | 0 | 4 | 32,960 | 28,596 | 1,871 | 26,726 | 6,235 | 23.3 | 0 | 6,235 | 23.3 | 4,364 | 15.3 |
| 2027 | 32,866 | 239 | 0 | 0 | 33,105 | 28,831 | 1,898 | 26,933 | 6,172 | 22.9 | 0 | 6,172 | 22.9 | 4,274 | 14.8 |
| 2028 | 32,994 | 239 | 0 | 0 | 33,233 | 29,169 | 1,929 | 27,240 | 5,993 | 22.0 | 0 | 5,993 | 22.0 | 4,064 | 13.9 |
| 2029 | 33,025 | 239 | 0 | 0 | 33,264 | 29,681 | 1,962 | 27,720 | 5,544 | 20.0 | 0 | 5,544 | 20.0 | 3,582 | 12.1 |
| 2030 | 33,613 | 238 | 0 | 0 | 33,851 | 30,205 | 1,996 | 28,209 | 5,642 | 20.0 | 0 | 5,642 | 20.0 | 3,646 | 12.1 |
| 2031 | 34,102 | 238 | 0 | 0 | 34,340 | 30,646 | 2,030 | 28,617 | 5,723 | 20.0 | 0 | 5,723 | 20.0 | 3,694 | 12.1 |
| 2032 | 34,703 | 198 | 0 | 0 | 34,901 | 31,147 | 2,064 | 29,084 | 5,817 | 20.0 | 0 | 5,817 | 20.0 | 3,753 | 12.0 |

Col. (2) represents capacity additions and changes projected to be in-service by June 1st. These MW are generally considered to be available to meet Summer peak loads which are forecasted to occur during August of the year indicated.

Col. (6) = Col.(2) + Col.(3) - Col.(4) + Col.(5).

Col.(7) reflects the load forecast without incremental DSM or cumulative load management.

Col.(8) represents cumulative load management capability, plus incremental conservation and load management, from 9/2022-on intended for use with the 2023 load forecast.

Col.(10) = Col.(6) - Col.(9)

Col.(11) = Col.(10) / Col.(9)

Col.(12) indicates the capacity of units projected to be out-of-service for planned maintenance during the Summer peak period.

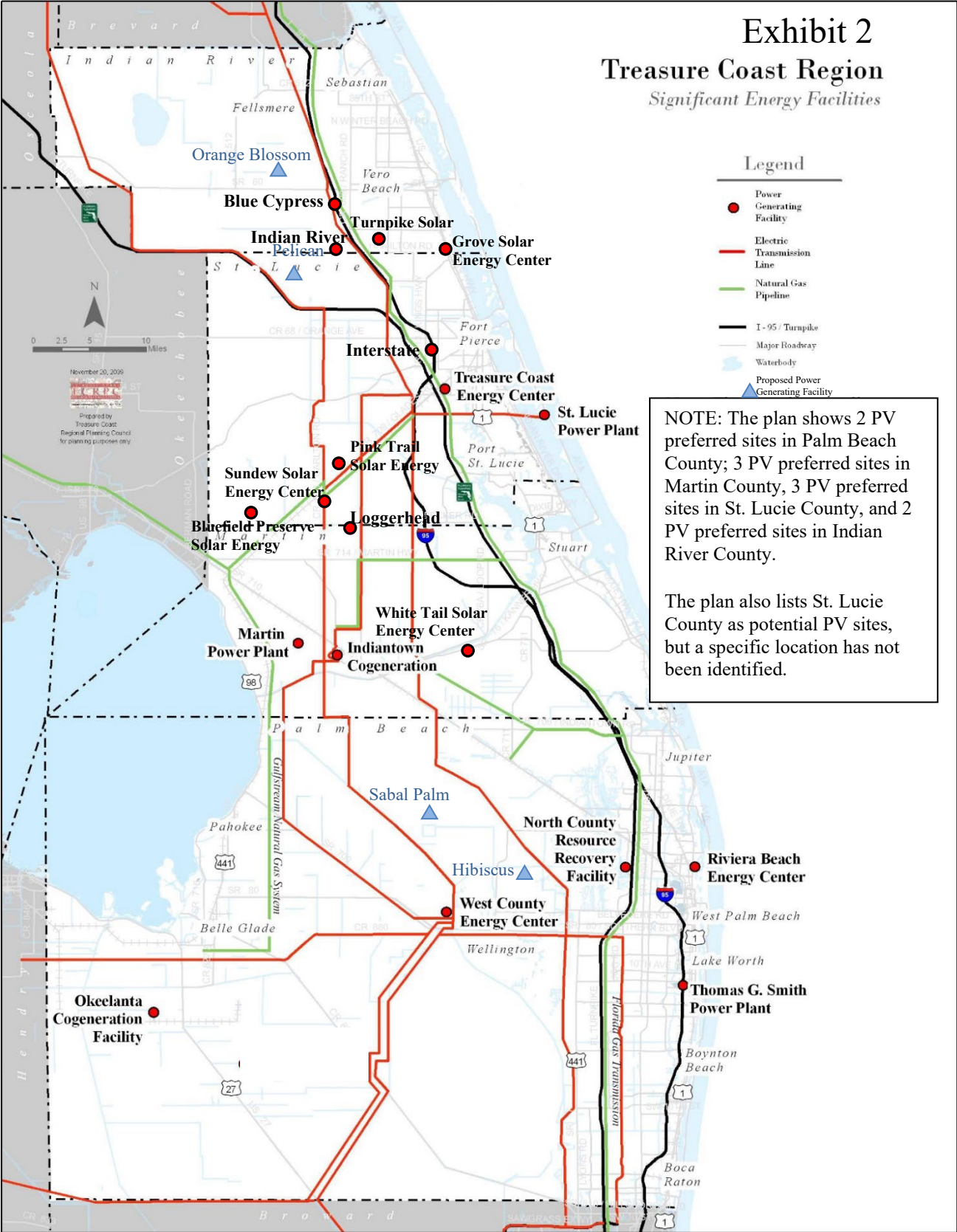
Col.(13) = Col.(10) - Col.(12)

Col.(14) = Col.(13) / Col.(9)

Col.(15) = Col.(6) - Col.(7) - Col.(12)

Col.(16) = Col.(15) / Col.(7)

Exhibit 2 Treasure Coast Region Significant Energy Facilities

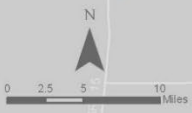


Legend

- Power Generating Facility
- Electric Transmission Line
- Natural Gas Pipeline
- I-95 / Turnpike
- Major Roadway
- Waterbody
- ▲ Proposed Power Generating Facility

NOTE: The plan shows 2 PV preferred sites in Palm Beach County; 3 PV preferred sites in Martin County, 3 PV preferred sites in St. Lucie County, and 2 PV preferred sites in Indian River County.

The plan also lists St. Lucie County as potential PV sites, but a specific location has not been identified.



November 20, 2009

Prepared by
Treasure Coast
Regional Planning Council
for planning purposes only

Exhibit 3

Schedule 6.2 Forecasted Energy Sources % by Fuel Type

| <u>Energy Source</u> | <u>Units</u> | <u>FPL</u> | | | | | | | | | |
|---|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | <u>2023</u> | <u>2024</u> | <u>2025</u> | <u>2026</u> | <u>2027</u> | <u>2028</u> | <u>2029</u> | <u>2030</u> | <u>2031</u> | <u>2032</u> |
| (1) Annual Energy Interchange ^{1/} | % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (2) Nuclear | % | 20.4 | 19.5 | 19.9 | 20.4 | 19.8 | 20.5 | 19.6 | 19.2 | 19.3 | 18.7 |
| (3) Coal | % | 2.6 | 0.4 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (4) Residual (FO6) -Total | % | 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 |
| (6) Distillate (FO2) -Total | % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (7) Steam | % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (8) CC | % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (9) CT | % | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (10) Natural Gas -Total | % | 67.9 | 68.3 | 65.6 | 61.1 | 58.2 | 54.1 | 51.9 | 49.4 | 46.8 | 45.2 |
| (11) Steam | % | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.4 | 0.4 | 0.3 | 0.3 |
| (12) CC | % | 67.2 | 67.8 | 65.2 | 60.8 | 57.7 | 53.7 | 51.3 | 48.9 | 46.4 | 44.8 |
| (13) CC PPAs - Gas | % | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| (14) CT | % | 0.1 | 0.1 | 0.1 | 0.0 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| (15) Solar ^{2/} | % | 7.3 | 10.0 | 12.5 | 16.5 | 20.2 | 23.7 | 26.9 | 29.8 | 32.5 | 35.0 |
| (16) PV | % | 4.3 | 5.9 | 7.4 | 11.3 | 15.0 | 18.6 | 21.9 | 25.1 | 28.0 | 30.8 |
| (17) Solar Together ^{3/} | % | 2.8 | 3.9 | 4.9 | 5.0 | 5.0 | 4.9 | 4.8 | 4.6 | 4.3 | 4.1 |
| (19) Solar PPAs | % | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 |
| (20) Wind PPAs | % | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| (21) Other ^{4/} | % | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.0 | 1.0 | 0.9 | 0.8 | 0.4 |
| | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

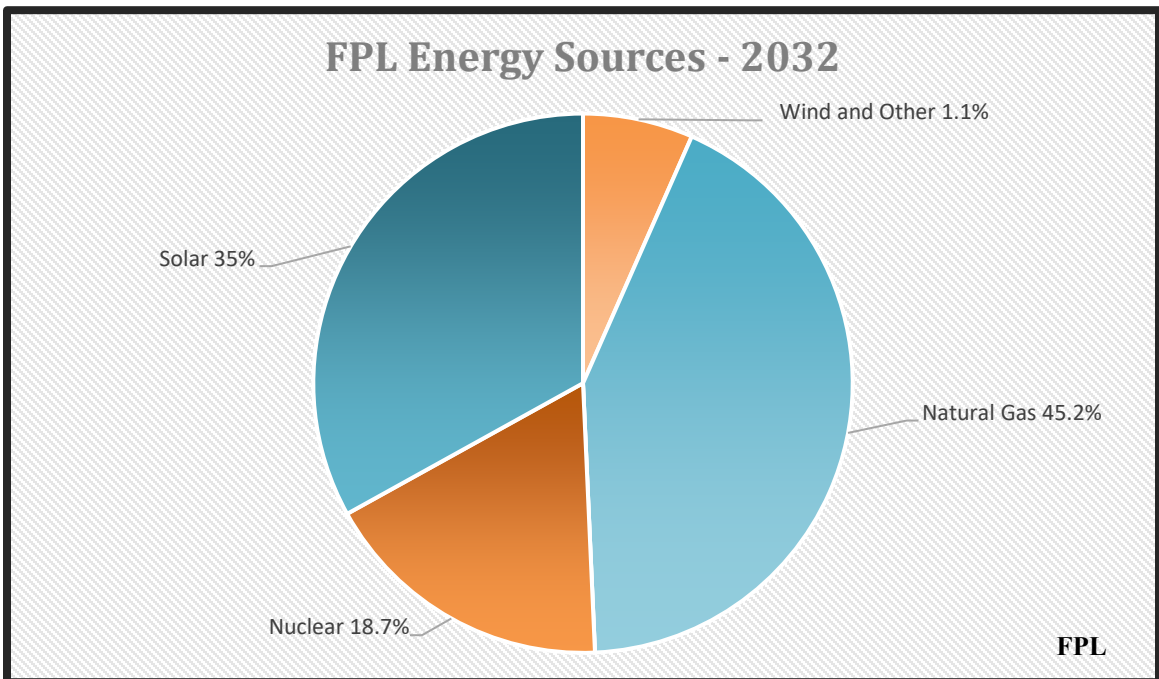
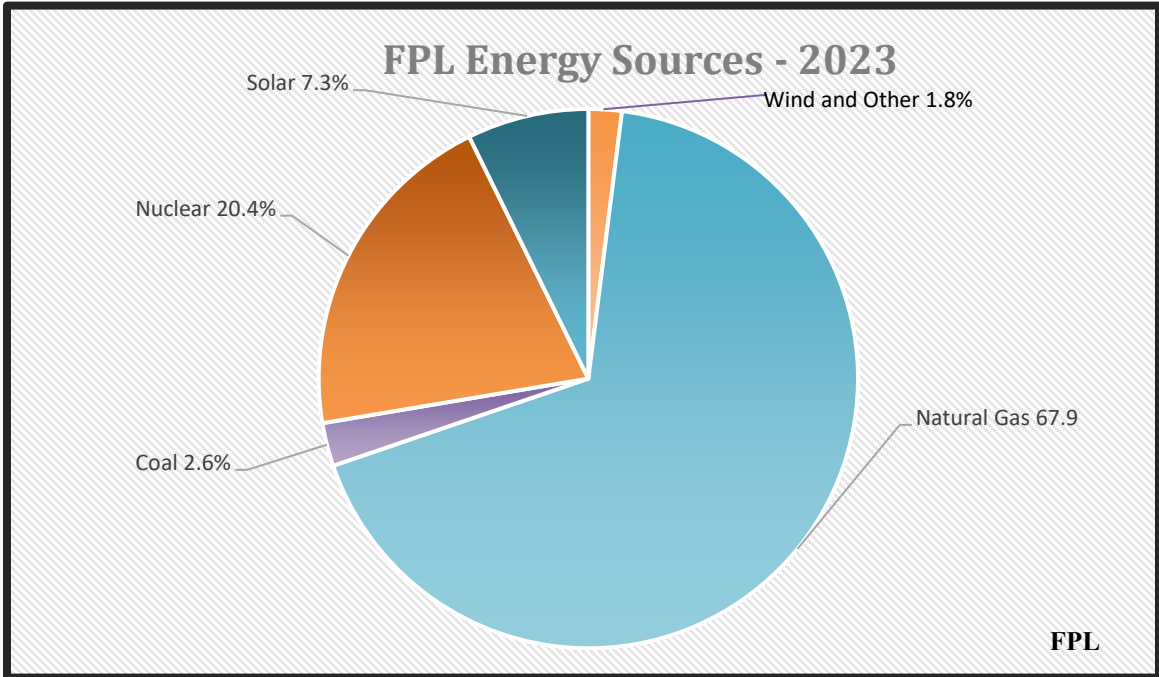
1/ Represents interchange between FPL and other utilities.

2/ Represents output from FPL's Solar PV, Solar Together, Solar Thermal, and Solar PPA facilities.

3/ The values shown represent energy produced from FPL-owned solar facilities that are part of FPL's SolarTogether (ST) program. Environmental attributes in the form of renewable energy certificates for that participant's allocation of the total energy produced are retired on the participant's behalf.

4/ Represents a forecast of energy expected to be purchased from Qualifying Facilities, Independent Power Producers, etc., net of Economy and other Power Sales.

Exhibit 4



TREASURE COAST REGIONAL PLANNING COUNCIL

MEMORANDUM

To: Council Members

AGENDA ITEM 4B3

From: Staff

Date: July 21, 2023

Subject: Florida Municipal Power Agency (FMPA) Ten-Year Power Plant Site Plan 2023-2032

Background

Each year, every major electric utility in the State of Florida produces a ten-year site plan that includes an estimate of future electric power generating needs, a projection of how those needs will be met, and disclosure of information pertaining to the utility's preferred and potential power plant sites. The Florida Public Service Commission (FPSC) requested that Council review the most recent ten-year site plan prepared by FMPA and provide comments to the FPSC on or before August 2, 2023.

This plan addresses FMPA generating power additions and retirements for the years 2023 through 2032, focused on the All-Requirements Power Supply Projects (ARP) whereby all the electrical power generating needs of member communities are met through FMPA.

The FMPA is a governmental wholesale power company owned by municipal electric utilities. It was created in 1978 to allow its original members to jointly own, operate, and manage electric power plants and currently has thirty-two members. The FMPA has responsibilities for power supply planning related to the ARP, where the Agency has committed to supplying all the power requirements of thirteen cities. One of the FMPA's members, Fort Pierce Utilities Authority, is in the Treasure Coast Region.

FMPA currently has six power supply projects that provide all the power needs of thirteen cities and some of the power need for other cities. FMPA generates electricity using various fuel types, including natural gas, coal, nuclear and renewables.

The FMPA electric generation capabilities include: 1) nuclear capacity entitlements, 2) ARP-owned generation capacity, and 3) ARP member-owned generation capacity. Some of this generation occurs within our region. In 1983, the FMPA purchased an 8.8 percent ownership interest in FPL's St. Lucie Unit No. 2 nuclear generating unit. This project is known as the St. Lucie Project. Fourteen of the FMPA members, including the one member in the Treasure Coast Region, are participants in the St. Lucie Project.

Analysis

The attached report summarizes FMPA plans for future power generation and provides comments for transmittal to the FPSC. The report concludes that FMPA continues to plan for demand over the planning period. They will primarily meet that demand with continued heavy dependence on fossil and nuclear fuels, but also concentrate on a rapid increase in renewable sources, primarily solar generating capacity.

Council supports FMPA's and the State's efforts to develop new programs to: 1) reduce reliance on fossil fuels as future energy sources, including retirement of coal facilities, 2) increase conservation activities to offset the need to construct new power plants, and 3) increase the use of renewable energy sources to produce electricity.

Recommendation

Council should approve the attached report and authorize its transmittal to the Florida Public Service Commission.

Council Action – July 28, 2023

Commissioner Smith from Martin County moved approval of the staff report with modification of the Conclusions and Recommendations to add urgency to the push for renewable energy and urge FMPA to increase their pace of conversion. Commissioner Marino from Palm Beach County seconded the motion, which carried unanimously.

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TREASURE COAST REGIONAL PLANNING COUNCIL

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July 28, 2023

Introduction

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Summary of the Plan

The FMPA is a governmental wholesale power company owned by municipal electric utilities. It was created in 1978 to allow its original members to jointly own, operate, and manage electric power plants and currently has thirty-two members. The FMPA has responsibilities for power supply planning related to the All Requirements Power Supply (ARP) members, where the agency has committed to supplying all the power requirements of thirteen cities. One of the FMPA's members, Fort Pierce Utilities Authority, is in the Treasure Coast Region.

FMPA currently has six power supply projects that provide all the power needs of thirteen cities and some of the power need for other cities. FMPA generates electricity using various fuel types, including natural gas, coal, nuclear and renewables (see Exhibit 2, Figure ES-1).

The FMPA electric generation capabilities include: 1) nuclear capacity entitlements, 2) ARP-owned generation capacity, and 3) ARP member-owned generation capacity. Some of this generation occurs within the region. In 1983, the FMPA purchased an 8.8 percent ownership interest in FPL's St. Lucie Unit No. 2 nuclear generating unit. This project is known as the St. Lucie Project. Fourteen of the FMPA members, including the one member in the Treasure Coast Region, are participants in the St. Lucie Project.

The total summer capacity of ARP resources for 2023 is 1,755 MW and 1,630 MW for 2032, comprised of ARP member-owned resources, ARP shares in nuclear, coal, and gas-fired plants, and power purchase agreements. Demand within ARP in 2023 is 1,512 MW, reducing to 1,417 MW in 2032 with reductions driven by changes in how much ARP produced power is made available for resale (see Exhibit 1, Schedule 7.1).

The current plan makes primary electricity gains through peaking purchase, which could be comprised of solar, energy storage, offsets from load management, and reserve capacity. FMPA

anticipates ceasing to burn coal after 2027 as one jointly owned coal unit retires in 2025 and the other is converted to natural gas in 2027. There are no new generating facilities proposed with ARP member owned systems (see Exhibit 3, Schedule 6.2).

Evaluation

The ten-year site plan indicates that fossil fuels will remain the primary but shrinking source of energy used by FMPA to generate electricity during the next 10 years (see Exhibit 3 Schedule 6.2); accounting for 92.1% (8.1% from coal and 84.0% from natural gas) of FMPA's electric generation in 2023. The plan predicts fossil fuels will account for 83.0% (0.0% from coal and 83.0% from natural gas) of FMPA electric generation in 2032. During the same period, nuclear sources are predicted to increase from 5.6% in 2023 to 5.7% in 2032. Solar sources are predicted to dramatically increase from 1.4% in 2023 to 10.7% in 2032.

Renewable Energy

FMPA is actively involved in planning and developing new renewable energy resources. Currently, the ARP purchases power from a sugar bagasse fueled cogeneration plant and uses landfill gas to supplement coal fuel requirements. The ARP has member-owned photovoltaic solar generating capacity and 20-year power purchase agreement solar capacity which will dramatically increase the share of electricity generated through renewable sources.

Conclusions and Recommendations

Recent dramatic spikes and volatility in the oil and gas markets, international threats to fuel supply, and desires to reduce greenhouse gas emissions as global weather becomes more extreme all confirm the value of moving as quickly as possible towards a more balanced fuels portfolio, with urgency on increasing renewable energy sources. Council supports reducing vulnerability to fuel price increases and supply interruptions, decreasing fossil fuel use, and increasing storage and conservation. Council also continues to encourage the Florida Legislature to adopt a Renewable Portfolio Standard to provide a mechanism to expand the use of renewable energy in Florida.

Council applauds FMPA's plan to reduce reliance on coal and replace it with renewable energy solar power and urges FMPA to increase the pace of conversion. To enhance these efforts, FMPA should consider expanding solar rebate programs for customers who install PV and solar water heating systems on their homes and businesses. These rebates should be coordinated with other programs, such as the Solar and Energy Loan Fund (SELF) and Property-Assessed Clean Energy (PACE) programs. SELF is a low interest rate loan program that provides financing for clean energy solutions. PACE programs allow property owners to finance energy retrofits by placing an additional tax assessment on the property in which the investment is made.

Council urges FMPA and the State of Florida to continue developing new programs to increase conservation measures and to rely, to a greater extent, on renewable energy sources. State legislators should amend the regulatory framework to provide financial incentives for power providers and customers. The phasing in of PV and other locally available energy sources will help Florida achieve a sustainable future as called for in Council's Strategic Regional Policy Plan.

The utility filing can be accessed at the following link:

[FMPA Municipal Power.pdf \(floridapsc.com\)](#)

Attachments

Exhibit 1

FMPA 2023 Ten-Year Site Plan

Forecast of Facilities Requirements

Schedule 7.1 Forecast of Capacity, Demand, and Scheduled Maintenance at Time of Summer Peak All-Requirements Power Supply Project

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | | (9) | (10) | (11) | | (12) |
|------|-----------------------------------|---------------------------|---------------------------|---------|-------------------------------|---|-----------------------------------|-------------|----------------------------|----------------------------------|-------------|--|------|
| Year | Total Installed Capacity (MW) [1] | Firm Capacity Import (MW) | Firm Capacity Export (MW) | QF (MW) | Total Available Capacity (MW) | System Firm Summer Peak Demand [2] (MW) | Reserve Margin before Maintenance | | Scheduled Maintenance (MW) | Reserve Margin after Maintenance | | | |
| | | | | | | | (MW) | (% of Peak) | | (MW) | (% of Peak) | | |
| 2023 | 1,496 | 260 | 0 | 0 | 1,755 | 1,512 | 243 | 16% | 0 | 243 | 16% | | |
| 2024 | 1,496 | 303 | 0 | 0 | 1,799 | 1,445 | 354 | 25% | 0 | 354 | 25% | | |
| 2025 | 1,496 | 322 | 0 | 0 | 1,818 | 1,539 | 280 | 18% | 0 | 280 | 18% | | |
| 2026 | 1,418 | 369 | 0 | 0 | 1,787 | 1,546 | 241 | 16% | 0 | 241 | 16% | | |
| 2027 | 1,418 | 369 | 0 | 0 | 1,787 | 1,545 | 241 | 16% | 0 | 241 | 16% | | |
| 2028 | 1,417 | 267 | 0 | 0 | 1,685 | 1,465 | 220 | 15% | 0 | 220 | 15% | | |
| 2029 | 1,417 | 283 | 0 | 0 | 1,701 | 1,479 | 222 | 15% | 0 | 222 | 15% | | |
| 2030 | 1,416 | 188 | 0 | 0 | 1,603 | 1,394 | 209 | 15% | 0 | 209 | 15% | | |
| 2031 | 1,416 | 201 | 0 | 0 | 1,617 | 1,406 | 211 | 15% | 0 | 211 | 15% | | |
| 2032 | 1,416 | 214 | 0 | 0 | 1,630 | 1,417 | 213 | 15% | 0 | 213 | 15% | | |

[1] See Table 5-1 for a listing of the resources identified as Installed Capacity and Firm Capacity Import.

[2] System Firm Summer Peak Demand includes transmission losses for the ARP Participants and additional ARP wholesale obligations served through FPL, DEF, and KUA.

Exhibit 2

Figure ES-1
ARP Participants and FMPA Power Supply Resource Locations

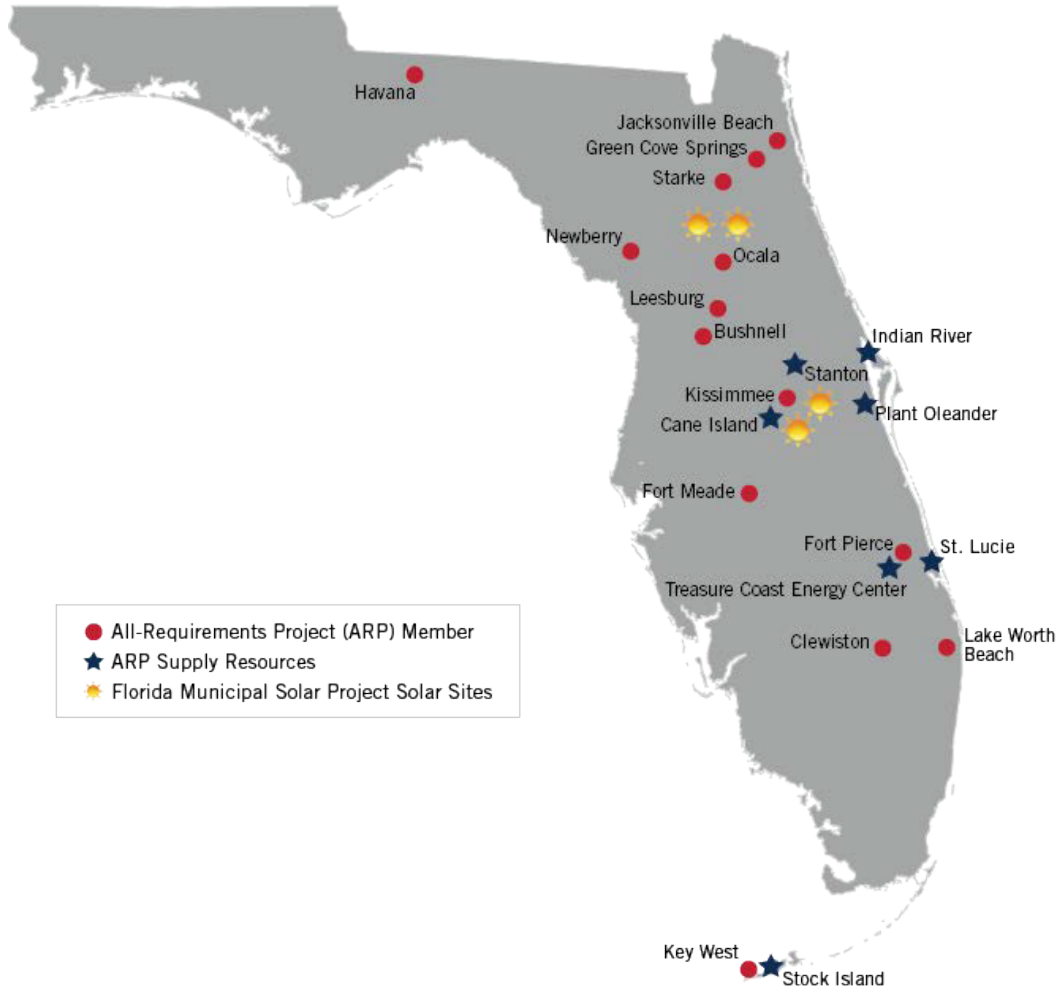


Exhibit 3

Schedule 6.2 - Energy Sources (%) – All-Requirements Power Supply Project

| (1) Line No. | (2) Energy Source | (3) Prime Mover | (4) Units | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | |
|-----------------|--------------------------------------|--------------------|--------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|------|
| | | | | Actual 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
| 1 | Annual Firm Inter-Region Interchange | | % | - | - | - | - | - | - | - | - | - | - | |
| 2 | Nuclear | | % | 5.6% | 5.6% | 5.7% | 5.5% | 5.5% | 5.3% | 5.8% | 5.7% | 5.6% | 5.8% | |
| 3 | [1] Coal | | % | 8.1% | 13.5% | 13.1% | 11.0% | 6.7% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 4 | Residual | Steam | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 5 | | CC | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 6 | | CT | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 7 | | Total | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 8 | | Distillate | Steam | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 9 | | | CC | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 10 | | | CT | % | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| 11 | Total | % | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| 12 | Natural Gas | Steam | % | 2.8% | 1.3% | 1.3% | 1.1% | 0.7% | 8.7% | 2.8% | 3.0% | 3.0% | 3.2% | |
| 13 | | CC | % | 79.4% | 76.6% | 75.1% | 75.8% | 74.9% | 73.3% | 78.4% | 78.3% | 78.8% | 78.3% | |
| 14 | | CT | % | 1.9% | 0.7% | 0.4% | 0.5% | 1.7% | 2.0% | 2.0% | 2.1% | 1.0% | 1.1% | |
| 15 | | Total | % | 84.0% | 78.6% | 76.8% | 77.4% | 77.2% | 84.1% | 83.2% | 83.4% | 82.9% | 82.8% | |
| 16 | NUG | | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 17 | Renewables | Biofuels | % | 0.6% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | 0.5% | |
| 18 | | Biomass | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 19 | | Geothermal | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 20 | | Hydro | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 21 | | Landfill Gas | % | 0.1% | 0.2% | 0.2% | 0.2% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 22 | | MSW | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 23 | | Solar | % | 1.4% | 1.6% | 3.7% | 5.4% | 10.0% | 10.0% | 10.5% | 10.4% | 10.9% | 10.8% | |
| 24 | | Wind | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 25 | | Other | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | |
| 26 | | Total | % | 2.1% | 2.3% | 4.4% | 6.0% | 10.6% | 10.6% | 11.0% | 10.9% | 11.5% | 11.4% | |
| 27 | Interchange | | % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| 28 | Net Energy for Load | | % | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | | |

[1] Nuclear generation shown is the ARP Participants' Entitlement Shares in the St. Lucie Project.

Water Management District

Northwest Florida Water Management District

Greg Davis

From: Glass, Arielle <Arielle.Glass@FloridaDEP.gov>
Sent: Thursday, June 22, 2023 3:59 PM
To: Patti Zellner
Cc: Greg Davis; Phillip Ellis; Patti Zellner; Orr, Elizabeth; Scott, Brandy
Subject: RE: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (018)
Attachments: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (018).docx

Good afternoon,

Attached please find the department's review comments.

Thank you.



Arielle Glass

Florida Department of Environmental Protection
Northwest District
Planner I
Arielle.Glass@floridadep.gov
Office: 850-595-0661
Fax: 850-595-8417

Florida Department of Environmental Protection - Northwest District

A banner with a blue background. On the left is the Florida Department of Environmental Protection logo. To its right is a row of ten small square images depicting various natural scenes: a sunset over water, a lily pond, a sunset over a body of water, a person kayaking, a sunset over a body of water, a sunset over a body of water, a sunset over a body of water, a sunset over a body of water, a sunset over a body of water, and a sunset over a body of water.

Request Pre-Application Meeting

From: Patti Zellner <PZELLNER@PSC.STATE.FL.US>
Sent: Thursday, May 4, 2023 9:02 AM
To: Orr, Elizabeth <Elizabeth.Orr@dep.state.fl.us>
Cc: Greg Davis <GDavis@psc.state.fl.us>; Phillip Ellis <PELLIS@PSC.STATE.FL.US>; Patti Zellner <PZELLNER@PSC.STATE.FL.US>
Subject: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (018)

EXTERNAL MESSAGE

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Dear Ms. Orr,
Please find attached your copy of the 2023 Ten-Year Site Plans – Comment Request letter, filed with the Florida Public Service Commission Clerk on May 4, 2023.



Thank you,
Patti Zellner
Administrative Assistant
Division of Engineering
2540 Shumard Oak Blvd.
Tallahassee, FL 32399
Office: 850-413-6208



DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (018)



2023 COMMENT
REQUEST Letter date

Air – No comment

Cleanup - City of Tallahassee Comments: None

Duke Energy Florida Comments: None

Florida Power & Light Company Comments: Proposed expansion/construction activities may require multiple permits

ERP - According to the supplied drawings and narrative, an Environmental Resource Permit may be required if construction will take place in wetlands/surface waters. A stormwater Individual ERP permit may be required, per 62-330.020, F.A.C., if the proposed project includes the addition of more than 4,000 sq. ft. of impervious surface subject to vehicular activity or 9,000 sq. ft. total. This includes areas where existing impervious surfaces are removed to bare earth and replaced. For any future guidance for this project, please contact the Department.

Solid Waste – No comment

Water – No comment

Water Management District

Southwest Florida Water Management District

June 27, 2023

Mr. Greg Davis, Engineering Specialist
Florida Public Service Commission
Division of Engineering
Capital Circle Office Center
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Subject: 2023 Electric Utility Ten-Year Site Plans

Dear Mr. Davis:

In response to your request, the Southwest Florida Water Management District (District) has completed its review of the 2023 Ten-Year Site Plans for Duke Energy Florida (DEF), Florida Power & Light Company (FPL), Lakeland Electric (LAK), Tampa Electric Company (TECO) and Seminole Electric Cooperative (SEC). The District conducted its review pursuant to Section 186.801(2)(e), Florida Statutes, which requires the Public Service Commission to consider “the views of the appropriate water management district as to the availability of water and its recommendation as to the use by the proposed plant of salt water or fresh water for cooling purposes.” Considering solar generating facilities only require small quantities of water for occasional cleaning of solar panels, they have been excluded from this review.

Regarding the construction of prospective non-solar generating facilities within the District (i.e., those that are not already approved, undergoing approval or under construction) our findings are as follows.

- DEF is not planning to construct any new generating facilities within the District
- FPL is not planning to construct any new generating facilities within the District
- LAK is not planning to construct any new generating facilities within the District
- TECO is planning to place a new reciprocating engine in service in 2025 at an undesignated site likely to be located within the District
- SEC is planning to place two new combined cycle units and two new combustion turbine units in service in the 2025-2030 timeframe at undesignated sites that may or may not be in the District

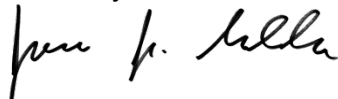
The District offers the following technical assistance comments for consideration.

- The most water conserving practices must be used in all processes and components of the power plant’s water use that are environmentally, technically and economically feasible for the activity, including reducing water losses, recycling, and reuse. If a lower quality water is available and is environmentally, technically and economically feasible for all or a portion of the proposed use, this lower quality water must be used.

- For new generating facilities proposed in the southern and much of the central portions of the District, there are additional water use constraints. These areas have been designated as Water Use Caution Areas. This designation has occurred in response to water resource impacts, such as saltwater intrusion, lowered water levels in lakes and wetlands, and reduced stream flows, which have been caused by excessive ground water withdrawals. Regional recovery strategies are being implemented to address these adverse water resource impacts. In Polk and southern Lake counties, there are also water use constraints associated with groundwater withdrawals above the 2025 demand within the Central Florida Water Initiative area. This designation has occurred in response to current and future water resource impacts which are anticipated to occur as a result of future growth and water withdrawals. The District has heightened concerns regarding potential impacts due to additional water withdrawals in these areas.
- Early coordination with the District's Water Use Permit (WUP) staff is encouraged prior to submittal of any site certification or WUP applications. For assistance or additional information concerning the District's WUP program, or to schedule a preapplication meeting, please contact April Breton, WUP manager, at (813) 445-6981 or april.breton@watermatters.org.

We appreciate this opportunity to participate in the review process. If you have any questions or require further assistance, please do not hesitate to contact me at (352) 269-6937 or james.golden@watermatters.org.

Sincerely,



James J. Golden, AICP
Senior Planner

JG

c: April Breton, SWFWMD
Darrin Herbst, SWFWMD

Local Government

Brevard County

Greg Davis

From: Ball, Jeffrey <Jeffrey.Ball@brevardfl.gov>
Sent: Wednesday, May 10, 2023 10:31 AM
To: Greg Davis
Subject: FW: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (026)
Attachments: 2023 COMMENT REQUEST Letter dated May 4, 2023_Part26.pdf

Thank you for allowing Brevard County an opportunity to provide comments to the 2023 Ten-Year Site Plans for Florida's Electric Utilities. At this time I offer the following comments:

- For properties located in unincorporated Brevard County, electric power generating facilities may require a FLU map change to the Comprehensive Plan, rezoning, and may also require a Conditional Use Permit (CUP). Furthermore, said facility's will require site planning. For a more definitive analysis, please provide a Tax Account number.

Please feel free to contact me if you have any additional questions or concerns.

Thank you,
Jeffrey

Jeffrey Ball, AICP
Brevard County Planning and Zoning Manager

This office can only provide zoning and comprehensive plan information. You may wish to contact other County agencies to fully determine the development potential of this property. This letter does not establish a right to develop or redevelop the property and does not constitute a waiver to any other applicable land development regulations. At the time of development, this property will be subject to all such regulations. Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

From: Calkins, Tad <tad.calkins@brevardfl.gov>
Sent: Tuesday, May 9, 2023 8:54 AM
To: Ball, Jeffrey <Jeffrey.Ball@brevardfl.gov>
Cc: Prasad, Billy <Billy.Prasad@brevardfl.gov>
Subject: FW: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (026)

Please look into this and take appropriate action.

From: Denninghoff, John P <John.Denninghoff@brevardfl.gov>
Sent: Friday, May 5, 2023 2:00 PM
To: Calkins, Tad <tad.calkins@brevardfl.gov>
Subject: FW: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (026)

Tad,

Please handle this as appropriate to obtain any comments to submit as a response.

Thanks,

John

From: Abbate, Frank B <Frank.Abbate@brevardfl.gov>

Sent: Friday, May 05, 2023 10:46 AM

To: Denninghoff, John P <John.Denninghoff@brevardfl.gov>

Subject: FW: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (026)

John:

FYI and review by appropriate staff.

Thanks,

Frank

From: Patti Zellner <PZELLNER@PSC.STATE.FL.US>

Sent: Thursday, May 4, 2023 10:04 AM

To: Abbate, Frank B <Frank.Abbate@brevardfl.gov>

Cc: Greg Davis <GDavis@psc.state.fl.us>; Phillip Ellis <PELLIS@PSC.STATE.FL.US>; Patti Zellner <PZELLNER@PSC.STATE.FL.US>

Subject: DN 20230000-OT (Undocketed Filings for 2023) Review of the Ten-Year Site Plans - Comment Request (026)

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Dear Mr. Abbate,

Please find attached your copy of the 2023 Ten-Year Site Plans – Comment Request letter, filed with the Florida Public Service Commission Clerk on May 4, 2023.



Thank you,
Patti Zellner
Administrative Assistant
Division of Engineering
2540 Shumard Oak Blvd.
Tallahassee, FL 32399
Office: 850-413-6208

"Under Florida Law, email addresses are Public Records. If you do not want your e-mail address released in response to public record requests, do not send electronic mail to this entity. Instead, contact this office by phone or in writing."

Local Governments

Hillsborough County

From: [Weeks, Abbie](#)
To: [Greg Davis](#)
Cc: [Muratti, Rick](#); [Bryant, Christina](#); [Tschantz, Richard](#)
Subject: EPC Comments for TECO 10 Year Site Plan
Date: Monday, July 24, 2023 7:14:27 PM

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good Afternoon,

EPC staff has reviewed the proposed Tampa Electric Company 10 year site plan and has the following comments to provide

For future development of properties within Hillsborough County, please be advised:

Any activity interfering with the integrity of wetland(s) or other surface water(s), such as clearing, excavating, draining or filling, without written authorization from the Executive Director of the EPC or authorized agent, pursuant to Section 1-11.07, Rules of the Commission, would be a violation of Section 17 of the Environmental Protection Act of Hillsborough County, Chapter 84-446, and Chapter 1-11, Rules of the EPC.

Please let me know if you have any questions. Thank you

Abbie N. O’Hern Weeks, C.W.E.

Environmental Scientist

Wetlands Division

813-627-2600 ex 1101 | www.epchc.org

Environmental Protection Commission

3629 Queen Palm Drive, Tampa, FL 33619

Our mission is *“to protect our natural resources, environment, and quality of life in Hillsborough County.”*

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Local Governments

Miami-Dade County



August 2, 2023

Mr. Greg Davis, Engineering Specialist
Division of Engineering
Florida Public Service Commission
Capital Circle Office Center
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

VIA EMAIL: GDavis@psc.state.fl.us

RE: Review of the 2023 Ten-Year Site Plan Review for Florida Power & Light Company (FPL)

Dear Mr. Davis:

The Miami-Dade County Department of Regulatory and Economic Resources, Division of Environmental Resource Management (DERM) has reviewed the FPL Ten-Year Power Plant Site Plan (Site Plan) 2023-2032, submitted to the Florida Public Service Commission pursuant to 186.801, Florida Statutes.

Under the Miami-Dade County home rule charter, the County Commission has the power to address pollution and contamination and has adopted Chapter 24 of the Miami-Dade County Code (the Code). Pursuant to Chapter 24 of the Code, DERM has been delegated to control and regulate activities which may cause pollution or contamination of air, water, soil or property in Miami-Dade County.

DERM notes that the Site Plan for two facilities in Miami-Dade County indicate work that would typically require DERM review and approval pursuant to the Code. Whether regulated directly by DERM or through the Conditions of Certification (CoCs) in the Florida Electrical Power Plant Siting Act (PPSA), DERM notes the following:

Preferred Site #45 – Redlands Solar Energy Center (page 525 of the Site Plan)

The proposed site plan indicates work that would typically require DERM review and approval (e.g., plan approval, tree removal permits, class permits, stormwater management, etc.) pursuant to the Code. Further, DERM recommends the following language be included the Site Supplemental Information Table:

Preferred Site #45 – Redlands Solar Energy Center (page 525 of the FPL site plan)

| | | |
|----|-----------------------|--|
| T. | Stormwater Management | Stormwater shall be required to retain onsite utilizing a properly designed seepage or infiltration system. Any grading, drainage improvements, development and/or impervious area within the project site will require a Miami-Dade County review and approval demonstrating with signed and sealed engineering calculations that the required retention of stormwater onsite is being achieved with a properly engineered stormwater management system and that the proposed development, shall not negatively impact adjacent, surrounding, upstream, and/or downstream properties. |
|----|-----------------------|--|

Preferred Site #46 – Turkey Point Units 6, & 7 (page 530 of the Site Plan)

For any existing, new or improved facilities not covered by the existing PPSA CoCs

The proposed site plan indicates work that would typically require DERM review and approval (e.g., plan approval, tree removal permits, class permits, stormwater management, etc.) pursuant to the Code. Further, DERM recommends the following language be included the Site Supplemental Information Table:

| | | |
|----|-----------------------|--|
| T. | Stormwater Management | Stormwater shall be required to retain onsite utilizing a properly designed seepage or infiltration system. Any grading, drainage improvements, development and/or impervious area within the project site will require a Miami-Dade County review and approval demonstrating with signed and sealed engineering calculations that the required retention of stormwater onsite is being achieved with a properly engineered stormwater management system and that the proposed development, shall not negatively impact adjacent, surrounding, upstream, and/or downstream properties. |
|----|-----------------------|--|

If you have any questions or need additional information, please contact Christine Velazquez at 305-372-6764, or via email at Christine.Velazquez@miamidade.gov.

Sincerely,



Christine Velazquez, Division Chief
Code Coordination and Environmental Initiatives
Division of Environmental Resources Management (DERM)

Local Government

Orange County



Jon V. Weiss, P.E., Deputy County Administrator

Orange County Government

201 S. Rosalind Avenue, 5th Floor, Orlando FL 32801

Email: Jon.Weiss@ocfl.net | Phone: (407) 836-7370

August 1, 2023

VIA EMAIL

Florida Public Service Commission

Capital Circle Office Center

2540 Shumard Oak Boulevard

Tallahassee, FL 32399-0850

Re: Review of the 2023 Ten-Year Site Plans for Florida's Electric Utilities

Dear Mr. Davis,

Orange County is in receipt of your letter dated May 4, 2023, regarding Review of the 2023 Ten-Year Site Plans for Florida's Electric Utilities. In your letter, you requested comments about identified preferred or potential plant sites in Orange County Jurisdiction. Only two utilities list power generation facilities in Orange County, which are FMPA Municipal Powers Agency and Orlando Utilities Commission. Your letter provided links to their Ten-Year Site Plans.

In review of both of those documents, they do not identify any specific properties in Orange County for new power generation facilities in their ten-year site plans; therefore Orange County does not have any comments.

Thank you for the opportunity to review and provide comments.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jon Weiss", written over a large blue circular scribble.

Jon V. Weiss, P.E.

Deputy County Administrator

CC: Byron W. Brooks, AICP, County Administrator

Local Government

Pasco County



July 18, 2023

Greg Davis, Engineering Specialist
Public Service Commission
Capital Circle Office Center
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

RE: Review of the 2023 Ten-Year Site Plans for Florida's Electric Utilities

Dear Mr. Davis:

In response to your letter dated May 4, 2023, relevant to the review of the 2023 Ten-Year Site Plans, Pasco County has reviewed these plans as applicable to our jurisdictional boundaries and we have no comment related to this information. If you have any questions or need additional assistance, please do not hesitate to contact this office.

Respectfully,

Jeffrey R. Jenkins Digitally signed by Jeffrey R. Jenkins
Date: 2023.07.18 11:07:19 -04'00'

Jeffrey R. Jenkins, MPA, AICP
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**PLANNING AND DEVELOPMENT DEPARTMENT
LONG RANGE PLANNING DIVISION**

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Local Government

Pinellas County

July 12, 2023

State of Florida Public Service Commission
Attn: Greg Davis, Engineering Specialist
Capital Circle Office Center
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Review of 2023 Ten-Year Site Plans for Florida's Electric Utilities

Dear Mr. Davis:

Thank you for the invitation to review the Ten-Year Site Plans (TYSP) for Florida's Electric Utilities. Pinellas County (County) is included in the Duke Energy Florida (DEF) electric utility service area. Hence, comments on the TYSP the focus of the County's review is specific to DEF's TYSP. The County has a keen interest in DEF's TYSP, as there remains a current Qualified Facility (QF) Power Purchase Agreement (PPA) in place between both parties for avoided electrical power capacity and the sale of electrical power from a municipal solid waste to energy facility. The PPA expires on December 31, 2024.

The County has questions, issues, and/or concerns with the following:

1. This plan includes a net addition of over 3,700 MW of solar PV generation with an expected equivalent summer firm capacity contribution of approximately 800 MW, 90 MW of firm storage added in 2027, and 135 MW of firm storage added in 2032. Several of the planned sites are essentially defined at 'TBD' and void of all economics. Yet, DEF has clearly detailed cost data for combustion turbine installations for the same forecast period.
2. The Pinellas Waste-to-Energy (WTE) facility is listed as 'Renewable MSW' but continues to use non-renewable natural gas fired combustion turbines as the basis of cost for avoided capacity calculations for a QF Standard Offer Contract. As listed as 'renewable', why not combine Renewable MSW into the same category as Renewable Solar and pay at the equivalent rates as avoided capacity for PV installations? The County strongly believes that all 'Renewables' should be treated on the same economic basis. This is especially true for Renewable MSW since it provides base load, highly reliable capacity, with a proven track record of over 30-years in the State of Florida.

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3. The plan indicates that most interest in QF sales is from PV developers with interconnection requests and DEF is the project developer for thirteen several of the active projects. The plan documents do not elaborate on what constitutes an "active" project.
4. Pinellas County is one of the largest Clean Energy Connection municipal partners and would recommend DEF to consider large scale solar generation and/or battery energy storage in Pinellas County for grid resiliency and emergency management needs.
5. As a large customer of DEF's, the plan lacks program information that targets large customer assistance such as energy audits and automated software to assist with energy data transfer to energy management software. It is recommended that DEF joins other nationwide utilities to provide data transfer to systems such as the Energy STAR Portfolio Manager. Doing so will permit customers to better track consumption to compare to energy efficiency goals.

If you have any questions regarding the County's review, please contact Paul Sacco, Department of Solid Waste Director at 727-464-7514 or at psacco@pinellascounty.org.

Sincerely,



Barry A. Burton
County Administrator

cc: Jill Silverboard, Deputy County Administrator/Chief of Staff
Paul Sacco, Director, Department of Solid Waste

Local Government

Polk County

From: [Bennett, Chanda](#)
To: [Greg Davis](#)
Subject: Review of the 2023 Ten-Year Site Plans for Florida's Electric Utilities
Date: Monday, August 14, 2023 8:20:10 AM

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Mr. Davis,

Good morning. This email is to let you know that Polk County does not have any comments on the 10 Year Site Plan for Florida's Electric Utilities. Thank you for the opportunity to review the documents. We will work with the companies if and when they need entitlement approval for any specific sites.

Thanks
Chanda

Chanda Bennett, AICP, CPM, Comprehensive Planning Administrator
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