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July 13, 2021

#### VIA HAND DELIVERY

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



COMPLISSION 4: 27

Re: Docket No. 20210015-EI

Dear Mr. Teitzman:

I enclose for filing in the above docket Florida Power & Light Company's ("FPL") Request for Confidential Classification of Information contained in its response to Office of Public Counsel's ("OPC") Fifteenth Request for Production of Documents, No. 138. The request includes Exhibits A, B (two copies), C and D. Exhibit A consists of the documents containing confidential information, on which the confidential information has been highlighted. Exhibit A is submitted for filing in an envelope marked "EXHIBIT A" – CONFIDENTIAL. Exhibit B is an edited version of Exhibit A, in which the information FPL asserts is confidential has been redacted. Exhibit C is a justification table in support of FPL's Request for Confidential Classification. Exhibit D contains the declaration in support of FPL's Request. In accordance with Rule 25-22.006(3)(d), FPL requests confidential treatment of the information in Exhibit A pending disposition of FPL's Request for Confidential Classification.

Please contact me if you or your Staff has any questions regarding this filing.

Sincerely,

s/ Maria Jose Moncada

Maria Jose Moncada

Enclosure

cc: Counsel for Parties of Record (w/ copy of FPL's Request for Confidential Classification)

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### BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Florida Power & Light | Docket No. 20210015-EI Company for Rate Unification and for Base

Rate Increase

Filed: July 13, 2021

FLORIDA POWER & LIGHT COMPANY'S REQUEST FOR CONFIDENTIAL CLASSIFICATION OF CERTAIN INFORMATION PROVIDED IN ITS RESPONSES TO OPC'S FIFTEENTH SET OF INTERROGATORIES No. 138

Pursuant to Section 366.093, Florida Statutes, and Rule 25-22.006, Florida Administrative Code, Florida Power & Light Company ("FPL") requests confidential classification of certain information provided in its responses to Fifteenth Request for Production of Documents No. 138 (the "Confidential Information"). In support of its Request, FPL states as follows:

- 1. FPL served responses to Fifteenth Request for Production of Documents No. 138, on July 13, 2021. This request is being filed contemporaneously with service of those responses to request confidential classification of certain information contained in its response to Fifteenth Request for Production of Documents No. 138, consistent with Rule 25-22.006, Florida Administrative Code.
  - The following exhibits are included with and made a part of this request: 2.
- Exhibit A consists of a copy of the confidential material on which all the a. information that FPL asserts is entitled to confidential treatment has been highlighted.
- Exhibit B consists of a copy of the confidential documents, on which all the b. information that is entitled to confidential treatment under Florida law has been redacted.
- Exhibit C is a table that identifies by column and line the information for c. which confidential treatment is being sought and references the specific statutory basis for the claim of confidentiality. Exhibit C also identifies the declarants who support the requested classification.

- d. Exhibit D contains the declarations of the individuals who support the requested classification.
- 3. The Confidential Information is intended to be and has been treated by FPL as private, its confidentiality has been maintained, and its disclosure would cause harm to FPL and its customers. Pursuant to Section 366.093, Fla. Stat., such materials are entitled to confidential treatment and are exempt from the disclosure provisions of the public records law. Thus, once the Commission determines that the information in question is proprietary confidential business information, the Commission is not required to engage in any further analysis or review such as weighing the harm of disclosure against the public interest in access to the information.
- 4. As described in the declarations included as Exhibit D, the Confidential Information contains information relating to competitive interests, the disclosure of which would impair the competitive business of the provider of the information. Specifically, the information pertains to affected system studies provided in response to OASIS requests. This information is protected by Section 366.093(3)(e), Fla. Stat.
- 5. Upon a finding by the Commission that the Confidential Information is proprietary confidential business information, the information should not be declassified for a period of at least eighteen (18) months and should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business. See§ 399.093(4), Fla. Stat.

WHEREFORE, for the above and foregoing reasons, as more fully set forth in the supporting materials and declarations included herewith, FPL respectfully requests that its Request for Confidential Classification be granted.

Respectfully submitted,

FLORIDA POWER & LIGHT COMPANY

## By: /s/ Maria Jose Moncada

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## CERTIFICATE OF SERVICE 20210015-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing\* has been furnished by electronic mail this 13<sup>th</sup> day of July 2021 to the following parties:

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\* The exhibits to this Request are not included with the service copies, but copies of Exhibits B, C and D are available upon request.

# **EXHIBIT B**

REDACTED

# Affected System Study

Gulf Power Company OASIS requests: 88952059 (GULF-FPL) and 88952025 (FPL-GULF)

Florida Power and Light OASIS requests: 88861164 (FPL-GULF) and 88861174 (GULF-FPL)

Prepared by:





Spoor
Exhibit OPC 2

A. KOMARIDIS WRAY



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## **APPENDICES**

Appendix A Metering Standard

Appendix B Real Estate Standard

Appendix C Easement Transmission Facility Document

Appendix D Easement Supplemental Rights Document



# 1.0 Executive Summary

Florida Power and Light (FPL) requested Point to Point bidirectional transfers of up to 850 MW between FPL and FPL's affiliate Gulf Power Company ("Gulf Power" or GPC) under Gulf Power OASIS requests 88952059 (GULF-FPL) and 88952025 (FPL-GULF), and Gulf Power requested Point to Point bidirectional transfers of up to 850 MW between FPL and Gulf Power under FPL OASIS requests 88861164 (FPL-GULF) and 88861174 (GULF-FPL) on April 1, 2019 ("Transmission Service Requests" or TSRs). The Duke Energy Florida (DEF) transmission planning group has developed a list of upgrades required to accommodate both the Florida Power and Light Company (FPL) and GPC TSRs.

The primary objective of this Affected System Study is to determine the estimated cost and schedule for DEF transmission upgrades necessary to maintain the reliability of DEF's system in light of the TSRs. Therefore, this study quantifies the estimated cost, work scope, and tentative schedules associated with the design and installation of required system modifications. This study assumes FPL's proposed 176-mile, 161 kV tie line between Gulf Power's Sinai substation and FPL's Raven substation, referred to as the North Florida Resiliency Connection ("NFRC"), is constructed by FPL and is fully in service prior to commencement of the requested power transfers. The facilities and costs discussed herein are therefore for DEF system upgrades only, and do not include any known or potentially affected system upgrades outside of the DEF system.

The Affected System Study cost estimates and schedules are intended to be all inclusive and represent total project cost associated with each scope outlined. The report is based on inputs from, but not limited to, the following groups: land rights research and development, vegetation management, public engagement, engineering, telecommunications, and work management. Engineering analyses include inputs from the following disciplines: distribution, transmission line, substation physical, protection and controls, relay settings, structural, and civil.



# 2.0 Baseline Assumptions

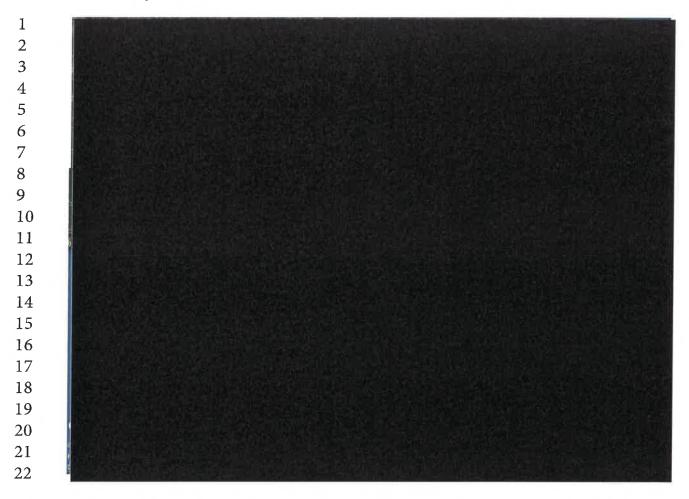
The DEF upgrades are based on the application of industry standard equipment unless otherwise noted. Any new or rebuilt DEF facilities will be designed and built according to DEF's current practice. The proposed protection schemes to be installed or modified by DEF are intended to protect DEF's Transmission Network. The upgrades will meet applicable NERC Standards and Guidelines.

Any required outages necessary to support construction of the upgrades must be coordinated with the DEF Energy Control Center ("ECC"). If an outage of sufficient duration cannot be obtained to support any of the required construction activities, alternative solutions such as new or temporary facilities may have to be constructed to maintain the integrity of the grid.

The costs and schedule are based on the assumptions identified in this Affected System Study and are considered to be good faith estimates represented in present day dollars as of the date of the study. The cost estimates provided use currently available pricing in DEF's estimating system. Costs may fluctuate due to inflation or changes in market price. The estimates are further premised on being able to perform work during normal business hours with minimum overtime or weekend work unless otherwise noted. The estimates assume no changes in scope or design from that provided in previous studies.



# 3.0 Project Overview





## 3.1 Clarifications and Assumptions

Upgrades outlined in section 3.2 are referred to as either Impacted or Reliability facilities. Those upgrades identified as "Impacted Facilities" are found to be directly affected by the inclusion of the FPL-GPC TSRs using the 2018 Databank cases, adjusted as agreed to in the Affected System Study Agreement. Some of the Impacted Facilities have active projects with planned in-service dates, accurate at the time this report was created. Based on the inclusion of the FPL & GPC TSRs, the Impacted Facilities are expected to become overloaded prior to initial DEF transmission planning forecasts. Therefore, planned in-service dates may need to be accelerated to maintain reliability of DEF's system. The PISD (Planned In Service Date) identified in the tables below represents DEF typical and standard scheduling practices, activities, durations and methodologies. Further evaluation would be required to evaluate if schedule acceleration can be achieved.

At the request of FPL and as agreed in the Affected System Study Agreement, DEF conducted the Affected System Study using 2018 Databank cases instead of the most recent 2020 Databank cases. It is understood that large changes since the 2018 Databank include, but are not limited to, expiration of firm transactions in SOCO-FL import. Had the 2020 Databank cases been used instead, additional facilities would have shown impact caused by the FPL & GPC TSRs. These facilities are identified as "Reliability Facilities". While DEF does not propose to directly assign these Reliability Facilities to FPL as a result of the FPL-GPC TSRs, operational coordination will be required to ensure continued regional reliability until these Reliability Facilities have been addressed in DEF's overall Transmission plan.

The findings of this study also are made under the assumption that a number of active projects modeled in the 2018 cases are constructed. Should any of these projects be delayed or left unbuilt, reassessment of the impact to DEF due to the FPL & GPC TSRs may be required. DEF has identified the facilities listed below in Table 3-1 as Contingent Facilities, which are those Active projects modeled in the 2018 cases that are most likely to require a reassessment if they are delayed or not constructed.

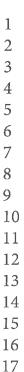
Table 3-1

Contingent Facilities <sup>1</sup>	PISD <sup>2</sup>	Summary of Scope
Crystal River – Bronson 230 KV <sup>3</sup>	5/31/2022	Transmission Line Ampacity Increase
Winter Springs 230 KV tie lines	05/31/2021	New DEF-FPL tie lines
Williston – Bronson 230 KV	11/30/2021	New 230 KV line
FT White – Perry 115 KV	5/31/2022	New 115 KV line
Anderson – Wildwood 69 KV	5/31/2021	Transmission Line Ampacity Increase

<sup>&</sup>lt;sup>1</sup>Contingent Facilities scope, schedule, and cost impacts are not included in this Affected System Study Report.

<sup>&</sup>lt;sup>2</sup>PISD represents the modeled ISD in 2018 Databank cases.

<sup>&</sup>lt;sup>3</sup>This facility is associated with a suspended IA for the Interconnection Customer under Q137 and Q181. The estimated completion date in the suspended IA for this facility is May 31, 2022. For purposes of this study, the modeled ISDs are made in good faith assuming that the delay in ISD directly corresponds to the length of suspension, although the actual delay in the ISD may differ.





## 3.2 Proposed Upgrades

This section outlines all facilities identified as upgrades for the affected system study. The tables below distinguish between "Impacted Facilities" and "Reliability Facilities", which are defined above in Section 3.1. For scope of work, please refer to the scope of work sections in this report. Facilities are represented as discrete projects with independent cost estimates and dependent schedules. The initial project schedule start date is identified as the notice to proceed date (NTP) and each facility is dependent on the prior facility, as specified below. The schedule logic is based on input from DEF and outage restrictions in the affected areas. Remote end substation scope is assumed to be completed in parallel to each first associated line segment.

To help the understanding of the below tables, the following example can be used: The FO-3 Upgrades could be placed in service 215 weeks after an NTP is provided for that scope of work. The FO-2B Upgrades could be placed in service 94 weeks after FO-3 was placed in service. In Summary, the overall duration outlined to place FO-2B in service would be NTP+215+94 = NTP + 309 weeks.

Overall, the total estimated cost of the Impacted Facilities is \$222,010,072, and the total estimated cost of the Reliability Facilities is \$215,016,073.

**Table 3-2 FPL to GULF TSR Impacts** 

Impacted Facilities	Mileage (mi)	Remote End(s)/Scope	
FO-3	10.42	Martin West, #341 Silver Springs North (SECI)	
JQ-4	14.69	Greenville, #20 Hanson, #60	Maria I
Bronson	N/A	Install 2 <sup>nd</sup> Transformer	
Central Florida	N/A	Bus Re-Configuration	fataura sunt
Reliability Facilities	والأراج الأوالي	THE RESERVE OF THE PARTY OF THE PARTY.	STATE OF THE STATE
FO-28	14.12	Martin West, #341 Williston North, #549	
SW-1.2/ SW-2.2	5.18	Hamilton, #529 West Lake, #105	
JQ-2	6.19	Sonnie Tap, #JQ-137 West Lake, #105	
JQ-3	6.63	Hanson, #60 Sonnie Tap, # JQ-137	
JQ-5	8.55	Aucilla Tap, #JQ-326 Greenville, #20	

Impacted Facilities	Mileage (mi)	Remote End(s)/Scope	
JQ-10	3.95	Baker Tap, #JQ-498 5/8 Killearn Tap, #JQ-514	
JQ-9¹	7.71	Baker Tap, #JQ-498 5/8 Miccosukee Tap, #JQ-439	
New Ckt	~11.5	Powerline, #514 Holder, #34	The State of State
Perry	N/A	Install 2 <sup>nd</sup> Transformer	A THE RATIONAL PROPERTY OF

**Table 3-4 Required Remote End Upgrades** 

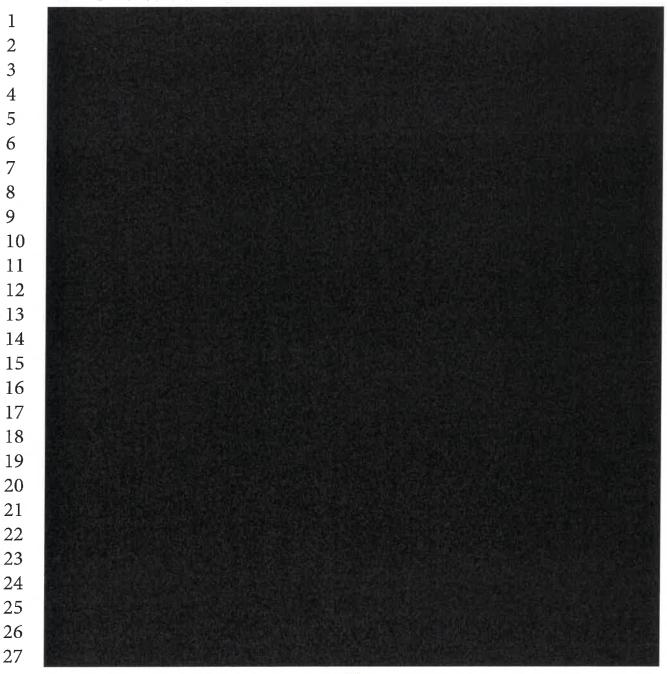
Impacted Facilities	Remote End Upgrade(s) <sup>1</sup>
Martin West	Equipment upgrades to achieve a continuous rating of 3000A
Silver Springs (S.E.C.I)	Third party facilities are not quantified as a part of this study.
Greenville	Switching station rebuild to support continuous 2000A
Hanson	Upgrade station equipment to support continuous 2000A
Baker	Upgrade 3-Way GOAB tap switch to support continuous 2000A
Miccosukee Tap	Upgrade 3-Way GOAB tap switch to support continuous 2000A
Killearn Tap	Upgrade 3-Way GOAB tap switch to support continuous 2000A
Reliability Facilities	
Williston North	None Required
Hamilton	Misc. Telecom Upgrades
West Lake	None Required
Sonnie Tap	Upgrade 3-Way GOAB tap switch to support continuous 2000A
Aucilla Tap	Upgrade 3-Way GOAB tap switch to support continuous 2000A



# 4.0 Background and Analysis

DEF transmission planning identified the need to increase ampacity along the FO, JQ, and SW line corridors. The 230 kV corridor is to be increased to 3000 amps and the 115 kV line corridor to be increased to 2000 amps. Recommendations provided are based on what was established as preferred for DEF, with a focus on ECC restoration times and land rights analysis.

## 4.1 FO Transmission Line





## 4.1.1 FO Design Recommendations

Based on the investigations done in preparation of this report, the proposed design option shall satisfy all requirements of the existing land rights provisions as to not require supplemental rights or repurchase of the corridor to the best of its ability. With regards to the circuit restoration time, the existing portal structures will be converted to a temporary circuit with minimal outages required. The temporary circuit will be maintained through construction to allow for it to be put into service at any time.





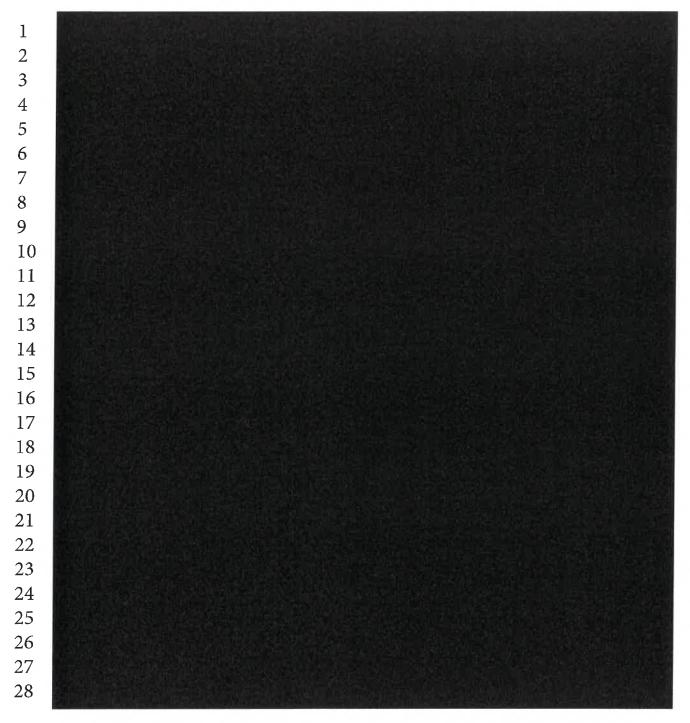
## 4.1.2 Clarifications and Assumptions

- Cost Estimate and schedules assume a 10-man crew working 5 days per week completing 1 mile per 4 weeks.
- New structures and conductors are assumed to be economically designed according to latest DEF transmission design standards and industry codes, such as the NESC.
- New structures assumed to be monopoles with arms and v-string insulator assemblies. Span lengths do not allow for the use of standard DEF braced post insulator assembly.
- In support of temporary line work, Further verification of existing concrete structure member strengths and connection capacities to be performed if desired and if sufficient structural data can be obtained.
- The ability to utilize standard and typical foundations is assumed.
- EMF to meet FDEP requirements.
- All Design to meet FAA requirements.
- Engineering costs include detailed engineering design and engineering management.
- Owner's AFUDC Cost for DEF are not included in the cost estimates.
- Cost estimates are based on 2021 dollars with escalation and no discount rates included.
- Land, Environmental, Permitting and Storm Water Pollution Prevention Plan are included in the estimate costs.
- It is assumed that the relevant jurisdiction will be favorable when permitting the proposed work.

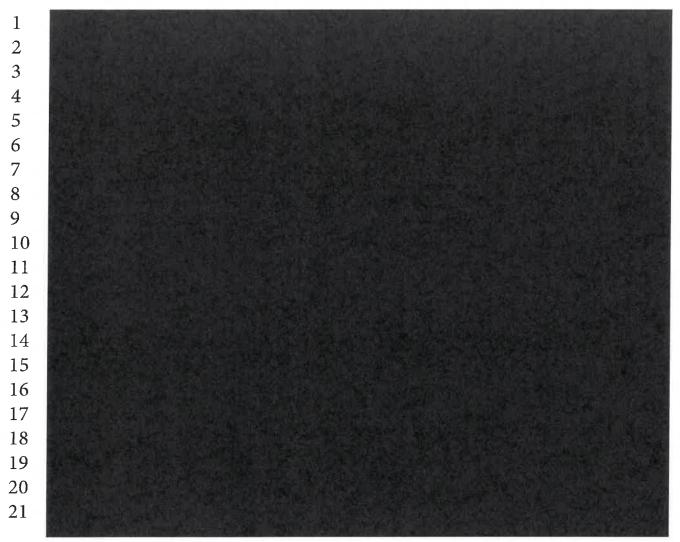
  Ability to utilize existing transmission alignment and substation property is assumed.
- The construction durations are dependent on outage constraints. If construction does not align
  with available outage windows, construction durations could be impacted significantly. FO Line
  segments may not be worked concurrently.
- The scope, schedule, and cost outlined in this study account for typical DEF outage constraints and restoration requirements. Constructability of the final design will need to accommodate all emergency restoration time requirements.



# 4.2 JQ Transmission Line









## 4.2.1 JQ Design Recommendations

Based on the investigations done in preparation of this report, the proposed design option shall satisfy all requirements of the existing land rights provisions as to not require supplemental rights or repurchase of the corridor to the best of its ability. With regards to the circuit restoration time, the existing structures will be replaced by new structures and existing wires will be re-attached with minimal outages. The existing circuit will be maintained through construction to allow for it to be put into service at any time.



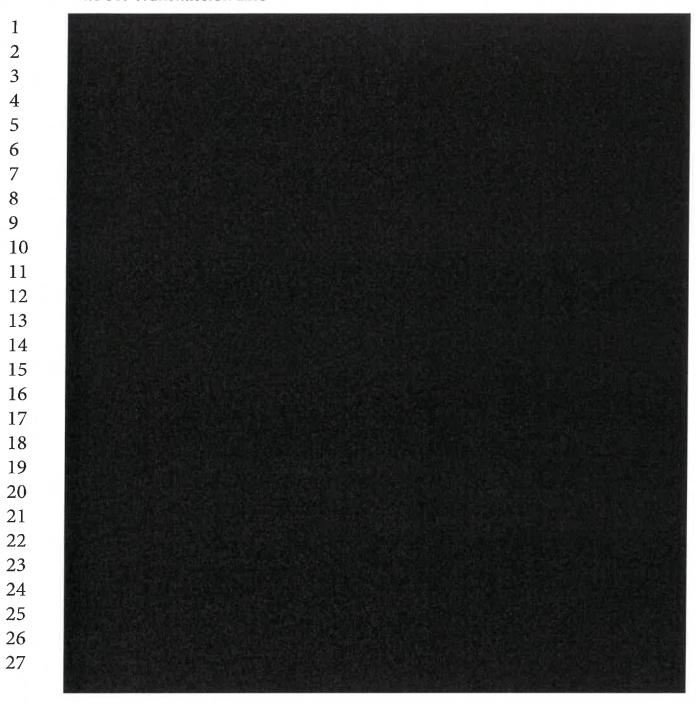


### 4.2.2 JQ Clarifications and Assumptions

- Standard schedules assume a 10-man crew working 5 days per week completing 1 mile per 4 weeks.
- New structures and conductors are assumed to be economically designed according to latest DEF transmission design standards and industry codes, such as the NESC.
- New structures assumed to be h-frames or monopoles with davit arms and v-string insulator assemblies. Typical loads at the wire attachments do not allow for the use of standard DEF braced post insulator assembly.
- New h-frame structure steel weight is optimized by using the multiple cross braces. Structures could be designed to reduce the number of cross braces if preferred.
- The ability to utilize standard and typical foundations is assumed.
- The ability to utilize standard and typical foundations is assumed.
- EMF to meet FDEP requirements.
- All Design to meet FAA requirements.
- Engineering costs include detailed engineering design and engineering management.
- Owner's AFUDC Cost for DEF are not included in the cost estimates.
- Cost estimates are based on 2021 dollars with escalation and no discount rates included.
- Land, Environmental, Permitting and Storm Water Pollution Prevention Plan are included in the estimate costs.
- It is assumed that the relevant jurisdiction will be favorable when permitting the proposed work. Ability to utilize existing transmission alignment and substation property is assumed.
- The construction durations are dependent on outage constraints. If construction does not align with available outage windows, construction durations could be impacted significantly. Line segments may not be worked concurrently.
- The scope, schedule, and cost outlined in this study account for typical DEF outage constraints and restoration requirements. Constructability of the final design will need to accommodate all emergency restoration time requirements.



# 4.3 SW Transmission Line





### 4.3.1 SW Design Recommendations

Based on the investigations done in preparation of this report, the proposed design option shall satisfy all requirements of the existing land rights provisions as to not require supplemental rights or repurchase of the corridor to the best of its ability. With regards to the circuit restoration time, the existing structures will be replaced by new structures and existing wires will be re-attached with minimal outages. The existing circuit will be maintained through construction to allow for it to be put into service at any time.



## 4.3.2 SW Clarifications and Assumptions

- Standard schedules assume a 10-man crew working 5 days per week completing 1 mile per 4 weeks.
- New structures and conductors are assumed to be economically designed according to latest DEF transmission design standards and industry codes, such as the NESC.
- New structures assumed to be h-frames with davit arms and v-string insulator assemblies.
- The ability to utilize standard and typical foundations is assumed.
- The ability to utilize standard and typical foundations is assumed.
- EMF to meet FDEP requirements.
- All Design to meet FAA requirements.
- Engineering costs include detailed engineering design and engineering management.
- Owner's AFUDC Cost for DEF are not included in the cost estimates.
- Cost estimates are based on 2021 dollars with escalation and no discount rates included.
- Land, Environmental, Permitting and Storm Water Pollution Prevention Plan are included in the estimate costs.
- It is assumed that the relevant jurisdiction will be favorable when permitting the proposed work.

  Ability to utilize existing transmission alignment and substation property is assumed.
- The construction durations are dependent on outage constraints. If construction does not align
  with available outage windows, construction durations could be impacted significantly. Line
  segments or circuits may not be worked concurrently.
- The scope, schedule, and cost outlined in this study account for typical DEF outage constraints and restoration requirements. Constructability of the final design will need to accommodate all emergency restoration time requirements.



# 5.0 Scope of Work

The scope, schedule, and cost development were based on discussions together with subject matter experts. Desktop reviews have been completed by the following teams and are included in the estimates and schedules provided in this report.

- Public Engagement
- Land and Real Estate Research
- Asset Protection (Encroachments)
- Vegetation Management
- Permitting Analysis and Findings
- Routing and Siting
- Land Acquisition
- Engineering (Distribution, Transmission Line, Substation, Protection and Controls, Telecom)
- Construction
- ECC Requirements (Outage Requirements)

## **5.1.1** Clarifications and Assumptions

• Asset Protection Priority 1 interferences to be coordinated and resolved prior to construction move in.



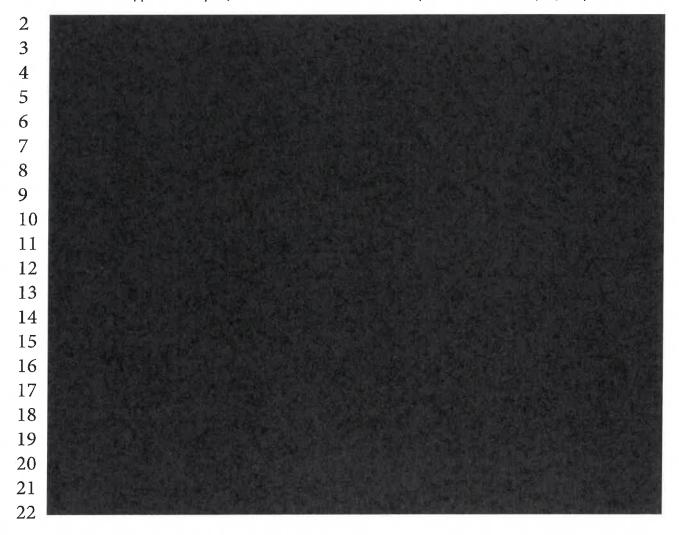
## **5.2 FPL To Gulf TSR Scope of Work**

## 5.2.1 FO-3 Line Segment

## A. Transmission Line Work Scope

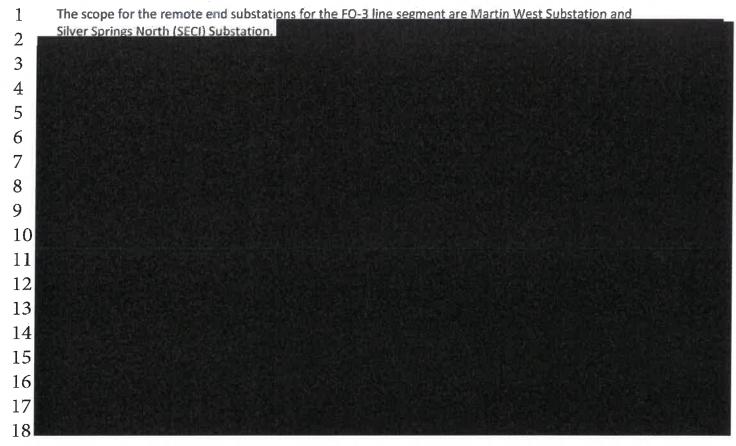
Install approximately 10.54-miles of new 230 kV transmission from #341 Martin West to structure FO-305 1/3 (#7958 Silver Springs North S.E.C.I.), The segment is considered to exist from FO-257 to FO-305 1/3. The remainder of the segment is considered a third-party upgrade and is not included in this study. Route analysis details may be available upon request.

- Install 50 structures and 12 single phase temporary structures.
- Add approximately 55,651' of 2-Bundled 795 ACSS/TW "Drake" conductor per phase.
- Add approximately 55,651' of Temporary single phase 795 ACSR "Drake" conductor.
- Add approximately 55,651' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).

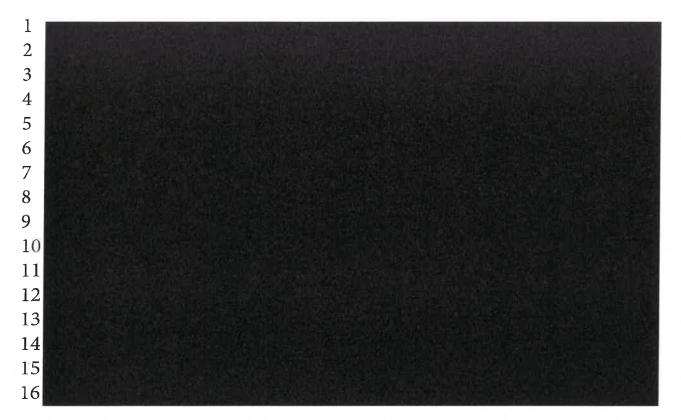




## **B.** Remote End Substations









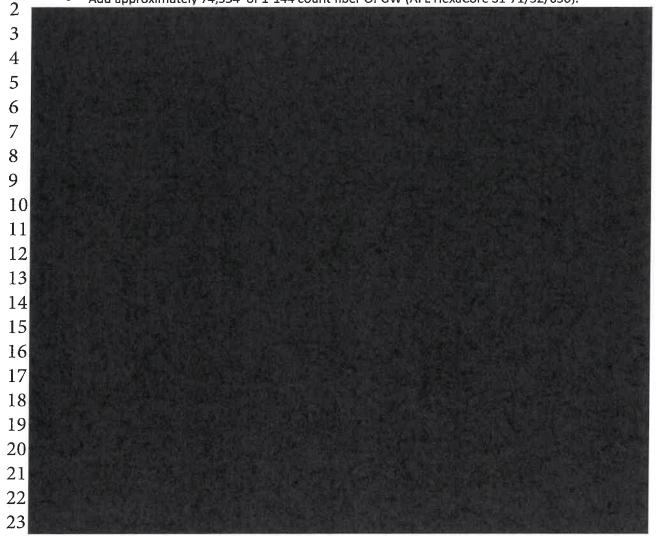
## 5.2.2 FO-2B Line Segment

## A. Transmission Line Work Scope

Install approximately 14.12-miles of new 230 kV transmission from #549 Williston North to #341 Martin

West between structures FO-195-1 and FO-256, The line segment between FO-195-1 and Williston North is expected to meet the required ampacity rating and is not included in this study. Route analysis details may be available upon request.

- Install 61 structures and 8 single phase temporary structures.
- Add approximately 74,554' of 2- Bundled 795 ACSS/TW "Drake" conductor per phase.
- Add approximately 74,554' of temporary single phase 795 ACSR "Drake" conductor.
- Add approximately 74,554' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).

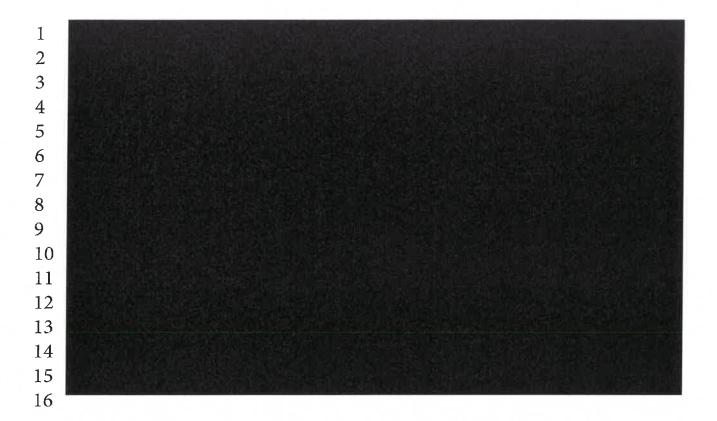




## B. Remote End Substations

The remote end substations associated with the FO-2B line segment are Williston North to Martin West. Please refer to sections 7.1 and 7.2 respectively 





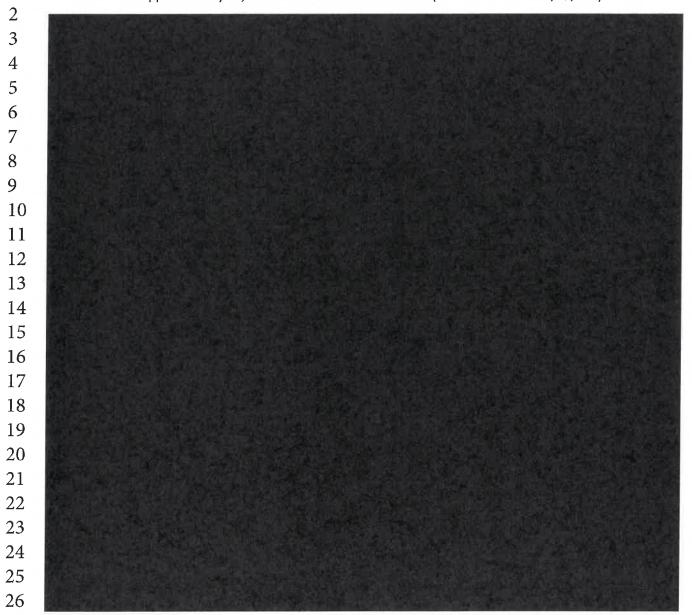


## 5.2.3 JQ-4 Line Segment

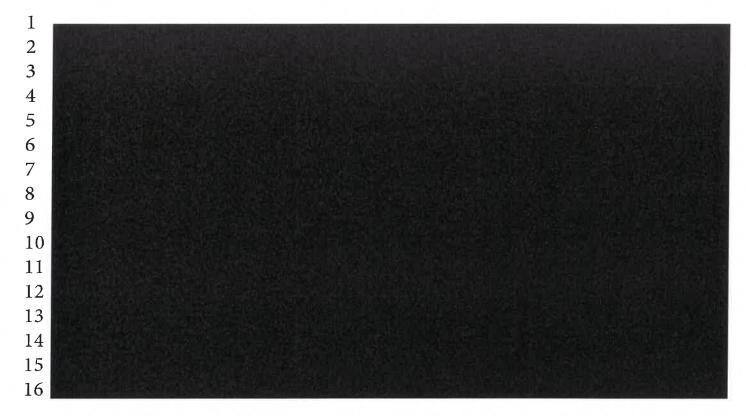
1

## A. Transmission Line Work Scope

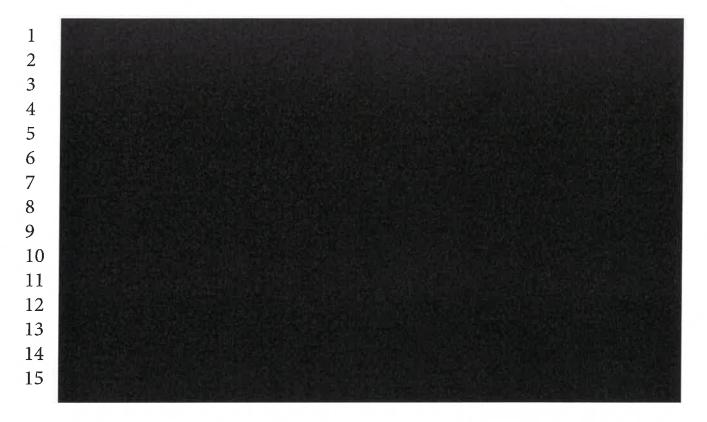
- Install approximately 14.69-miles of new 115 kV transmission from #20 Greenville Switching Station to #60 Hanson Switching Station, Route analysis details may be available upon request.
- Install 94 structures.
- Add approximately 77,563' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 77,563' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).













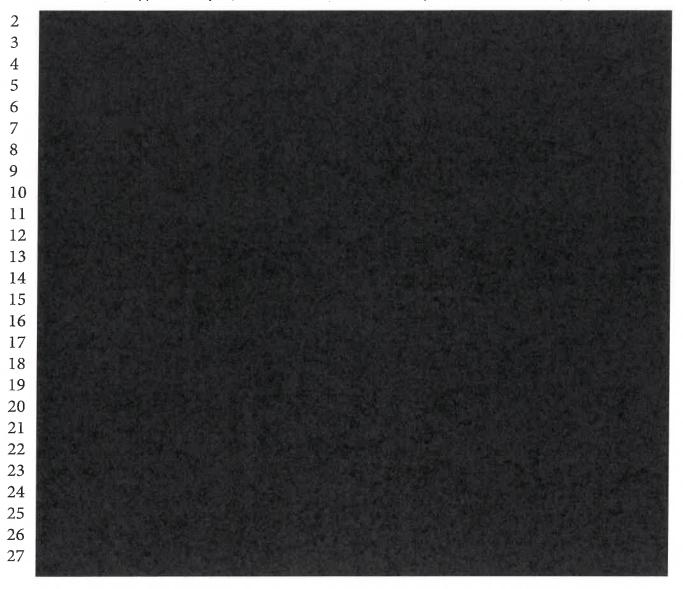
# 5.2.4 JQ-2 Line Segment

1

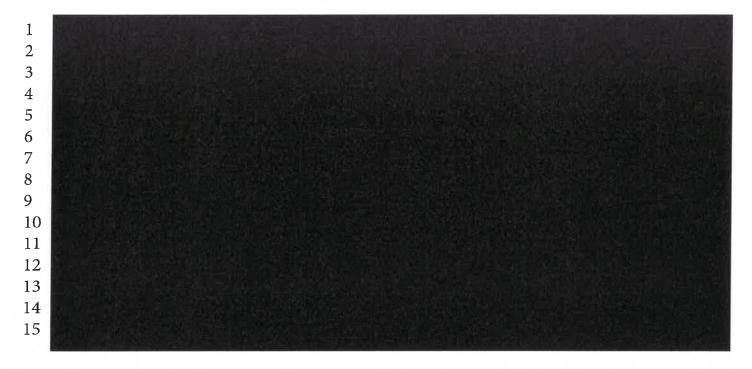
# A. Transmission Line Work Scope

Install approximately 6.19-miles of new 115 kV transmission from Sonnie Tap to West Lake Switching Station,

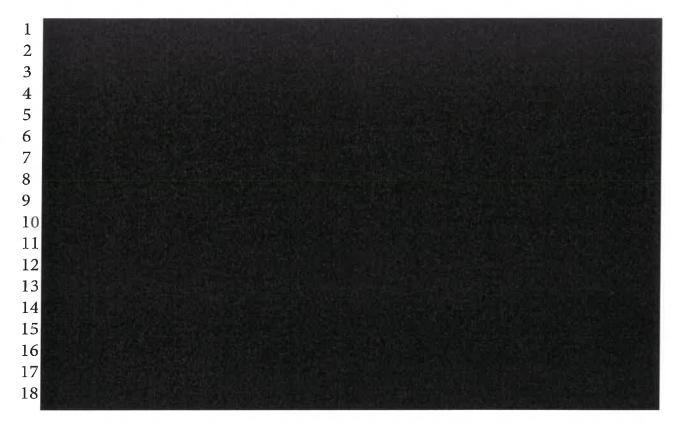
- Install 49 structures.
- Add approximately 32,683' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 32,683' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).













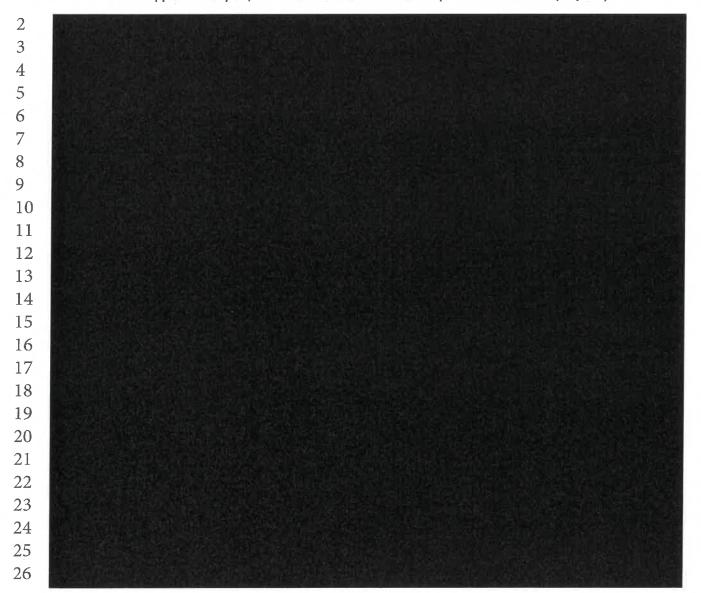
# 5.2.5 JQ-5 Line Segment

1

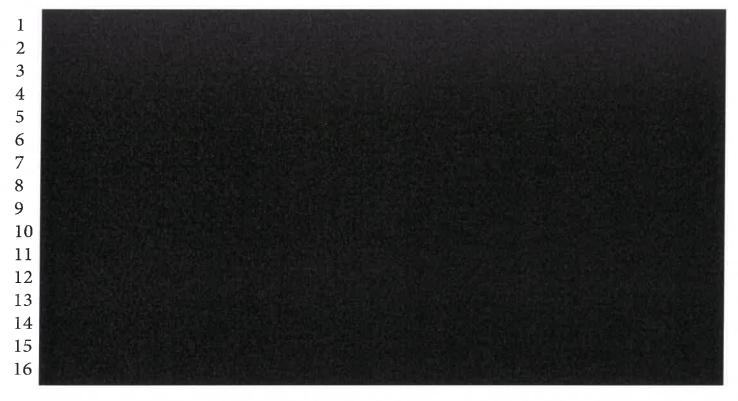
# A. Transmission Line Work Scope

Install approximately 8.55-miles of new 115 kV transmission from Aucilla Tap to Greenville Switching Station,

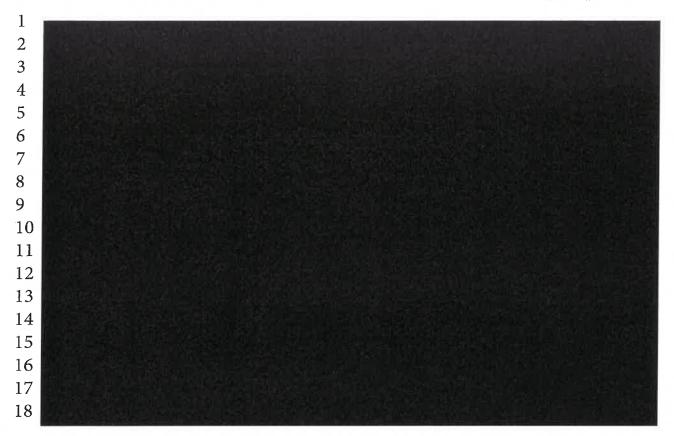
- Install 57 structures.
- Add approximately 45,144' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 45,144' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).













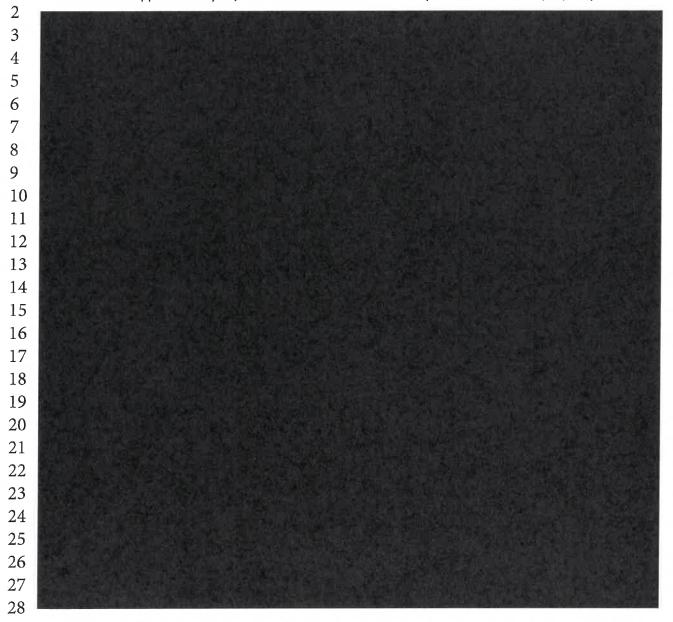
# 5.2.6 SW-1.2/2.2 Line Segment

## A. Transmission Line Work Scope

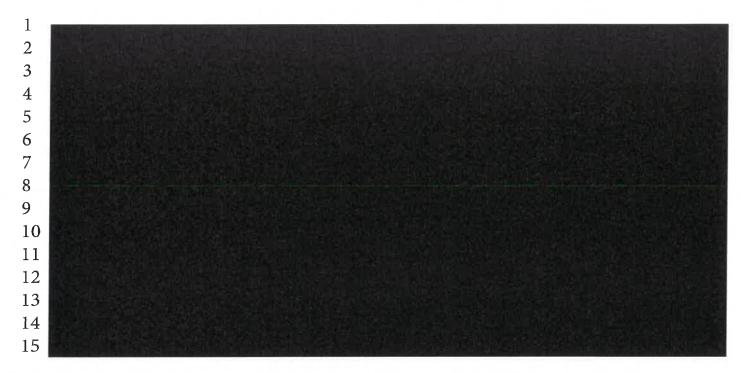
Install approximately 5.25-miles of new 115 kV transmission from #105 West Lake Switching Station to #529 Hamilton Switching Station,

Install 29 structures.

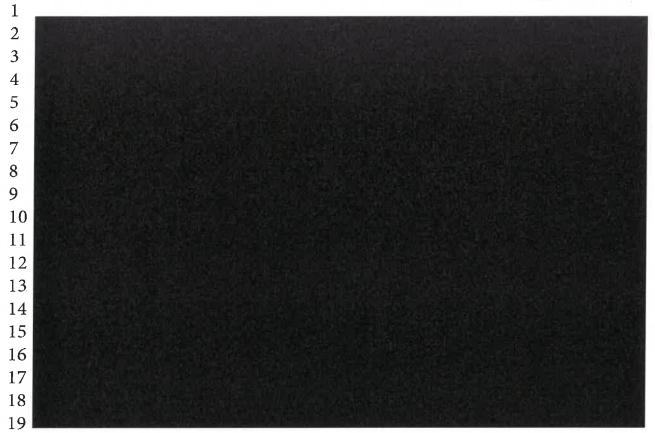
- Add approximately 27,720' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 27,720' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).













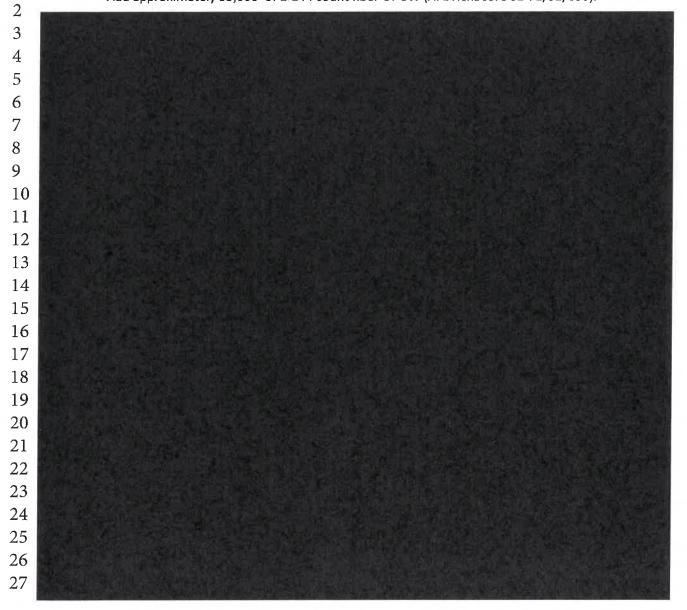
# 5.2.7 JQ-3 Line Segment

1

# A. Transmission Line Work Scope

Install approximately 6.63-miles of new 115 kV transmission from Hanson Switching Station to Sonnie Tap,

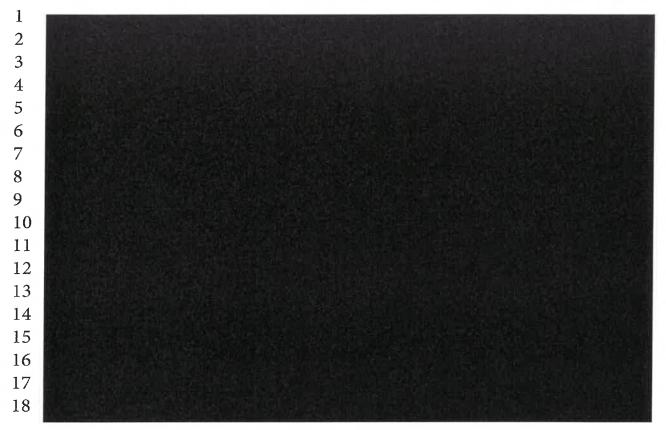
- Install 44 structures.
- Add approximately 35,006' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 35,006' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).













#### 5.2.8 Central Florida Substation

DEF's Central Florida Substation 230 kV Yard is currently a seven-bay breaker and a half configuration. The existing layout presents reliability concerns and prevents full implementation of all 14 positions due to a normally open breaker between Bank #1 and Bank #3. This configuration causes loss of Bank #1 is due to several breaker failure scenarios.

### A. Scope of Work

- To achieve desired reliability, this study proposes the relocation of the 230/69 kV Bank #1
  transformer to the existing Dallas 230 kV line position. The Dallas 230 kV line is be relocated to
  the available line position on the existing Clermont East bay. DEF transmission planning
  modelled several scenarios determining this proposed layout configuration to provide highest
  reliability with least expected impact to existing transmission entry/exits. In addition, this will
  allow for the currently normally open breaker to be closed and allows for future use of the
  existing Bank #1 position.
- The relay setting calculations for the existing Bank #1 Transformer and Dallas 230 KV line will need to be revisited. Based on the new setting calculation the setting files may need to be updated. Relay settings will be required for the new 230 kV breaker adjacent to the relocated Dallas 230 KV line.
- The proposed General Layout drawings is available upon request.

### B. Major Equipment

#### **Transmission Line**

#### 230 kV Dallas Line Relocation

- Install dead-end monopole like drawing T-11716-A. Reuse jumper posts from the existing tower to redirect CFO line to the dead-end monopole.
- Install 1590 ACSR "Falcon", and 96 count OPGW from the dead-end monopole to the 3-pole heavy angle dead-end structure.
- Install 1590 ACSR "Falcon", and 96 count OPGW from the 3-pole heavy angle dead-end structure to the other 3-pole heavy angle dead-end structure. Span is to go underneath the existing 230kV CFS line.
- Install 1590 ACSR "Falcon", 3/8" HS OHGW, and 96 count OPGW from the 3-pole heavy angle dead-end structure to the new Dallas Substation Terminal.
- Install 3-pole dead-end between the existing 230kV line between the old Dallas terminal to the dead-end tower. This is to maintain tensions on the existing tower.

#### Affected System Study Report



#### **Substation Physical**

- Install one (1) 230 kV Dead-End Structure with lightning spikes
- Install three (3) 1-phase Surge Arresters and associated structures
- Install one (1) 3000A 230 kV Gas Circuit Breaker
- Install one (1) motor-operated 3000A Disconnect Switch and associated structure
- Install four (4) 1-phase Relaying CCVTs and associated structures
- Install two (2) 230 kV 3000A Disconnect Switches
- Install two (2) 230 kV Low Switch Structures
- Install four (4) 3-phase 230 kV High Bus Support Structures
- Install one (1) 3-phase 230 kV Low Bus Support Structure
- Install four (4) 1-phase 230 kV High Bus Support Structures
- Install two (2) 1-phase 230 kV Low Bus Support Structures
- Install seven-hundred and twenty-five (725) feet of integral web conductor bus (IWBC)
- Scope and estimate include all associated foundations, jumpers, connectors, control cable,
   ADSS fiber, conduit, grounding, insulators, etc.

#### **Protection and Controls**

### Existing Transformer #1 Protection scheme

Retain and reuse existing transformer protection scheme. Add new position 230kV Breakers 1453 and 1454 status, trip and CT connections and remove existing position 230kV Breakers 1451 and 1476 status, trip and CT connections

- Transformer Diff. No. 1 (75T1TD1) SEL-587
- Transformer Diff. No. 2 (75T1TD2) SEL-387
- Add new Transformer #1 Control Relay (TR1 CTRL) SEL-351S
- Add new Transformer #1 Beckwith 2001C LTC
- Add new Auto-Transformer Paralleling equipment AuxCT, Beckwith, Incon
- Add new 230kV MOS to match Transformer #3

### Existing 230kV Bus #4 Protection Scheme

Retain and reuse existing bus protection scheme to protect 230kV Bus #6.

- 230kV Bus #4 Diff. 1 (7B4BD1) SEL-487B
- 230kV Bus #4 Diff. 2 (7B4BD2) GE-B90

### Existing 230kV Bus #1 Protection Scheme

Retain and reuse existing bus protection relays but remove 230kV Breakers 1451 and 1918 status, trip and CT connections and add new 230kV Breakers 1919 and 1476 status, trip and CT connections.

- 230kV Bus #1 Diff. 1 (7B1BD-P1) GE-B90
- 230kV Bus #1 Diff. 2 (7B1BD-P2) SEL-487B (two relays; A/B Phase Relay and C phase Relay)

### Breaker Failure Ramifications of removing and adding BKRs to 230kV Bus #1

- Remove BKR 1451 and 1918 from Bus #1
  - o UN-wire BF trips from SEL-451 and BF LOR's from:
    - BKR 1454, 2846, 1916, 5123 and 6991



- Add BKR 1476 and 1919 into Bus #1
  - o Add BF trip wiring to SEL-451 and BF LOR's for:
    - BKR 1454, 2846, 1916, 5123 and 6991

### **Existing Dallas Line Protection Scheme**

Retain and reuse existing line protection scheme for new position but remove 230kV Breakers 1453 and 1454 status, trip and CT connections and to new position 230kV Breakers 1918 and 1919 status, trip and CT connections.

- Primary #1 Line Relay (LP1) SEL-311L (Line Diff via JMUX)
- Primary #2 Line Relay (LP2) SEL-411L (Line Diff via JMUX)

### Add new Breaker 1919 Protection Scheme

Add new breaker protection relays for new breaker position

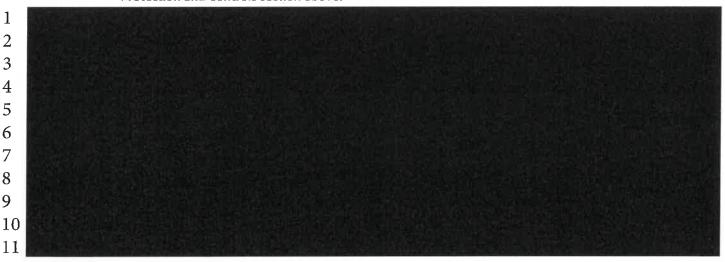
- BKR Control Relay SEL-351S
- BKR Failure Relay SEL-451

### Telecommunications (within yard)

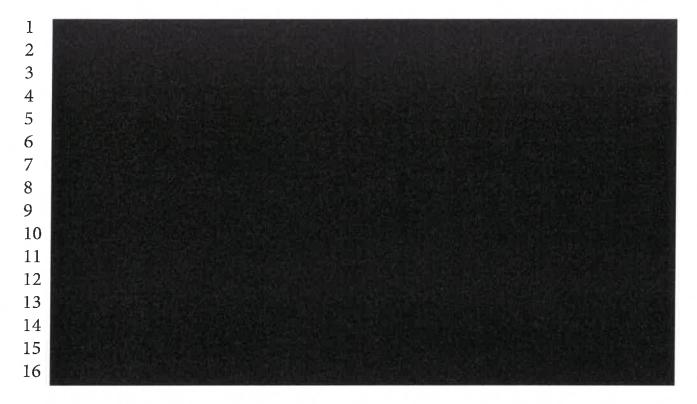
None Required

### **Relay Settings**

· Relay Settings to be added for new relays and modified for affected existing relays listed in the Protection and Controls section above.







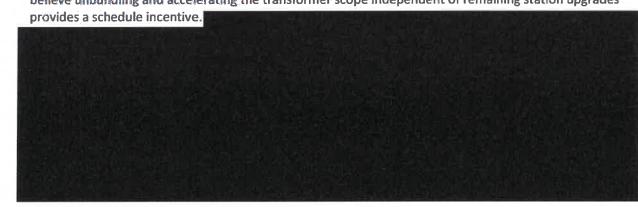


#### 5.2.9 Bronson Substation

DEF Transmission Planning identified Bronson substation as a potentially impacted facility due to the affected system study. The required upgrade includes installation of a second transformer at the existing Bronson substation.

### A. Scope of Work

At the time of this study, addition of a second transformer together with other station upgrades at Bronson substation as a part of DEF's Capital Project 30000787. Overall, the execution team does not believe unbundling and accelerating the transformer scope independent of remaining station upgrades





# 6.0 Gulf to FPL TSR Scope of Work

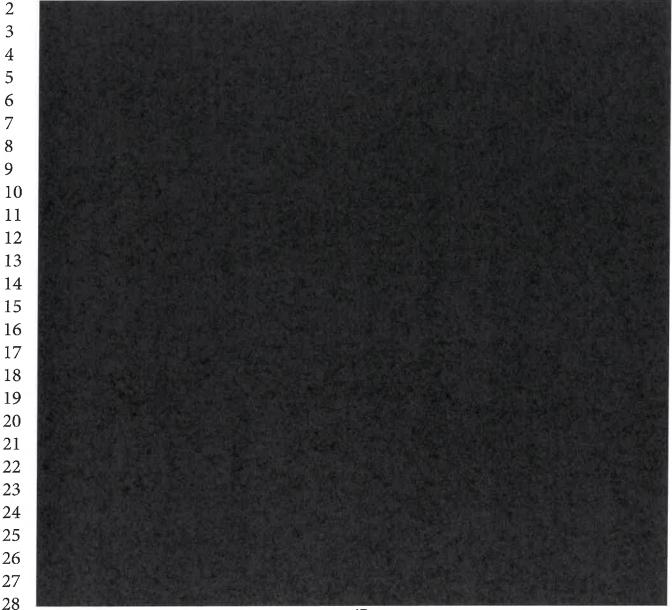
# 6.1 JQ-10 Line Segment

### **6.1.1** Transmission Line Work Scope

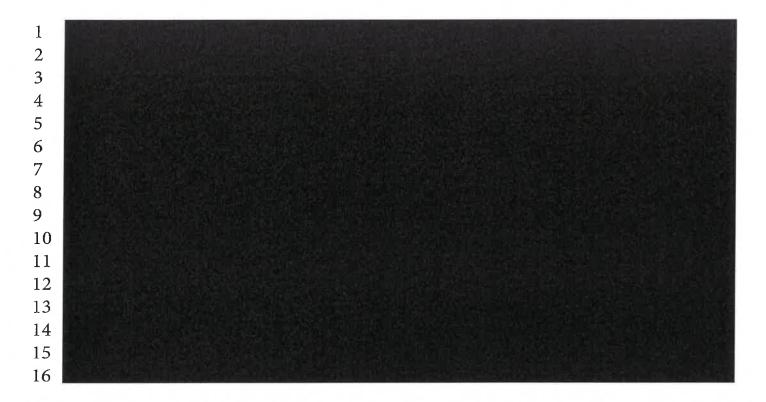
Install approximately 3.95-miles of new 115 kV transmission from JQ-498-5/8 Switch Structure to #6864 Killearn Tap, Route analysis details may be available upon request.

Install 27-structures.

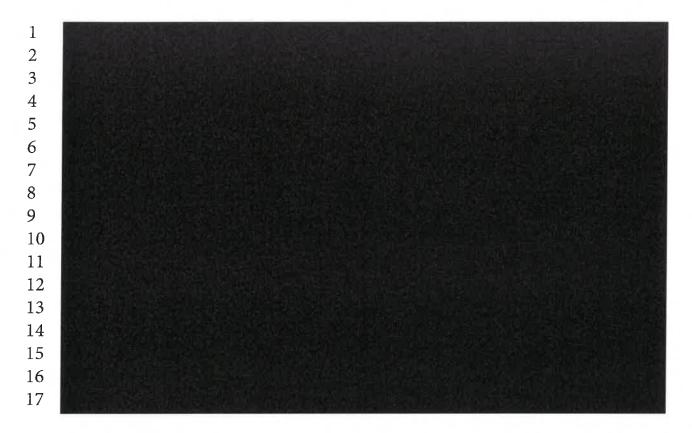
- Add approximately 20,856' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 20,856' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).













# 6.2 JQ-9 Line Segment

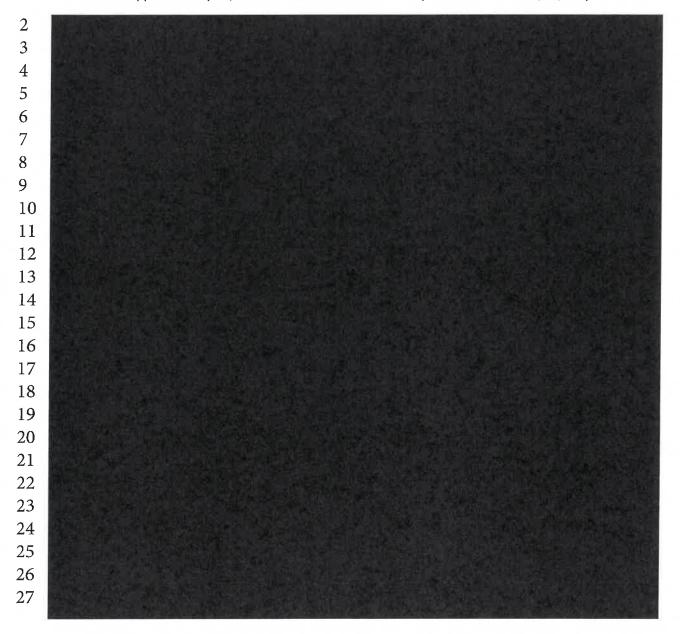
### **6.2.1** Transmission Line Work Scope

Install approximately 7.71-miles of new 115 kV transmission from JQ-439 Switch Structure to JQ-498-5/8 Switch Structure.

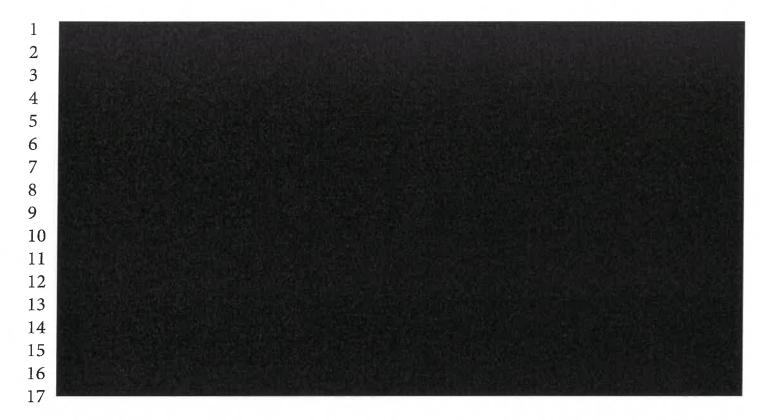
Route analysis details may be available upon request.

Install 53 structures.

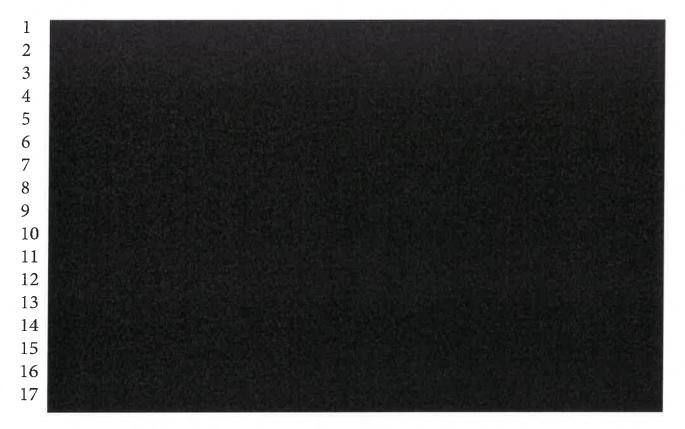
- Add approximately 40,709' of 1272 kcmil ACSS/TW "Pheasant" conductor per phase.
- Add approximately 40,709' of 1-144 count fiber OPGW (AFL HexaCore S1-71/52/630).





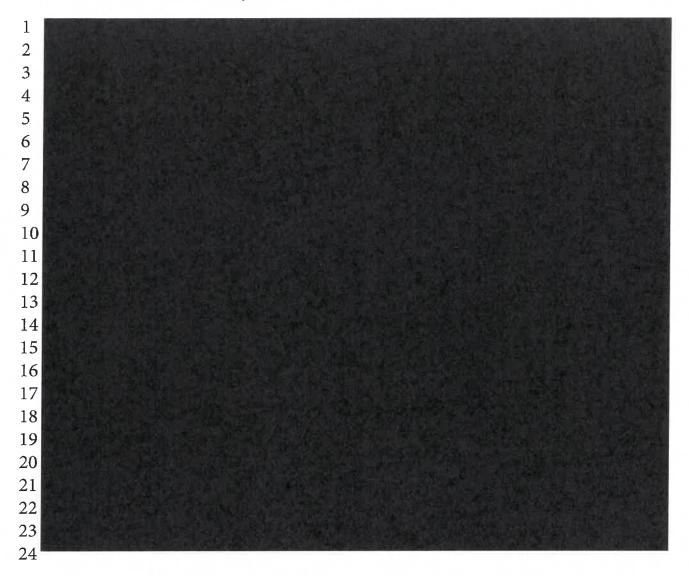








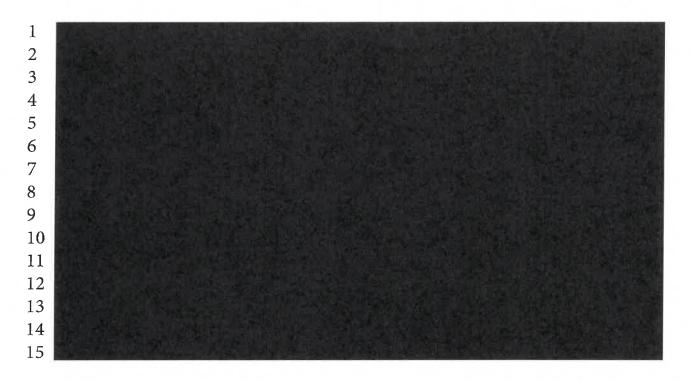
# **6.3 Powerline to Holder, Third Circuit**





# 6.3.1 Scope of Work

Install a third circuit from Powerline substation to Holder substation within the existing 500/230 kV corridor.





# **6.4 Perry Substation**

DEF Transmission Planning identified Perry substation as a potentially impacted facility due to the affected system study. The existing 230/69 kV Bank #4 transformer is undersized compared to the Bank #3 transformer and is expected to overload limiting the transfer capacity between the 230 kV and 69 kV switchyards. The existing 230/69 kV 60/80/100-112 MVA Autotransformer (Bank #4) is to be removed from service and a new 115/69 kV 120/160/200-224 MVA Autotransformer (Bank #6) is to be added to improve transfer capacity to the 69 kV switchyard.

### 6.4.1 Scope of Work

At the time of this study, replacement of the identified transformer at Perry substation together with other station upgrades are a part of an ongoing DEF's EPC Capital Project. See below for current project status, acceleration opportunities, and potential financial impact.





# 7.0 FPL to Gulf TSR Remote Ends Scope of Work

### 7.1 Williston North Substation

Williston North is a new substation with an in-service date of 2023. The station will be built to the latest DEF standards and will not require additional upgrades to accommodate the FO line rebuild. Due to the lack of upgrades, there is no cost or schedule impacts associated with this remote end substation



### 7.2 Martin West Substation

### 7.2.1 Scope of Work

- The existing line protection scheme is to be retained. Upgrade substation equipment to 3000A to accommodate the new line ampacity.
- Upgrade the existing Transformer No. 1 protection scheme (GE BDD) to the latest TTPC protection scheme and the existing high side bus differential to the latest BPD2 protection scheme. An alternative approach is to utilize one of the relays for transformer protection as an overall differential (OAD). With an OAD only one (1) SEL-487B relay is required to provide redundant bus protection for 230kV Bus No. 1.
- The relay setting calculations will need to be revisited. Based on the new setting calculation the setting files may need to be updated.
- Two (2) 48 fiber ADSS to be installed from the Dead-end to CEE. The house is already equipped with a patch panel and an ICON.

### 7.2.2 Major Equipment

### **Substation Physical**

- Upgrade Archer and Silver Springs North (SECI) 230 kV Line Drops to twin 1750 AAC
  - O Upgrade approximately 80 ft of existing 3" AL Tube Bus to 3000A bus
  - Upgrade 1590 kcmil ACSR with twin 1750 kcmil AAC conductor
- Required to upgrade station to 3000A:
  - o Upgrade existing 2000A switches (SW# 2792, 2793, 2794, 2780, 2787) to 3000A
  - Upgrade three (3) 2000 A Circuit Breakers (SW# 2792, 2793, & 2787) to 3000 A
- Upgrade all associated jumpers, cable conduit, grounding, etc.

#### **Protection and Controls**

- Add one (1) TTPC Protection scheme (2 Panels)
  - Add one (1) SEL-487E
  - Add one (1) SEL-387E
  - Add one (1) SEL-351S
- Add one (1) BPD2 Protection scheme (2 Panels)
  - Add two (2) SEL-487B
- Utilize Existing SEL-421 for LP1 (ICON with DF being added in the future)
- Utilize Existing SEL-411L for LP2 (ICON with DF being added in the future)
- Utilize Existing SEL-351S for Breaker Control
- Utilize Existing SEL-351S for Breaker Failure

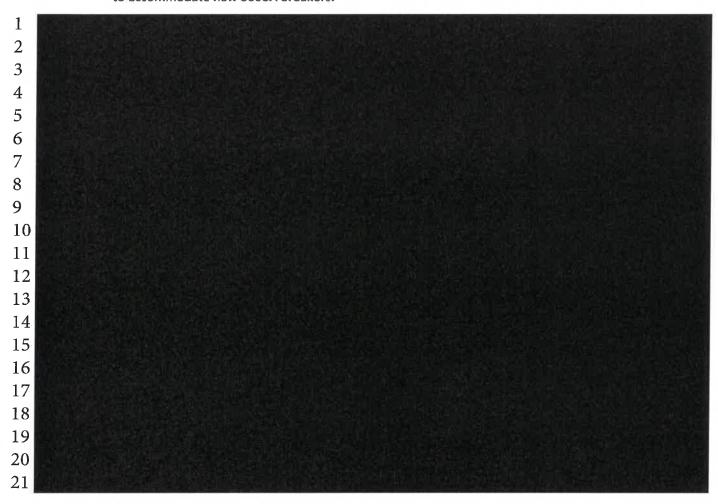


# Telecommunications (within yard)

Not Required

### **Relay Settings**

Breaker control and failure, overcurrent, and line relay settings may require reconfiguration to accommodate new 3000A breakers.





# 7.3 Silver Springs North (SECI) Substation

# 7.3.1 Scope of Work

Silver Springs North is owned and operated by SECI; therefore, any impacts are considered third
party upgrades and are not included in this study. Impacts need to be determined under a
separate S.E.C.I affected system study coordinated between FPL/Gulf and SECI during detailed
design.



# 7.4 Sonnie Tap

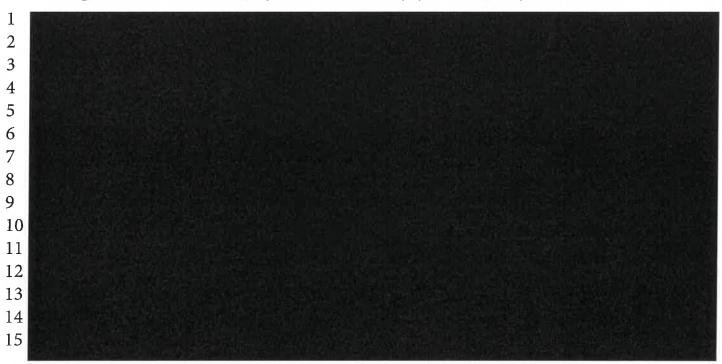
### 7.4.1 Scope of Work

To accommodate a continuous current of 2000A, the three-way GOAB mounted on structure JQ-137 will need to be upgraded. DEF transmission line is responsible for tap GOAB switches. The existing three-way switch is manually operated, this study assumes in kind replacement. Cost and schedule associated with the switch replacement are accounted for in the line sections.

• Due to outage constraints, a temporary transmission line bypass will be required. Cost associated with the bypass is reflected in the table below.

## 7.4.2 Major Equipment

There is no Substation Physical, Protection and Controls, Telecommunications (within yard), or Relay Settings associated with the in-kind replacement of a manually operated three-way line switch.





# 7.5 West Lake Substation

- To accommodate the JQ line ampacity increase, the 115 kV equipment within West Lake Substation will not require any upgrades.
- Future Insights (not quantified in the cost estimate or schedule provided with this study): To accommodate a future 115 KV line loop, West Lake requires significant bus re-work as well as substation and fence expansion.



# 7.6 Aucilla Tap

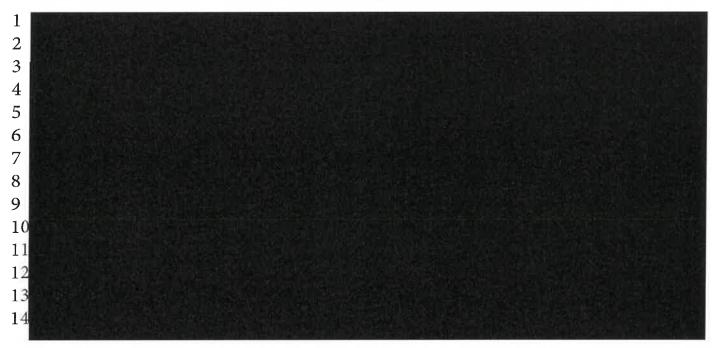
# 7.6.1 Scope of Work

To accommodate a continuous current of 2000A, the three-way GOAB mounted on structure JQ-326 will need to be upgraded. DEF transmission line is responsible for tap GOAB switches. The existing three-way switch is manually operated, this study assumes in kind replacement. Cost and schedule associated with the switch replacement are accounted for in the line sections.

1 2 3

### 7.6.2 Major Equipment

There is no Substation Physical, Protection and Controls, Telecommunications (within yard), or Relay Settings associated with the in-kind replacement of a manually operated three-way line switch.





# 7.7 Greenville Switching Station

### 7.7.1 Scope of Work

- To accommodate the JQ line ampacity increase, the 115 kV equipment within Greenville
  Substation will need to be upgraded to 2000A. A standard control cabinet with associated
  foundation, conduit, and relays will need to be installed, as well as a new fiber splice box with
  associated ADSS fiber to the control cabinet. Additionally, structures within the yard will need to
  be replaced to accommodate new cable tension.
- Due to outage constraints, a temporary transmission line bypass will be required. The temporary structures and easements associated with the bypass will be located on parcels adjacent to DEF owned land and will require either land acquisition or negotiation with landowners.
- Future Insights (not quantified in the cost estimate or schedule provided with this study): To
  accommodate a future 115 kV JQ line loop, Greenville will need to be converted from a three
  way strain bus switching station into a minimum of five position ring bus. Note that the
  surrounding parcel is owned by Tri-County Electric Co-Op, therefore any fence expansion is
  expected to require coordination with third-party entities.

### 7.7.2 Major Equipment

### **Transmission Line Bypass**

- Install approximately 6 temporary 3-pole dead-end structures
- Add approximately 1,300 ft of 1-795 kcmil ACSR "Drake" conductor per phase
- Add approximately 2,600 ft of 3/8" steel OHGW.

#### **Substation Physical**

- Install four (4) DEF standard strain bus deadend structures
- Install approximately 300 ft of twin 795 AAC strain bus
- Install three (3) 2000A Motor Operated line disconnects
- Install required relaying and metering equipment
- Install three (3) sets of three phase surge arresters
- Replace Relay cabinets
- Remove four (4) lattice deadend structures and line switches
- Remove approximately 300 ft of 4/0 CU strain bus
- Install ADSS, Splice Box, Cable, Conduit, Grounding, Jumpers, as required

#### **Protection and Controls**

Upgrade existing Motor Operator controls

# Telecommunications (within yard)

Install one (1) Cisco CGR Manual Router

### Relay Settings

Settings files to be reviewed during detailed design







#### 7.8 Hamilton Switching Station

#### 7.8.1 Scope of Work

To accommodate the JQ line ampacity increase, the 115 kV equipment within Hamilton Substation will not require any upgrades. However, a new fiber splice box and associated ADSS fiber will need to be installed.

#### 7.8.2 Major Equipment

#### **Substation Physical**

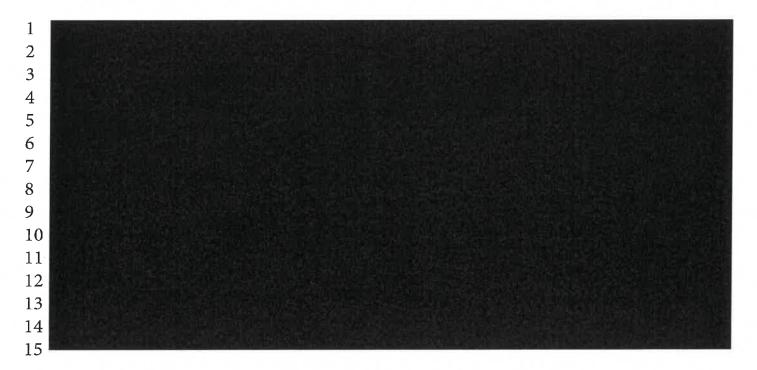
- Install one (1) fiber splice box and associated ADSS to existing Control Cabinet
- Install new conduit, grounding as required.

#### **Protection and Controls**

Not Required, utilize existing motor operator controls.

#### **Relay Settings**

Not Required, utilize existing SCADA.





#### 7.9 Hanson Switching Station

#### 7.9.1 Scope of Work

• To accommodate a continuous current of 2000A, Hanson switching station requires miscellaneous 115 kV equipment upgrades.

#### 7.9.2 Major Equipment

#### **Substation Physical**

- Upgrade two (2) disconnect switches to 2000A SW# 1803 N&S
- Install one (1) new Fiber Splice junction box on deadend
- Install ADSS, conduit, grounding as required from deadend to CEE

#### **Protection and Controls**

- Utilize Existing SEL-311L (ICON) for LP1
- Utilize Existing SEL-411L (ICON) for LP2
- Utilize Existing SEL-351S for Breaker Control
- Utilize Existing SEL-351S for Breaker Failure

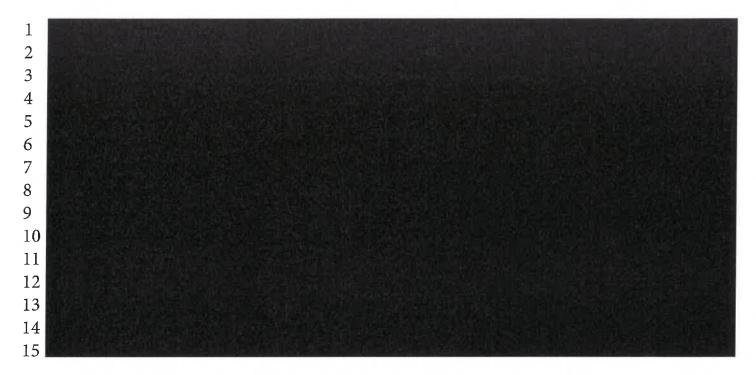
#### Telecommunications (within yard)

Utilize existing fiber patch panel and ICON.

#### **Relay Settings**

• Settings files to be reviewed during detailed design.







#### 8.0 Gulf to FPL TSR Remote Ends Scope of Work

#### 8.1 Baker Tap

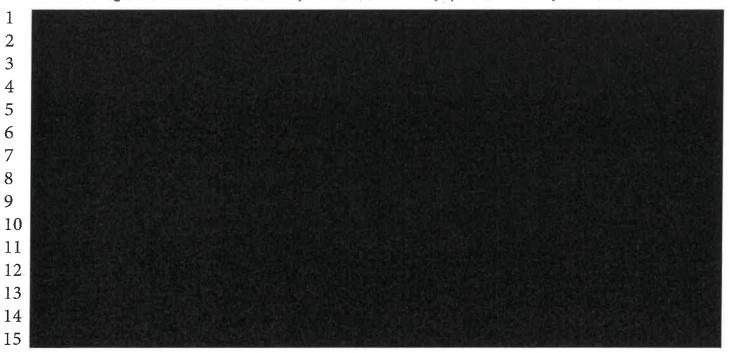
#### 8.1.1 Scope of Work

To accommodate a continuous current of 2000A, the three-way GOAB mounted on structure JQ-489 5/8 will need to be upgraded. The existing three-way switch is manually operated, this study assumes in kind replacement. Cost and schedule associated with the switch replacement are accounted for in the line sections. The

 Due to outage constraints, a temporary transmission line bypass will be required. Cost associated with the bypass is reflected in the table below.

#### 8.1.2 Major Equipment

There is no Substation Physical, Protection and Controls, Telecommunications (within yard), or Relay Settings associated with the in-kind replacement of a manually operated three-way line switch.





#### 8.2 Killearn Tap

#### 8.2.1 Scope of Work

To accommodate a continuous current of 2000A, the three-way GOAB mounted on structure JQ-514 will need to be upgraded. DEF transmission line is responsible for tap GOAB switches. Two out of three of the JQ disconnects are motor operated. The existing third-party switch is manually operated, this study assumes in kind replacement. Cost and schedule associated with the switch replacement are accounted for in the line sections.

• Due to outage constraints, a temporary transmission line bypass will be required. Cost associated with the bypass is reflected in the table below.

#### 8.2.2 Major Equipment

#### **Substation Physical**

- Replace two (2) motor operators
- Install one (1) fiber splice box and associated ADSS to existing Control Cabinet
- Install new conduit, grounding as required.

#### **Protection and Controls**

Not Required, utilize existing motor operator controls.

#### **Relay Settings**

Not Required, utilize existing SCADA.





#### 8.3 Miccosukee Tap

#### 8.3.1 Scope of Work

To accommodate a continuous current of 2000A, the three-way GOAB mounted on structure JQ-439 will need to be upgraded. DEF transmission line is responsible for tap GOAB switches. Two out of three of the JQ disconnects are motor operated. The existing third-party switch is manually operated, this study assumes in kind replacement. Cost and schedule associated with the switch replacement are accounted for in the line sections.

 Due to outage constraints, a temporary transmission line bypass will be required. Cost associated with the bypass is reflected in the table below.

#### 8.3.2 Major Equipment

#### **Substation Physical**

- Replace two (2) motor operators
- Install one (1) fiber splice box and associated ADSS to existing Control Cabinet
- · Install new conduit, grounding as required.

#### **Protection and Controls**

Not Required, utilize existing motor operator controls.

#### Relay Settings

Not Required, utilize existing SCADA.





#### 9.0 Affected Systems Study Approval

Approval Signatures:

Phillip Thomas

General Manager, Engineering

Phillip R. Thomas

**Ed Scott** 

Director, Transmission Planning

EL ZIA

## APPENDIX A Metering Standard





**Duke Energy Florida** 

#### Transmission Interconnection/Generation/Revenue Metering

Created by: Joseph L. Stames, Meter Engineering and Support

Approved by: August 16, 2017

Revised: November 7, 2017

#### 1. SCOPE

- 1.1 This document refers to the Duke Energy Florida requirements for transmission level Interconnection/Generation/Revenue Metering between Duke Energy Florida and any interconnection and/or revenue based customer/utility being served at transmission voltage levels 69kV and above.
- 1.2 Sections 2 through 7 address the general interconnection requirements.

#### 2. LOCATION

2.1 When a Duke Energy Florida line terminal has been determined to be where interconnect metering is to be installed, there will be a meter package with primary and backup meters. Typically the meter package shall be installed in a substation control house panel.

#### 3. CURRENT INPUT TO METERING

- 3.1 Primary Metering CTs
- 3.1.1 Primary Metering CTs shall be high accuracy extended range (HAER) current transformers with a ratio which will include the continuous rating of the connected devices at the highest emergency rating of the associated element.
- 3.1.2 Minimum accuracy class: 0.15 @ Burden 1.8
- 3.1.3 Accuracy Range: \*\*1% 200% of rated ratio (20 4000 amperes using a 2000:5 ratio with a rating factor = 2.0 as an example). CTs with 5% 200% of rated ratio is also acceptable.
- 3.2 No burden other than the meter shall be connected in the metering CT circuits.

#### 3.3 CT ratio

- 3.3.1 CT ratio shall be either 1000:5 or 2000:5 depending on the limiting element factor. The ratio shall be as small as possible to provide the required accuracy at low loads.
- 3.3.2 CT ratio should also be large enough that the secondary current is less than the continuous rating of the connected devices at the highest emergency rating of the associated element.
- 3.3.3 The thermal rating factor shall be 2.0 at 30 degrees C. The thermal rating shall be selected such that the selected CT ratio's secondary current is not exceeded at the limiting element's emergency rating, with margin.
- 3.3.4 Engineering shall require the manufacturers to provide test data for metering CTs, and shall forward this data to Metering Services.

#### 4. VOLTAGE INPUT TO METERING

- 4.1 A PT or CCVT with three (3) secondary windings is required for the primary and backup interconnection metering. The accuracy class for the "X" & "Y" winding of the voltage source shall be 0.3% or better at WXY & Z burden. The accuracy class for the "Z" winding shall be 1.2% or better at WXY & Z burden.
- 4.2 The primary and backup meters shall be connected to the 120 volt windings.
- 4.3 Engineering shall require the manufacturers to provide test data for metering PTs or CCVTs, and shall forward this data to Meter Operations.
- 4.4 Primary Metering
  - 4.4.1 The "X" secondary winding of the voltage source shall be dedicated for the primary metering.
  - 4.4.2 No burden other than the meter shall be connected in this metering secondary PT circuit.

#### 5. METER

- 5.1 The Florida Meter Department shall provide and maintain the primary and backup meters.
- 5.2 A four-quadrant, bi-directional, three element revenue class meter shall be used for the primary and backup meter. The meter shall be capable of producing the following outputs:
  - a. Kwh (Delivered/Received)
  - b. Kvarh (Delivered/Received)
  - c. Instantaneous three phase watts
  - d. Instantaneous three phase vars
  - e. Instantaneous single phase volts
  - f. Instantaneous single phase amps
- 5.3 The meter shall be provided with Ethernet and RS-232/485 communication ports and shall support DNP-3.0 protocol.
- 5.4 The meter shall have the capability of connecting to the station service auxiliary 120 volt AC power source .

#### 6. METER OUTPUT

- 6.1 Primary and Backup Metering
  - 6.1.1 The Primary and Backup meters outputs shall be connected to the Substation RTU via the Ethernet communication port.

#### 7. METER INSTALLATION PACKAGE

- 7.1 Control House Panel (See Figure 1)
- 7.1.1 Kemco Plate (RU JEM-1)
- 7.1.2 2 JEMSTAR II switchboard meters with case Primary/Backup (Supplied by Meter Department)
- 7.1.3 2 FT-1 Flexi 10 pole test switch (current/voltage) (Substation supplied)
- 7.1.4 1 FT-1 Flexi 10 pole Test switch (voltage only) (Substation supplied)
- 7.1.5 1-3 position selector switch (Substation supplied)
- 7.1.6 If the meter is located on the distribution side (25 KV and below) of the power transformer, the CTs and PTs will be supplied by the Meter Department.
- 7.2 Substation yard Meter Cabinet (See Figure 2)
- 7.2.1 1 40x40x15 Aluminum Meter Cabinet
  - 7.2.1.1 All Meters and components inside the meter cabinet is supplied by the Meter Department (including the 40x40x15 cabinet)
  - 7.2.2.1 If the meter is located on the distribution side (25 KV and below) of the power transformer, the CTs and PTs will be supplied by the Meter Department.

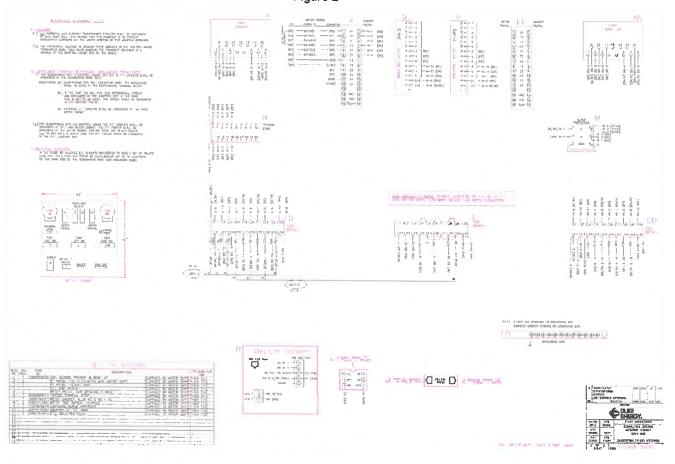
Engr. Doc: Transmission Interconnection-Generation Metering Date: August 16, 2017

Figure 1



Page 5 of 6

Engr. Doc: Transmission Interconnection-Generation Metering Date: August 16, 2017
Figure 2



FPL 068638 20210015-EI

# APPENDIX B Real Estate Standard





#### CONTRACT FOR SALE AND PURCHASE OF REAL ESTATE

THIS CONTRACT is made by and between , whose mailing address is (herein called "SELLER") and **DUKE ENERGY FLORIDA, LLC d/b/a DUKE ENERGY**, a Florida limited liability company, with its principal place of business at 299 First Avenue North, St. Petersburg, Florida 33701 (herein called "PURCHASER"). When used herein, the term "Effective Date" shall mean the date this Contract is last executed by and DUKE ENERGY.

#### WITNESSETH

That SELLER, for and in consideration of the sum of \_\_\_\_\_ (\$ ) DOLLARS, as earnest money (the "Earnest Deposit", which term shall include any accrued interest) and as part payment to SELLER, has contracted and agreed to sell to the PURCHASER, the following described real estate situated in the County of , State of Florida, to wit:

#### {insert legal description}

The parties hereto agree to sell and to purchase the above described real estate (the "Property") subject to and upon the following terms and conditions:

1. PURCHASE PRICE: Total purchase price shall be \$\_\_\_\_\_, paid as follows:

EARNEST DEPOSIT, as acknowledged above BALANCE AT CLOSING

This Contract is being entered into in lieu of condemnation and it does not reflect market value.

- 2. ESCROW AGENT: An escrow agent of SELLER/PURCHASER's choice shall hold said payment in trust until closing of this transaction. Said Earnest Deposit payment will be paid to the escrow agent within 15 business days of the Effective Date.
- 3. TITLE INSURANCE: Within fifteen (15) days of the Effective Date, SELLER shall purchase and deliver to PURCHASER a commitment for title insurance on the Property in the amount of the total purchase price. If the title commitment shall disclose any defect or limitation on title other than easements and restrictions of record acceptable to PURCHASER, PURCHASER shall give notice to SELLER. SELLER shall have thirty (30) days after such notice of such defect or limitation to remedy the title in a manner satisfactory to PURCHASER. If such defect or defects are not corrected to PURCHASER's satisfaction so that there is merchantable title, then PURCHASER shall have the option to terminate this Contract by notifying SELLER and have the Earnest Deposit immediately refunded to it, whereupon the Parties hereto shall be relieved from all obligations hereunder.
- 4. CLOSING DATE: Provided all contingencies set forth herein have been met, satisfied or waived by PURCHASER, and unless this Contract is sooner terminated or otherwise extended as permitted herein, it is agreed that this transaction shall be closed and PURCHASER shall pay the balance within thirty/sixty (30/60) days from the date that PURCHASER completes its Inspection pursuant to paragraph 10 (the "Closing Date").

- 5. CLOSING DOCUMENTS: At closing, SELLER shall execute a general warranty deed in recordable form conveying good and marketable fee simple title to the Property free and clear of all liens, encumbrances, restrictions and conditions as herein provided or otherwise acceptable to PURCHASER, except taxes for the year of closing. The parties shall also execute and deliver any other documents reasonably necessary to complete this transaction. Upon closing, PURCHASER shall be furnished an owner's title insurance policy in the amount of the purchase price. Possession will be given as of the date of closing and a proration made as of the date of closing on the taxes for the year of closing.
- 6. DEFAULT: In event of default by the PURCHASER of any of its obligations hereunder, SELLER shall have the right to terminate this contract and the PURCHASER shall forfeit said Earnest Deposit and the same shall be retained by the SELLER as the agreed upon liquidated damages as SELLER's sole and exclusive remedy for such default.
- 7. CONTINGENCIES: This Contract is contingent upon PURCHASER obtaining proper authorization from the applicable public agencies for utilization of the Property for PURCHASER's intended use. Failure to obtain such proper authorization and conditions acceptable to PURCHASER shall give PURCHASER the right in its discretion to either extend the Closing Date or declare this Contract terminated and the Earnest Deposit paid hereunder shall be promptly refunded to PURCHASER.
- 8. WARRANTIES: SELLER warrants and represents that (i) it is the sole and legal owner of the Property, (ii) that it has the legal authority to convey the Property, (iii) that SELLER has undisputed possession of the Property and that, to its knowledge and belief, there is no other person or entity in possession or who has any possessory right in the Property or right of use or right to access for ingress or egress, (iv) that no litigation or governmental proceeding is pending, or threatened against, or involves the Property or SELLER, which might adversely affect the Property and/or the ability of SELLER to perform its obligations under this Contract, (v) unless otherwise noted, the Property or any portion thereof is not a designated wetland area and does not meet the criteria for wetland designation, and is not located in a flood plain or flood insurance area; and (vi) SELLER knows of no defects in the fee simple title to the Property. SELLER further warrants and represents it has no actual knowledge or suspicion as to any hazardous substances (as defined by any federal, state, or local statute, law, ordinance, code, rule, regulation, order or decree) present on the Property; that there has been no production, placement, disposal, storage, release or discharge on or from the Property of any hazardous substances, and there are no buried, partially buried, or above-ground tanks, storage vessels, drums, or containers or any other buried debris located on the Property. Unless otherwise noted, there is no known environmental claim or regulatory non-compliance associated with the Property. SELLER agrees to cooperate and assist PURCHASER in connection with any site investigation, zoning or land use change or governmental review and approval process.
- 9. SURVEY: The Property described shall be surveyed at PURCHASER's expense, and the description obtained from said survey shall be utilized in the deed of conveyance. A copy of the survey shall be provided by PURCHASER to the closing agent and title company.
- 10. DUE DILIGENCE: At any time prior to the expiration of a period of thirty/sixty/ninety (30/60/90) days following the Effective Date (the "Inspection Period"), PURCHASER and its agents shall have the right and privilege to enter upon the Property, at their own risk and expense, to inspect, examine, survey and perform such tests, inspections, studies or other evaluations of the Property as PURCHASER may deem necessary (the "Inspection") including wetland delineations, habitat evaluations, threatened and endangered plant and animal species surveys, site planning, engineering surveys, land use reviews, cultural resource assessments and other feasibility studies at the discretion of PURCHASER. PURCHASER may consult with any governmental agencies having jurisdiction over approvals or permits relating to the Property including, but not limited to, the Florida Department of Environmental Protection and US

Army Corps of Engineers. PURCHASER shall have the right, which may be exercised by delivering written notice to SELLER at any time during the Inspection Period, to terminate this Contract for any reason that PURCHASER deems appropriate in its sole discretion. Upon delivery of written notice of termination to SELLER during the Inspection Period, this Contract shall terminate, the parties hereto will have no further rights or obligations hereunder, and PURCHASER shall be entitled to receive return of the Escrow Deposit from the escrow agent. If the Inspection reveals that the Property has environmental contamination, SELLER shall have thirty/sixty/ninety (30/60/90) days after written notice of such contamination to either clean up the contamination or obtain an assessment of the cost and the estimated time to clean up the contamination and deposit a sum equal to that cost in a trust. Should the estimated time for clean up extend beyond the Closing Date or if the SELLER chooses not to clean up or deposit the cost to cleanup, PURCHASER shall have the option to terminate this Contract and receive a prompt refund of the Earnest Deposit and the Parties shall be relieved from all obligations under the Contract. In connection with PURCHASER's Inspection of the Property, SELLER shall deliver to PURCHASER, within thirty/sixty/ninety (30/60/90) days after the Effective Date, copies of the following information and/or documentation about the Property (collective the "Due Diligence Materials") that are in SELLER's possession or control, if any: (i) all surveys, environmental studies, engineering studies, archeological reports, leases and contracts; (ii) wetland delineation reports or determinations from any applicable regulatory agency; (iii) documentation indicating the presence, existence or location of any flood plains on all or a portion of the Property; (iv) reports indicating that the Property contains species of plant or animal life which is on a federal, state or local list of protected or endangered species; and (v) all active environmental regulatory permits, plans or approvals (i.e., ERP, or operational storm water permits, as-built drawings, agreements for use, air permits, Army Corps of Engineers Permits, etc.). PURCHASER may extend the Inspection Period by thirty/sixty/ninety (30/60/90) days ("Inspection Period Extension") by notifying SELLER prior to the expiration of the Inspection Period if necessary to secure the approvals or permits required for PURCHASER's intended

11. CLOSING COSTS: The items of the expense hereinafter set forth, designated by the letter "P" immediately following, shall be paid by PURCHASER; the items of expense hereinafter set forth designated by the letter "S" immediately following shall be paid by SELLER; items hereinafter set forth, which are unmarked, shall be borne equally by the Parties unless otherwise indicated.

Preparation of Deed	S	Cost of Preparation of:	
Revenue Stamps on Deed	S	Contract for Sale	P
Title Insurance	S	Recording of Deed	P
Settlement/Closing Fee	S		

12. NOTICE: Any notice to PURCHASER or SELLER hereunder shall be sent to the address set forth below, in each case by (a) hand delivery, (b) registered or certified mail, return receipt requested, (c) by overnight delivery or next day courier service, or (d) facsimile transmittal prior to 5:00 p.m. eastern time on a regular business day, with written confirmation of completed transmission. Notice shall be deemed effective upon delivery.

#### If to SELLER:

#### If to PURCHASER:

Bruce C. Crawford, Esquire Crawford & Owen, P.A. 10901 Danka Circle, Suite B St. Petersburg, FL 33716 Tel: (727) 573-1219 Fax: (727) 540-0470

- 13. MISCELLANEOUS: This Contract may not be assigned by SELLER or PURCHASER. Time is an essential part of this Contract, and all covenants and agreements herein contained shall extend to and be obligatory upon the successors and assigns of the respective Parties. Whenever periods of time are specified herein in days, calendar days are intended. When the day, or the last day fixed by or under this Contract for taking any action falls on Saturday, Sunday, or a legal holiday observed within the State of Florida, the action may be taken on or the timeline extended to the next succeeding business day which is not a Saturday, Sunday, or a legal holiday. All of the terms and conditions stated herein shall be construed under and governed by the laws of the State of Florida.
- 14. RADON GAS: (If applicable.) Radon is a naturally occurring radioactive gas that, when it has accumulated in a building in sufficient quantities, may present health risks to persons who are exposed to it over time. Levels of radon that exceed federal and state guidelines have been found in buildings in Florida. Additional information regarding radon and radon testing may be obtained from your county public health unit. (Pursuant to §404.056(8), Florida Statutes.) Any knowledge of levels of radon that exceed federal and state guidelines should be disclosed and documentation of testing and levels submitted prior to closing.
- 15. OTHER AGREEMENTS: No other prior or present agreements or representations shall be binding upon any of the Parties hereto unless incorporated in this Contract. No modification or change in this Contract shall be valid or binding upon the Parties unless in writing, executed by the Parties to be bound thereby.

IN WITNESS WHEREOF, the parties have caused this Contract to be executed on the date appearing together with their signatures below.

SELLER (S):	PURCHASER:
Name: Title:	Kris Tietig Manager Land Services Florida
Date:	Date:
Name: Title:	
Date:	

### **APPENDIX C**

**Easement Transmission Facility Document** 



{insert Owner Name, Item #}
{insert project name}
Thor #: Oracle #:
Site #: Land Unit:

Project #:



Prepared By: Bruce C Crawford, Esq Crawford & Owen, P A 10901 Danka Circle, Suite C Saint Petersburg, Florida 33716

#### **EASEMENT**

KNOW ALL MEN BY THESE PRESENTS, the undersigned, successors, and assigns (GRANTOR herein), in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, grant and convey to **DUKE ENERGY FLORIDA, LLC**, a Florida limited liability company d/b/a **DUKE ENERGY** (GRANTEE herein), Post Office Box 14042, St. Petersburg, Florida 33733, its successors, assigns, lessees, licensees, transferees, permittees, and apportionees, the right, privilege and easement to construct, remove, reconstruct, operate, and maintain in perpetuity overhead and/or underground electric transmission and distribution lines, communication systems and related facilities for providing electric energy services, and communications services (including services to telecommunication providers and other customers) and the transmission of any and all present or future form of communication by any present or future means or method (including, with respect to all grants herein, supporting structures, communication and other wires, fiber optics, guys, anchors, attachments and accessories desirable in connection therewith) all of which may be installed or constructed over, under, upon, across, through and within the following described lands in

County, Florida, and referred to hereinafter as the Easement Area to wit:

See Exhibit "A", attached hereto, incorporated herein, and by this reference made a part hereof.

Tax Parcel Number:

Together with the right to construct, install, operate, utilize, patrol, inspect, alter, improve, repair, rebuild, relocate or remove such lines, systems and supporting structures (including poles) and related facilities, including the right to increase or decrease the number and type of supporting structures (including poles), wires and voltage, adjust the centerline within the Easement Area and to build, maintain and protect such roadways as may reasonably be required for these purposes.

GRANTEE shall have all other rights and privileges reasonably necessary or convenient for the safe and efficient operation and maintenance of said electric transmission and distribution lines, communication systems and related facilities, including (i) the right to trim, cut, remove, and keep clear trees, limbs and undergrowth within said Easement Area and the right to cut down at any time and from time to time, in GRANTEE's sole discretion, any tree standing outside the Easement Area which if felled, or upon falling, could fall within five (5) feet of any conductor or other facility included within said Easement Area, and further including (ii) the reasonable right to enter upon adjoining lands of the GRANTOR by such route or routes, including private roads and ways then existing thereon, on foot or by conveyance, with materials, supplies, and equipment as may be desirable for the purpose of exercising all rights herein granted and further including (iii) the right to install gates a minimum of sixteen (16) feet in width if GRANTOR has installed a fence within or across the Easement Area, along with GRANTEE's lock linked with GRANTOR's lock and further including (iv) the right to relocate any listed or protected plant or animal species found within the Easement Area to another location within the Easement Area. As a result of said relocations, GRANTEE hereby agrees to restore the Easement Area to as near as practicable to the original condition.

GRANTOR covenants and agrees that no trees, buildings, structures, ponds, or obstacles will be located or constructed within the Easement Area nor shall ground elevation be altered more than two (2) feet.

GRANTOR shall have all other rights in and to said Easement Area not inconsistent with (i) GRANTEE's right to the safe and efficient operation and maintenance of said electric transmission and distribution lines, communications systems and related facilities, including clear, continuous access within the Easement Area, (ii) GRANTEE'S right-of-way utilization or encroachment guidelines, or (iii) any federal, state, or local laws, rules, or regulations; including, but not limited to, the right to

utilize said Easement Area for (a) ingress and egress, (b) general farming, (c) construction, maintenance and travel over roads and streets across the Easement Area.

PROVIDED, HOWEVER, that as a condition precedent to the exercise of any such right other than ingress and egress, GRANTOR covenants and agrees to obtain from GRANTEE ((800) 700-8744, <a href="www.prgnprojectsolutions.com">www.prgnprojectsolutions.com</a>, or P.O. Box 14042, St. Petersburg, Florida 33733, Attention: Asset Protection Right-of-Way Specialist) a prior written determination that the exercise of such right is not inconsistent with the safe and efficient operation and maintenance of said electric transmission and distribution lines and communications systems or with any of the foregoing guidelines or laws.

GRANTOR warrants and covenants that they have the right to convey to GRANTEE this easement, and that GRANTEE shall have quiet and peaceful possession, use and enjoyment of same.

All covenants, terms, provisions and conditions herein contained shall inure and extend to and be obligatory upon the successors, lessees and assigns of the respective parties hereto.

ounto affixed its hand and se	eal this day of
GRANTOR:	
{insert Name of Con	rporation}
President	
Print or Type Name	
Grantor's mailing add	ress:
CORPORATE SEAL	
day of	President and its Secretary.
, a,	(State) Corporation, on behalf
roduced	as identification.
ry Public	
	GRANTOR: {insert Name of Continue   Print or Type Name  Grantor's mailing adds  CORPORATE SEAL  day of, its

# APPENDIX D Easement Supplemental Rights Document



{insert Owner Name, Item #}
{insert project name}
Thor #: Oracle #:
Site #: Land Unit:

Project #:



Prepared By: Bruce C Crawford, Esq Crawford & Owen, P A 10901 Danka Circle, Suite C Saint Petersburg, Florida 33716

#### SUPPLEMENTAL EASEMENT

#### WITNESSETH:

WHEREAS, pursuant to that instrument dated and recorded in {insert Book Type} Book , at Page , of the Public Records of County, Florida (the "Original Easement"), **DUKE ENERGY FLORIDA, LLC, d/b/a DUKE ENERGY**, as successor in title to {insert correct entity as stated on original easement: Florida Public Service Company or FL Power Corp or Progress Energy}, was granted an easement for the transmission and distribution of electricity across certain property described therein, which property includes the lands in County, Florida, identified by Tax Parcel Number , and more particularly described in **Exhibit "A"** attached hereto and incorporated herein by this reference (the "Easement Area"); and

WHEREAS, the GRANTOR now owns and has title to the Easement Area; and

WHEREAS, the GRANTEE is in the process of {describe activity within R/W}, (the "Additional Activity") and GRANTOR is willing to grant rights for such activity.

NOW, THEREFORE, the GRANTOR, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby grant and convey to GRANTEE and to its successors, lessees, transferees, permitees, apportionees, and assigns, the supplemental right, privilege and easement to construct, reconstruct, operate and maintain the Additional Activity together with one or more overhead and/or underground electric transmission lines, distribution lines, and communication systems and related facilities for providing electric energy services, and communications services (including services to telecommunication providers and other customers) and the transmission of any and all present or future form of communication by any present or future means or method (including, with respect to all grants herein, supporting structures, communication and other wires, fiber optics, guys, anchors, attachments and accessories desirable in connection therewith) all of which may be installed or constructed over, under, upon, across, through and within GRANTEE's existing Easement Area traversing property now owned by GRANTOR.

Together with the right to patrol, inspect, alter, improve, repair, rebuild, relocate or remove such lines and related facilities, including the right to increase or decrease the number and type of supporting structures, wires, and voltage, adjust the centerline within the Easement Area, and to build, maintain and protect such roadways as may be reasonably required for these purposes.

GRANTEE shall have all other rights and privileges reasonably necessary or convenient for the safe and efficient operation and maintenance of said electric transmission lines, distribution lines and communication systems and related facilities, including the right to trim, cut, remove, and keep clear trees, limbs and undergrowth within said Easement Area and the right to cut down at any time and from time to time, in GRANTEE's sole discretion, any tree standing outside the Easement Area which if felled, or upon falling, could fall within five (5) feet of any conductor or other facility included within said Easement Area, and further including the reasonable right to enter upon the adjoining lands owned by GRANTOR for the purpose of exercising the rights herein granted and further including the right to install gates a minimum of sixteen (16) feet in width if GRANTOR has installed a fence within or across the Easement Area, along with GRANTEE's lock linked with GRANTOR's lock.

GRANTOR covenants and agrees that no trees, buildings, structures or obstacles will be located or constructed within the Easement Area nor shall ground elevation be altered more than two (2) feet.

GRANTOR shall have all other rights in and to said Easement Area not inconsistent with (i) GRANTEE's right to the safe and efficient operation and maintenance of said electric transmission and distribution lines, communications systems and related facilities, including clear, continuous access within the Easement Area, (ii) GRANTEE'S right-of-way utilization or encroachment guidelines, or (iii) any federal, state, or local laws, rules, or regulations; including, but not limited to, the right to utilize said Easement Area for (a) ingress and egress, (b) general farming, (c) construction, maintenance and travel over roads and streets across the Easement Area.

PROVIDED, HOWEVER, that as a condition precedent to the exercise of any such right other than ingress and egress, GRANTOR covenants and agrees to obtain from GRANTEE ((800) 700-8744, <a href="https://www.prgnprojectsolutions.com">www.prgnprojectsolutions.com</a>, or P.O. Box 14042, St. Petersburg, Florida 33733, Attention: Asset Protection Right-of-Way Specialist) a prior written determination that the exercise of such right is not inconsistent with the safe and efficient operation and maintenance of said electric transmission and distribution lines and communications systems or with any of the foregoing guidelines or laws.

PROVIDED, ALWAYS, NEVERTHELESS, that nothing herein contained shall in any way or manner impair, alter, or diminish the grant, vesting, purpose, effect, encumbrance or provision of the easement(s) cited hereinbefore.

GRANTOR warrants and covenants that they have the right to convey to GRANTEE this Supplemental Easement, and that GRANTEE, its successors and assigns, shall have quiet and peaceful possession, use and enjoyment of same.

All covenants, terms, provisions and conditions herein contained shall inure and extend to and be obligatory upon the heirs, successors, lessees and assigns of the respective parties hereto.

IN WITNESS WHEREOF, the said GRANTOR has caused this supplemental easement to be signed in its corporate name by its proper officers thereunto duly authorized and its official corporate seal to be hereunto affixed and attested this day.

#### GRANTOR: {insert Name of Corporation} ATTEST: Secretary President Print or Type Name Print or Type Name SIGNED, SEALED AND DELIVERED IN THE PRESENCE OF: Grantor's mailing address: Signature of First Witness Print or Type Name of First Witness CORPORATE SEAL Signature of Second Witness Print or Type Name of Second Witness State of County of The foregoing Easement was acknowledged before me this \_\_\_\_\_ day of \_ by \_ and , its President and its Secretary, respectively of \_\_\_ \_ (State) Corporation, on behalf of the Corporation who are personally known to me or who have produced \_ \_\_\_ as identification.

Notary Public

NOTARY SEAL

## **EXHIBIT C**

## JUSTIFICATION TABLE

#### **EXHIBIT C**

**COMPANY:** Florida Power & Light Company

TITLE: Petition by Florida Power & Light Company for Base Rate Increase and Rate Unification

Company

**DOCKET NO.:** 20210015-EI **DATE:** July 13, 2021

Int/POD No.	Begin Bates Number	End Bates Number	Description	Confidential	Page No.	Line/Col	Florida Statute 366.093 (3) Subsection	Declarant
OPC 15 <sup>th</sup> POD, No. 138	068567	068567	Duke Energy Affected Systems Study	Y	7	Lines 1-21	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068569	068569	Duke Energy Affected Systems Study	Y	9	Lines 1-15, Col A- B	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068570	068570	Duke Energy Affected Systems Study	Y	10	Lines 1-7, Col A- B	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068570	068570	Duke Energy Affected Systems Study	Y	10	Lines 8-22, Col B	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068570	068570	Duke Energy Affected Systems Study	Y	10	Lines 23-24	(e)	Michael Spoor

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OPC 15 <sup>th</sup> POD, No. 138	068571	068571	Duke Energy Affected Systems Study	Y	11	Lines 1-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068572	068572	Duke Energy Affected Systems Study	Y	12	Lines 1-8	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068574	068574	Duke Energy Affected Systems Study	Y	14	Lines 1-30	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068575	068575	Duke Energy Affected Systems Study	Y	15	Lines 1-22	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068576	068576	Duke Energy Affected Systems Study	Y	16	Lines 1-7	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068578	068578	Duke Energy Affected Systems Study	Y	18	Lines 1-29	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068579	068579	Duke Energy Affected Systems Study	Y	19	Lines 1-7	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068581	068581	Duke Energy Affected Systems Study	Y	21	Line 1, Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068581	068581	Duke Energy Affected Systems Study	Y	21	Lines 2-22	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068582	068582	Duke Energy Affected Systems Study	Y	22	Lines 1-16	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068583	068583	Duke Energy Affected Systems Study	Y	23	Lines 1-16	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068584	068584	Duke Energy Affected Systems Study	Y	24	Line 1, Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068584	068584	Duke Energy Affected Systems Study	Y	24	Lines 2-22	(e)	Michael Spoor

lnt/POD No.	Begin Bates Number	End Bates Number	Description	Confidential	Page No.	Line/Col	Florida Statute 366.093 (3) Subsection	Declarant
OPC 15 <sup>th</sup> POD, No. 138	068585	068585	Duke Energy Affected Systems Study	Y	25	Lines 1-16	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068586	068586	Duke Energy Affected Systems Study	Y	26	Lines 1-16	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068587	068587	Duke Energy Affected Systems Study	Y	27	Line 1 Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068587	068587	Duke Energy Affected Systems Study	Y	27	Lines 2-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068588	068588	Duke Energy Affected Systems Study	Y	28	Lines 1-13	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068589	068589	Duke Energy Affected Systems Study	Y	29	Lines 1-16	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068590	068590	Duke Energy Affected Systems Study	Y	30	Line 1 Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068590	068590	Duke Energy Affected Systems Study	Y	30	Lines 2-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068591	068591	Duke Energy Affected Systems Study	Y	31	Lines 1-14	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	065892	065892	Duke Energy Affected Systems Study	Y	32	Lines 1-22	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068593	068593	Duke Energy Affected Systems Study	Y	33	Line 1 Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068593	068593	Duke Energy Affected Systems Study	Y	33	Lines 2-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068594	068594	Duke Energy Affected Systems Study	Y	34	Lines 1-15	(e)	Michael Spoor

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OPC 15 <sup>th</sup> POD, No. 138	068595	068595	Duke Energy Affected Systems Study	Y	35	Lines 1-17	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068596	068596	Duke Energy Affected Systems Study	Y	36	Line 1 Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068596	068596	Duke Energy Affected Systems Study	Y	36	Lines 2-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068597	068597	Duke Energy Affected Systems Study	Y	37	Lines 1-13	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068598	068598	Duke Energy Affected Systems Study	Y	38	Lines 1-17	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068599	068599	Duke Energy Affected Systems Study	Y	39	Line 1 Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068599	068599	Duke Energy Affected Systems Study	Y	39	Lines 2-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068600	068600	Duke Energy Affected Systems Study	Y	40	Lines 1-12	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068601	068601	Duke Energy Affected Systems Study	Y	41	Lines 1-17	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068604	068604	Duke Energy Affected Systems Study	Y	44	Lines 1-10	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068605	068605	Duke Energy Affected Systems Study	Y	45	Lines 1-15	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068606	068606	Duke Energy Affected Systems Study	Y	46	Lines 1-8	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068607	068607	Duke Energy Affected Systems Study	Y	47	Line 1 Col A	(e)	Michael Spoor

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OPC 15 <sup>th</sup> POD, No. 138	068607	068607	Duke Energy Affected Systems Study	Y	47	Lines 2-28	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068608	068608	Duke Energy Affected Systems Study	Y	48	Lines 1-15	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068609	068609	Duke Energy Affected Systems Study	Y	49	Lines 1-17	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068610	068610	Duke Energy Affected Systems Study	Y	50	Line 1 Col A	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068610	068610	Duke Energy Affected Systems Study	Y	50	Lines 2-27	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068611	068611	Duke Energy Affected Systems Study	Y	51	Lines 1-15	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068612	068612	Duke Energy Affected Systems Study	Y	52	Lines 1-16	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068613	068613	Duke Energy Affected Systems Study	Y	53	Lines 1-23	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068614	068614	Duke Energy Affected Systems Study	Y	54	Lines 1-15	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068615	068615	Duke Energy Affected Systems Study	Y	55	Lines 1-4	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068618	068618	Duke Energy Affected Systems Study	Y	58	Lines 1-20	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068620	068620	Duke Energy Affected Systems Study	Y	60	Lines 1-12	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068622	068622	Duke Energy Affected Systems Study	Y	62	Lines1-	(e)	Michael Spoor

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OPC 15 <sup>th</sup> POD, No. 138	068622	068622	Duke Energy Affected Systems Study	Y	62	Lines 9-19	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068624	068624	Duke Energy Affected Systems Study	Y	64	Lines 1-12	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068625	068625	Duke Energy Affected Systems Study	Y	65	Lines 1-13	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068627	068627	Duke Energy Affected Systems Study	Y	67	Lines 1-13	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068628	068628	Duke Energy Affected Systems Study	Y	68	Lines 1-13	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068629	068629	Duke Energy Affected Systems Study	Y	69	Lines 1-13	(e)	Michael Spoor
OPC 15 <sup>th</sup> POD, No. 138	068630	068630	Duke Energy Affected Systems Study	Y	70	Lines 1-12	(e)	Michael Spoor

## **EXHIBIT D**

## **DECLARATIONS**

#### **EXHIBIT D**

#### BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Florida Power & Light Company for Rate Unification and for Base Rate Increase

Docket No: 20210015-EI

#### DECLARATION OF MICHAEL G. SPOOR

- 1. My name is Michael G. Spoor. I am currently employed by Gulf Power Company ("FPL") as Vice-President. I have personal knowledge of the matters stated in this written declaration.
- 2. I have reviewed the documents referenced and incorporated in FPL's Request for Confidential Classification, specifically the materials provided in FPL's response to Office of Public Counsel's Fifteenth Request for Production of Documents, No. 138. The documents or materials that I have reviewed and which are asserted by FPL to be proprietary confidential business information contain information relating to competitive interests, the disclosure of which would impair the competitive business of the provider of the information. Specifically, the information contains affected system studies provided in response to OASIS requests. To the best of my knowledge, FPL has maintained the confidentiality of these documents and materials.
- 3. Consistent with the provisions of the Florida Administrative Code, such materials should remain confidential for a period of not less than 18 months. In addition, they should be returned to FPL as soon as the information is no longer necessary for the Commission to conduct its business so that FPL can continue to maintain the confidentiality of these documents.
- 4. Under penalties of perjury, I declare that I have read the foregoing declaration and that the facts stated in it are true to the best of my knowledge and belief.

Michael G. Spoor

Date: 7/9/2021