



**US Army Corps  
of Engineers®**

# PUBLIC NOTICE

Applicant:  
Michael Holdsworth  
Duke Energy

Published: March 13, 2025  
Expires: March 24, 2025

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**Jacksonville District  
Permit Application No. SAJ-2025-00633**

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344). The purpose of this public notice is to solicit comments from the public regarding the work described below:

If you are interested in receiving additional project drawings associated with this public notice, please send an e-mail to the project manager by electronic mail at [Catrina.N.Frey@usace.army.mil](mailto:Catrina.N.Frey@usace.army.mil).

**APPLICANT:** Michael Holdsworth  
Duke Energy  
3300 Exchange Place  
Lake Mary, FL 32746

**AGENT:** Michael Pshar  
Verdantas (fka Flatwood Consulting Group, Inc)  
8306 Laurel Fair Circle  
Suite 120  
Tampa, FL 33610

**WATERWAY AND LOCATION:** The project would affect waters of the United States associated with Shingle Creek. The project/review area is located adjacent to 12201 International Dr in 24 Section, 24S Township, 28E Range; at Latitude 28.384428 and Longitude -81.47393; in Orlando, Orange County, Florida.

**EXISTING CONDITIONS:** The property consists of an existing power substation within a mixed hardwood wetland. The existing structures are surrounded by stormwater conveyance features that feed into the existing stormwater retention pond adjacent to the substation.

## **PROJECT PURPOSE:**

**Basic:** Improve utility infrastructure.

**Overall:** Improve utility infrastructure within Orange County Florida.

**PROPOSED WORK:** The applicant requests authorization to expand the International Drive Substation with capacitor bank upgrades and expansion of the substation yard. The substation expansion will result in approximately 0.60 acres of wetland impacts.

**AVOIDANCE AND MINIMIZATION:** The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

Overall, the applicant has designed the project to have as minimal adverse effect on wetland resources to the greatest extent practicable. Duke Energy is proposing to expand the existing International Drive Substation and complete capacitor bank upgrades. The International Drive Substation was originally permitted under WRP No. 48-273412-4; to construct the substation, and MS48-273100 (1995) to construct and operate a surface water management system (SWMS). This expansion is required to provide a vital enhancement to the Duke Energy power grid. In an ongoing effort to provide reliable power to nearby residents, construction of new utility infrastructure is necessary to meet demand. The proposed International Drive Substation Expansion project includes construction of new utility infrastructure within the existing substation yard (capacitor bank upgrades) and expansion of the substation yard. Stormwater quality and quantity has been accounted for in the existing stormwater pond (Pond 1, permitted under MS48-273100, 1995), see Drainage Calculations Report. All fill material used for the construction of the substation expansion stabilization will be clean, free of debris and toxic or deleterious substances. Sedimentation and erosion control devices will be installed and maintained during construction to prevent impacts to adjacent wetlands and surface waters. The locations of the proposed activities associated with the substation expansion and capacitor bank upgrades are restricted to works occurring over natural wetlands to the south due to the juxtaposition of existing SWMS (north), access road and utility easement / transmission line (east), and existing development (west). The applicant designed the project to avoid and minimize impacts to wetlands to the greatest extent practicable while maintaining project objectives of enhancing the Duke Energy power grid to better serve the residents of Orange County. The substation expansion will result in approximately 0.60-acres of wetland impact.

**COMPENSATORY MITIGATION:** The applicant offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment:

This project is located within the Shingle Creek Drainage Basin. To compensate for the functional wetland loss, Duke will purchase 0.38 State UMAM credits from the Shingle Creek Mitigation Bank *and* 0.38 Federal WRAP credits from the Florida Mitigation Bank; both mitigation banks service the Shingle Creek Drainage Basin (Wetland A drainage basin), thus purchased credits will offset proposed wetland impacts in-basin.

**CULTURAL RESOURCES:**

The Corps is evaluating the undertaking for effects to historic properties as required under Section 106 of the National Historic Preservation Act. This public notice serves to inform the public of the proposed undertaking and invites comments including those

from local, State, and Federal government Agencies with respect to historic resources. Our final determination relative to historic resource impacts may be subject to additional coordination with the State Historic Preservation Officer, federally recognized tribes and other interested parties.

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

**ENDANGERED SPECIES:** The Corps has performed an initial review of the application, the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC), to determine if any threatened, endangered, proposed, or candidate species, as well as the proposed and final designated critical habitat may occur in the vicinity of the proposed project. Based on this initial review, the Corps has made a preliminary determination that the proposed project may affect, not likely to adversely affect species and critical habitat listed below. No other ESA-listed species or critical habitat will be affected by the proposed action.

**Table 1:** ESA-listed species and/or critical habitat potentially present in the action area.

<b>Species Common Name and/or Critical Habitat Name</b>	<b>Scientific Name</b>	<b>Federal Status</b>
Wood Stork	<i>Mycteria americana</i>	Threatened
Beautiful Paw Paw	<i>Deeringothamnus pulchellus</i>	Endangered
Britton's beargrass	<i>Nolina brittoniana</i>	Endangered
Crested caracara	<i>Caracara plancus audubonii</i>	Threatened
Eastern Black Rail	<i>Laterallus jamaicensis ssp jamaicensis</i>	Threatened
Eastern Indigo Snake	<i>Drymarchon couperi</i>	Threatened
Everglade snail kite	<i>Rostrhamus sociabilis plumbeus</i>	Endangered
Florida scrub-jay	<i>Aphelocoma coerulescens</i>	Threatened
Paery whitlow-wort	<i>Paronychia chartacea</i>	Threatened
Pigeon wings	<i>Clitoria fragrens</i>	Threatened
Red-cockaded woodpecker	<i>Dryobates borealis</i>	Threatened
Sandlace	<i>Polygeonella myriophylla</i>	Endangered
Scrub lupine	<i>Lupinus aridorum</i>	Endangered

Pursuant to Section 7 ESA, any required consultation with the Service(s) will be conducted in accordance with 50 CFR part 402. The Army Corps is the lead Federal

agency for ESA consultation for the proposed action. Any required consultation will be completed by The Army corps.

This notice serves as request to the U.S. Fish and Wildlife Service for any additional information on whether any listed or proposed to be listed endangered or threatened species or critical habitat may be present in the area which would be affected by the proposed activity.

**NAVIGATION:** The proposed structure or activity is not located in the vicinity of a federal navigation channel.

**SECTION 408:** The applicant will not require permission under Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408) because the activity, in whole or in part, would not alter, occupy, or use a Corps Civil Works project.

**WATER QUALITY CERTIFICATION:** Water Quality Certification may be required from the Florida Department of Environmental Protection (FDEP). The project is being reviewed under FDEP application no. 0457846-001.

**NOTE:** This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The geographic extent of aquatic resources within the proposed project area that either are, or are presumed to be, within the Corps jurisdiction has not been verified by Corps personnel.

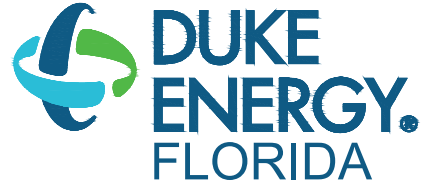
**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972 A permit will be granted unless its issuance is found to be contrary to the public interest.

**COMMENTS:** The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to

consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The Jacksonville District will receive written comments on the proposed work, as outlined above, until March 24, 2025. Comments should be submitted electronically via the Regulatory Request System (RRS) at <https://rrs.usace.army.mil/rrs> or to Catrina Frey at [catrina.n.frey@usace.army.mil](mailto:catrina.n.frey@usace.army.mil). Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Jacksonville District, Attention: Catrina Frey, 4400 PGA Blvd Suite 500 Palm Beach Gardens, FL 33410. Please refer to the permit application number in your comments.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing will be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.

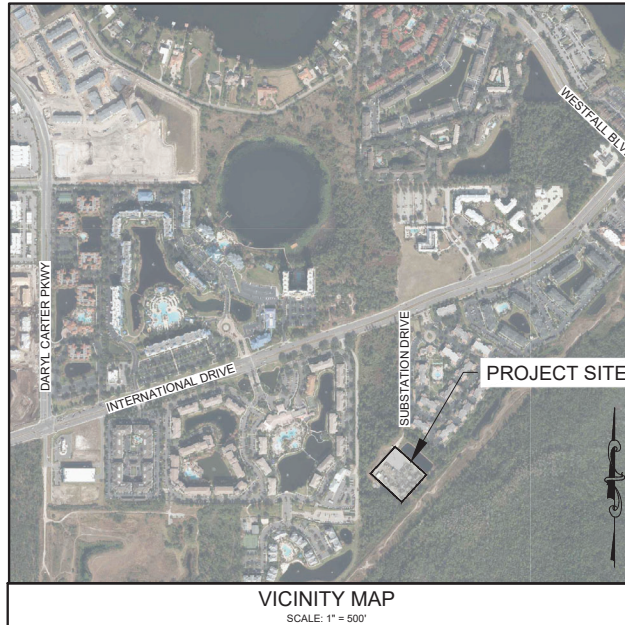


INTERNATIONAL DRIVE SUBSTATION  
12201 INTERNATIONAL DRIVE, ORLANDO, FLORIDA 32821  
LATITUDE: N 28° 23' 10"  
LONGITUDE: W 81° 28' 18"

PROJECT INFORMATION	
LANDOWNER	DUKE ENERGY FLORIDA, INC. 3300 EXCHANGE PLACE NP3A LAKE MARY, FL 32746 PH: 863.512.3251
SUBSTATION ENGINEER	PAUL S. CORDERO, PE SENIOR SUBSTATION ENGINEER PH: 863.512.3251
ENGINEER	DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE, SUITE 1000 ORLANDO, FL 32803 PH: 804-423-4935
SURVEYOR	COLLIERS ENGINEERING & DESIGN 1101 NORTH LAKE DESTINY ROAD SUITE 415 MAITLAND, FLORIDA 32751 PH: 321.441.9405
EXISTING USE	INDUSTRIAL / UTILITIES
PROPOSED USE	INDUSTRIAL / UTILITIES
EXISTING BUILDING	111,874 SF
PROPOSED BUILDING	20,227 SF
SITE ZONING	P-D PLANNED DEVELOPMENT
PARCEL ACREAGE	7.9± AC
PROJECT ACREAGE	0.50 AC
EXISTING IMPERVIOUS AREA	2.57 AC
EXISTING IMPERVIOUS AREA %	32.5%
PROPOSED IMPERVIOUS AREA	0.46 AC
PROPOSED IMPERVIOUS INCREASE %	5.8%
PLAT BOOK AND PAGE NUMBER	BOOK 35 AND PAGE 53
OFFICIAL RECORDS BOOK AND PAGE NUMBER	NOT APPLICABLE
PARCEL NUMBER	24-24-28-2809-00-010

LEGAL DESCRIPTION:

LOT 1 OF FLORIDA POWER CORPORATION'S INTERNATIONAL DRIVE SUBSTATION, AS RECORDED IN PLAT BOOK 35, PAGE 53, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.



SHEET LIST:

COVER SHEET	S-345-D113	SHT 1	OF 1
EXISTING CONDITIONS AND DEMOLITION PLAN	S-345-D114	SHT 1	OF 1
TREE REMOVAL PLAN	S-345-D115	SHT 1	OF 1
CIVIL SITE PLAN	S-345-D116	SHT 1	OF 1
CLEAR, GRADE & FILL PLAN	S-345-D117	SHT 1	OF 1
DRAINAGE LAYOUT & DETAILS	S-345-D118	SHT 1	OF 1
SEDIMENT & EROSION CONTROL PLAN	S-345-D119	SHT 1	OF 2
SEDIMENT & EROSION CONTROL DETAILS	S-345-D119	SHT 2	OF 2

GENERAL NOTES:

- LOCATION AND TOPOGRAPHICAL INFORMATION WAS TAKEN FROM AN ACTUAL FIELD SURVEY PERFORMED BY COLLIERS ENGINEERING & DESIGN. (DATE OF FIELD SURVEY MAY 15, 2024). REFERENCE DATUM IS NAVD 88.
- BOUNDARY INFORMATION IS SHOWN FOR REFERENCE ONLY. CONSULT PROFESSIONAL LAND SURVEYOR FOR BOUNDARY DATA.
- ALL MATERIALS, CONSTRUCTION, WORKMANSHIP SHALL MEET DUKE ENERGY FLORIDA, INC. SPECIFICATIONS, STANDARDS AND DESIGN.
- CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION ISSUED BY AGC OF AMERICA, INC., AND THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.
- CONTRACTOR TO REFER TO GEOTECHNICAL REPORT COMPLETED BY BJ ROCK GEOTECHNICAL (DATED AUGUST 2024). THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY PAVEMENT OR EXISTING UTILITIES THAT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITY.
- DO NOT POUR ANY CONCRETE BEFORE FORMS ARE INSPECTED AND APPROVED BY THE PROJECT ENGINEER. FAILURE TO DO SO MAY CONSTITUTE REMOVAL OF WORK PERFORMED AT CONTRACTOR'S COST UNTIL MADE SATISFACTORY BY THE ENGINEER.
- CONTRACTOR IS REQUIRED TO PROVIDE "AS-BUILT" DRAWINGS FOR ENGINEER UPON COMPLETION OF CONSTRUCTION. NOTE ANY DEVIATIONS FROM THE ORIGINAL PLANS. PLANS ARE TO REFLECT THE ACTUAL LOCATION AND MATERIALS.
- EARTHWORK/EROSION:
  - CLEAR, GRADE AND FILL IS SUPERIMPOSED ON A PORTION OF THE BOUNDARY AND TOPOGRAPHIC SURVEY, PROJECT # 210072656 BY COLLIERS ENGINEERING & DESIGN.
  - ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE TO GEOTECHNICAL REPORT BY BJ ROCK GEOTECHNICAL (DATED AUGUST 2024).
  - EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES ARE TO BE INSTALLED PRIOR TO CLEARING AND EARTHWORK COMMENCEMENT, AND SHALL BE OBSERVED AND MAINTAINED DURING CONSTRUCTION.
  - EXISTING TURF ON THIS SITE IN THE UNDISTURBED AREAS SHALL REMAIN UNDISTURBED. ANY DAMAGE BY CONTRACTOR SHALL BE REPAIRED TO ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
  - IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF ANY ARCHEOLOGICAL/HISTORIC RESOURCES, INCLUDING BUT NOT LIMITED TO ABORIGINAL OR HISTORIC POTTERY, PREHISTORIC STONE TOOLS, HISTORIC TRASH PITS, OR HISTORIC BUILDING FOUNDATIONS ARE DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND THE FLORIDA DEPARTMENT OF HISTORIC RESOURCES (STATE HISTORIC PRESERVATION OFFICER) SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE RESOURCES FOUND ON THE SITE.
  - ANY WELLS FOUND ON SITE SHALL BE PROPERLY ABANDONED IN PLACE PER FDEP REGULATIONS.
  - CONSTRUCTION BASELINE MONUMENTS SHALL NOT BE DISTURBED DURING CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY AND BASE MONUMENTATION. ANY DISTURBED MONUMENTATION SHALL BE RESTORED BY A FLORIDA-LICENSED LAND SURVEYOR SELECTED BY THE OWNER AT THE CONTRACTOR'S EXPENSE.
  - #57 GRANITE SHALL BE THE LAST ITEM INSTALLED IN THE SUBSTATION YARD.
  - THE #57 GRANITE SHALL NOT BE COMPACTED DURING OR AFTER INSTALLATION.
- ENVIRONMENTAL:
  - THIS SITE LIES WITHIN FEMA ZONE X, PER FIRM 12095CO415F DATED SEPTEMBER 25, 2009.
  - THIS SITE IS NOT LOCATED WITHIN A WATERSHED PROTECTION ZONE.
- STREETS:
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO FDOT AND/OR COUNTY RIGHT-OF-WAY. ALL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.
  - WORK WITHIN THE FOOT RIGHT-OF-WAY SHALL CONFORM TO FDOT STANDARDS AND SPECIFICATIONS.
  - CONTRACTOR SHALL SAW-CUT TO PROVIDE SMOOTH TRANSITION AT TIE-IN TO EXISTING EDGE OF PAVEMENT WHERE APPLICABLE.
- UTILITIES:
  - EXISTING UTILITY LOCATIONS SHOWN, IF ANY, ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING WORK. CONTRACTOR SHALL CONTACT FL SUNSHINE AT 811 FOR LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
  - CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING UNDER, AROUND, AND/OR ADJACENT TO EXISTING POWER LINES.

REV	FILE NO.	DATE	REVISION	DRAWN	CHECKED	APPROVED

CALL BEFORE YOU EXCAVATE  
"CALL SUNSHINE"

811  
TOLL FREE  
FL STATUTE 556 REQUIRES  
MIN. 2 DAYS AND MAX. 5 DAYS  
NOTICE BEFORE YOU EXCAVATE



Donald C. Bieger, Jr., P.E.  
FL P.E. # 60857

NOT VALID WITHOUT THE SIGNATURE  
AND THE ORIGINAL SEAL OF A  
FLORIDA REGISTERED ENGINEER

ISSUED FOR PERMITTING



GENERAL SITE PLAN			
INTERNATIONAL DRIVE SUBSTATION ORANGE COUNTY, FLORIDA			
DATE	DATE PREPARED	SHEET	S-345-D113
D	F19024001	7 - 1 - 24	SHT 1 OF 4
SCALE	DATE	FOR	DB
			DS

INTERNATIONAL DRIVE SUBSTATION

