STANDARD FORM 299 (REV. 3/2020)

FORM APPROVED

249

	Y SYSTEMS, TELECOMMUNICATIONS AND FACILITIES	OMB Control Number: 0596-02 Expiration Date: 2/28/2023	
ONTEDERALI	ON FEDERAL LANDS AND PROPERTY FOR AGE		
applicant should completely review this package, including		Application Number	
representatives of the agency responsible for processing th requirements to be met in preparing and processing the application can be completed at the pre-application meeting	olication. Many times, with the help of the agency representative, the	Date Filed	
Name and address of applicant Mike Leahy, PE Pickett 5010 W. Nassau Street Tampa, FL 33607	2. Name and address of authorized agent if different from item 1 Brian Yates Florida Power & Light Company 15430 Endeavor Drive DO1/JW Jupiter, FL 33478	3. Applicant telephone number and email: C: 813-404-1555 Email: mleahy@pickettusa.com Authorized agent telephone number an email: C: 772-904-3328 Email: brian.yates@fpl.com	
4. As applicant are you? <i>(check one)</i>	5. Specify what application is for: <i>(check one)</i>		
a.			
Attach a map covering area and show location	of project proposal		
State or Local government approval: Atta	ched Applied for V Not Required		
10. Nonrefundable application fee: Atta	ched Not required To be determined by agen	ıcy	
11. Does project cross international boundary or a	ffect international waterways? Yes No (if "yes," ind	licate on map)	
requested. Pickett and Associates, Inc. has b	capability to construct, operate, maintain, and terminate syste een provided a purchase order to conduc he design of the future NFRC transmissio	ct this work on behalf of	
	ars of experience completing SPT and ER		

Florida. This exploratory work will not be operational or permanent.

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13a. Describe other alternative locations considered. No other alternative locations were considered. This sampling is required to understand the soil properties at the locations of the proposed poles for the NFRC. Therefore, the sampling must take place in the prescribed locations.
b. Why were these alternatives not selected? N/A
c. Give explanation as to why it is necessary to use or occupy Federal assets (lands or buildings). The sampling will be temporary in nature and no permanent facilities will be required. The sampling is expected to be take a total of two weeks. Once the sampling is complete, all equipment will be removed.
14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name) NFRC Environmental Assessment and Special Use Permit application - US Forest Service, Apalachicola National Forest
15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits. This work is required to gain an understanding of the subsurface properties in order to design the future transmission line structure foundation. The cost of this exploratory work will be minimal in comparison the cost to construct the transmission line and the benefit of its reliable operation.
16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles. The sampling will have no effects on the human population in the area.
17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability; and, (g) historic or archaeological resources or properties. Environmental effects of the proposed project are not anticipated.
18. Describe the probable effects that the proposed project will have on (a) populations of fish, plant life, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals. Effects to wildlife, plant or other biological species or habitat are not anticipated.
19. State whether any hazardous material, as defined in this paragraph, would be used, produced, transported or stored on or in a federal building or federal lands or would be used in connection with the proposed use or occupancy. "Hazardous material" shall mean (a) any hazardous substance under section 101(14) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 42 U.S.C. § 9601(14); (b) any pollutant or contaminant under section 101(33) of CERCLA, 42 U.S.C. § 9601(33); (c) any petroleum product or its derivative, including fuel oil, and waste oils; and (d) any hazardous substance, extremely hazardous substance, toxic substance, hazardous waste, ignitable reactive or corrosive materials, pollutant, contaminant, element, compound, mixture, solution or substance that may pose a present or potential hazard to human health or the environment under any applicable environmental laws. The holder shall not store any hazardous materials at the site without prior written approval from the authorized officer. This approval shall not be unreasonably withheld. If the authorized officer provides approval, this permit shall include (or in the case of approval provided after this permit is issued, shall be amended to include) specific terms addressing the storage of hazardous materials, including the specific type of materials to be stored, the volume, the type of storage, and a spi plan. Such terms shall be proposed by the holder and are subject to approval by the authorized officer.
No hazardous material will be used, produced, transported or stored within the Apalachicola National Forest.
20. Name all the Federal Department(s)/Agency(ies) where this application is being filed. US Forest Service, Apalachicola National Forest
I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

Signature of Applicant

Date

09-18-20

GENERAL INFORMATION ALASKA NATIONAL INTEREST LANDS

This application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation utility systems telecommunication installations facility uses for which the application may be used are:

- 1. Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
- 2. Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
- 3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
- 4. Systems for the transmission and distribution of electric energy.
- 5. Wired and wireless systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
- 6. Improved right-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
- 7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application must be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

In Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture Regional Forester, Forest Service (USFS) P.O. Box 21628 Juneau, Alaska 99802-1628 Telephone: (907) 586-7847 (or a local Forest Service Office)

Department of the Interior Bureau of Indian Affairs (BIA) Alaska Regional Office 709 West 9th Street Juneau, Alaska 99802 Telephone: (907) 586-7177

Department of the Interior Alaska State Office Bureau of Land Management 222 West 7th Avenue #13 Anchorage, Alaska 99513 Public Room: 907-271-5960 FAX: 907-271-3684 (or a local BLM Office)

U.S. Fish & Wildlife Service (FWS) Office of the Regional Director 1011 East Tudor Road Anchorage, Alaska 99503 Telephone: (907) 786-3440 National Park Service (NPS) Alaska Regional Office 240 West 5th Avenue Anchorage, Alaska 99501 Telephone: (907) 644-3510

Note - Filings with any Interior agency may be filed with any office noted above or with the Office of the Secretary of the Interior, Regional Environmental Officer, P.O. Box 120, 1675 C Street, Anchorage, Alaska 99513

Department of Transportation Federal Aviation Administration Alaska Region AAL-4, 222 West 7th Ave., Box 14 Anchorage, Alaska 99513-7587

Telephone: (907) 271-5285

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FHWA), Federal Railroad Administration (FRA).

OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual department/agencies may authorize the use of this form by applicants for transportation, utility systems, telecommunication installations and facilities on other Federal lands outside those areas described above

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

SPECIFIC INSTRUCTIONS (Items not listed are self-explanatory)

7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.

- 8 Generally, the map must show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 The responsible agency will provide additional instructions.
- 13 Providing information on alternate locations in as much detail as possible, discussing why certain locations were rejected and why it is necessary to use Federal assets will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate locations as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- 16 through 19 Providing this information with as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use a sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, do not address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicant's authorized representative.

EFFECT OF NOT PROVIDING INFORMATION

Disclosure of the information is voluntary. If all the information is not provided, the proposal or application may be rejected.

DATA COLLECTION STATEMENT

The Federal agencies collect this information from proponents and applicants requesting a right-of-way, permit, license, lease, or certification for use of Federal assets. The Federal agencies use this information to evaluate a proponent's or applicant's proposal to use Federal assets.

BURDEN STATEMENT

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0249. The time required to complete this information collection is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. The authority to collect this information is derived from 47 U.S.C. 1455(c)(3) and 16 U.S.C. 3210.

USDA NONDISCRIMINATION STATEMENT

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

SUPPLEMENTAL				
NOTE: The responsible agency(ies) will provide instructions		CHECK APPROPRIATE BLOCK		
I - PRIVATE CORPORATIONS	ATTACHED	FILED *		
a. Articles of Incorporation				
b. Corporation Bylaws				
c. A certification from the State showing the corporation is in good standing and is entitled to operate within the State				
d. Copy of resolution authorizing filing				
e. The name and address of each shareholder owning 3 percent or more of the shares, together with the number and percentage of any class of voting shares of the entity which such shareholder is authorized to vote and the name and address of each affiliate of the entity together with, in the case of an affiliate controlled by the entity, the number of shares and the percentage of any class of voting stock of that affiliate owned, directly or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate.				
f. If application is for an oil or gas pipeline, describe any related right-of-way or temporary use permit applications, and identify previous applications.				
g. If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal.				
II - PUBLIC CORPORATIONS				
a. Copy of law forming corporation				
b. Proof of organization				
c. Copy of Bylaws				
d. Copy of resolution authorizing filing				
e. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.				
III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY				
a. Articles of association, if any				
b. If one partner is authorized to sign, resolution authorizing action is				
c. Name and address of each participant, partner, association, or other				
d. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above.				

^{*} If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., number, date, code, name). If not on file or current, attach the requested information.







To: Matthew Trager

United States Department of Agriculture

325 John Knox Road, Suite F-100

Tallahassee, FL 32303

From: Mike Leahy, PE, PSM

Date: August 13, 2020

RE: North Florida Resiliency Connection Transmission Line Project – Geotechnical Scope

Dear Matt,

As part of the ongoing design process for the North Florida Resiliency Connection (NFRC) Transmission Line Project, we are seeking to conduct additional Standard Penetration Test (SPT) geotechnical borings as well as Electrical Resistivity Imaging (ERI) testing within the proposed Gulf Power Easement that runs alongside the FGT right-of-way.

A map detailing the number and location of the proposed additional borings as well as the location of the ERI testing is attached. No clearing will be required to conduct this testing. One of the boring locations is within a wetland and we will be seeking approval from the Florida Department of Environmental Protection (FDEP). We will not conduct this boring until the approval is granted and we will adhere to all requirements outlined by the FDEP.

Description of SPT boring process:

- SPT borings are to be performed in general compliance with standard field penetration test procedures (ASTM D 1586-99). After drilling to the sampling depth and flushing the borehole, a standard 2-inch O.D. split-barrel sampler is seated by driving it 6 inches into the undisturbed soil at the bottom of the borehole. The sampler is then driven an additional 12 inches by a 140-pound hammer falling 30 inches. The number of blows required to produce 12 inches of penetration is recorded as the standard penetration test value (N). These values are plotted on the left side of the boring log.
- SPT borings are advanced by means of a drill rig employing wet rotary drilling techniques. SPT
 testing is performed continuously in the upper 10 feet and 5-foot intervals thereafter. The soil
 samples obtained at the depths where the SPT testing is performed are then classified in the field,
 placed in sealed containers, and returned to a lab or other facility for further evaluation by a
 geotechnical engineer.
- When rock/limestone is encountered prior to the required depth of the boring (very common in all parts of Florida), the SPT process is simply continued until the hole is finished. Almost all limestone is Florida can be penetrated/drilled with typical rock bits. In the rare instance where the rock is not penetrable with the drill bit and it is desired to extend the hole, then diamond

tipped core barrels can be used to core through that material – very time consuming and very expensive.

Description of the SPT grouting process:

• Upon completion, all boreholes shall be backfilled in accordance with applicable Florida Department of Environmental Protection and Water Management District regulations.

Description of SPT personnel on-site during the testing:

- Drill crew (head driller, driller's aid, sometimes a second driller's aid) and field technician/engineer's representative with the crew full time or in the vicinity.
- 1-2 additional personnel may be on site to represent the engineering consultant that will be sampling the soil at the 2 locations noted for soil resistivity testing.

Description of SPT equipment to be used:

Trailered rig



Truck Mounted rig



Description of the ERI process:

• 56 - 3/8 inch diameter probes will be inserted into the ground at a depth of up to 12 inches over a 550 foot linear distance per test. A low energy electrical current is injected into the ground and the subsurface resistance is measured to provide a low impact characterization of the subsurface.

Description of the ERI personnel on-site during testing:

• A geologist will be on-site to oversee the testing. In total, there will be 3-4 crewmembers, including the geologist.

Description of the ERI equipment to be used:

• Full size truck



• Field equipment and setup



Timing:

- We expect the SPT boring process to take approximately 1 week. Prior to beginning Geotech borings, a survey crew will be onsite to stake the location and a locator may come on-site to locate any underground utilities in the vicinity of the locations.
- We also expect the ERI process to take approximately 1 week. This will be a separate crew from the SPT borings.

Please let us know if you have any questions and of any requirements associated to this proposed work.

Thank you again for your assistance with this project.

Mike Leahy, PE, PSM COO – Picket and Associates, Inc. (Engineering consultant to Gulf Power)

Attachment (1)

1. Soil Testing Sites Exhibit















