

Levy Nuclear Plant to Proposed Citrus Substation (LPC)
Site Certification Application

Maximum Sound Levels at the Property Line		
Receiving Land Use	Time	Sound Level Limit (dBA)
	10:00 pm to 7:00 am	60
Industrial Districts	Anytime	75

The 500-kV LPC transmission line construction, operation, and maintenance will comply with the Levy County noise ordinance except as authorized by the County.

Citrus County

The Citrus County Land Development Code (Chapter 1 General Provisions, Section 1500 Definitions) defines utility, public or private, to exclude electrical transmission and distribution lines. In Chapter 2 Administrative and Legislative Procedures, Section 2030, the County discusses the requirements of development orders and identifies exemptions. In this chapter, essential services are defined as services authorized and regulated by state or national public utility commissions or services owned, franchised or permitted by the County and are permitted in any district. This provision states that electric utility poles and transmission towers must, insofar as possible, conform to the character of the district as to architecture and landscaping and meet all yard, area and similar requirements as identified for each district involved.

In Chapter 4 Mandatory Use, Design Standards, and Development Criteria of the Land Development Code the tree protection and removal requirements are discussed. In Section 4344 of this chapter the installation and maintenance of essential utilities within existing road rights-of-way or within a utility easement does not require a tree removal permit. Outside of existing road rights-of-way, and utility easements for nonresidential development projects, the removal of a tree is typically prohibited without prior consent from the County, as specified in Section 4346. In Section 4242, the use of rights-of-way for public or private utilities for electric transmission and pole placement are allowed and are typically subject to a right-of-way utilization permit from the Department of Public Works and are required to follow the placement specification as required by the County.

The Citrus County Code of Ordinances (Chapter 21 Noise, Vibration and Air Pollution, Article II Noise) identifies and discusses noise regulations. As specified in Section 21-20, any person that makes, causes, or allows the making of any noise or sound that exceeds the noise levels presented in this chapter is in violation of this article. Sound levels have been established by land use classification for noise generated across property lines, interior noise within multifamily dwelling units, and maximum instantaneous sound levels.

As specified in Section 21-27, the operation of equipment used in construction work, building, excavation, grading, pile driving, pneumatic hammering, demolition, dredging, building alteration or repair work is typically prohibited between the hours of 10:00 pm and 7:00 am unless prior authorization has been

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provided by the County. Activities that are exempt from the noise level regulations include the construction, emergency or routine maintenance of public service utilities as specified in Section 21-29.

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Noise Generated Across Property Lines		
Receiving Land Use	Time	Sound Level Limit (dBA)
Residential	Daytime	60
	Nighttime	55
Government-owned buildings or property (institutional or recreational)	Daytime	55
	Nighttime	50
Commercial or business	Daytime	65
	Nighttime	60
Industrial or manufacturing	Daytime	75
	Nighttime	75
Agricultural	Daytime	75
	Nighttime	75
Maximum instantaneous sound levels:		
Residential	Daytime	70
	Nighttime	60
Government-owned buildings or property (institutional or recreational)	Daytime	65
	Nighttime	55
Commercial or business	Daytime	75
	Nighttime	65
Industrial or manufacturing	Daytime	85
	Nighttime	85
Agricultural	Daytime	85
	Nighttime	85
Multi-family Dwelling	Daytime	60
	Nighttime	50

9-A1.3.6.2.4 Zoning and Land Use Plans for the Proposed Citrus Substation

The proposed Citrus substation will not be permitted through the SCA process. PEF will seek the necessary approvals for the proposed Citrus substation separately. Thus, this section has been withdrawn from the SCA.

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9-A1.3.6.3 Easements, Title, Agency Works

Easements or other appropriate authorizations will be necessary to cross lands under the jurisdiction of the Florida Board of Trustees of the Internal Improvement Trust Fund (TIITF) and other governmental agencies.

Crossing federal highways such as I-75 would typically require approval from the Florida Department of Transportation (FDOT). Other entities that would normally be contacted for permits or approvals to cross existing facilities include state, county, and municipal governments for maintained roads; water management districts; railroad companies for their facilities; and gas pipeline companies. All crossing of state roads will conform to the applicable specifications in the FDOT's Utility Accommodation Guide (2007).

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The 500-kV LPC Corridor crosses one greenway (Cross Florida Greenway), two navigable waterways (Cross Florida Barge Canal and Withlacoochee River), and one local recreation area (Buddy Risher Sports Complex). Crossing these properties may require easements or other appropriate authorizations.

Table 9-A1.3-5 identifies the facilities anticipated to be crossed by the transmission lines, the affected agency, and the type of approval that would typically be required for the 500-kV LPC transmission lines to be constructed across public lands.

9-A1.3.6.4 Vicinity Scenic, Cultural, and Natural Landmarks

The 500-kV LPC Corridor crosses the Cross Florida Greenway, which includes Inglis Island and the Withlacoochee River. The Cross Florida Greenway is approximately 110 miles long traversing through Citrus, Levy, Marion and Putnam Counties, and occupying much of the land that was formerly known as the Cross Florida Barge Canal. The Cross Florida Greenway stretches from the Gulf of Mexico to the St. Johns River.

The 500-kV LPC Corridor crosses the Withlacoochee River. The portions of the Withlacoochee River that have been designated as an OFW are within 0.5 mile of the 500-kV LPC Corridor. An OFW is defined as “waters designated by the Environmental Regulation Commission as worthy of special protection because of their natural attributes” (Chapter 62-302.700(9), F.A.C).

The Crystal River Preserve State Park is located within 0.5 miles of the southeastern edge of the 500-kV LPC Corridor. The park borders approximately 20 miles of the northern Gulf Coast between Yankeetown and Homosassa. The area is used for outdoor recreation and natural resource management (FDEP, Office of Greenways & Trails, 2007).

9-A1.3.6.5 Archaeological and Historic Sites

Coordination was conducted with the Florida Department of State, Division of Historical Resources (FDHR) to identify previously recorded archaeological sites and historic resources and to determine the potential for unrecorded resources within the 500-kV LPC Corridor.

This coordination included a detailed search of the Florida Master Site File (FMSF), which is the official inventory of previously documented archaeological sites and historic resources, and a guide to National Register of Historic Places (NRHP) listed or eligible resources in the State. This search included an analysis of the most current GIS data, which include both a spatial and tabular representation of previously recorded cultural resources within the State. Attachment 9-A1-3 contains an analysis of archaeological and historic sites in the 500-kV LPC Corridor and the other transmission line corridors.

No NRHP listed or eligible archaeological sites or historic resources were identified in the 500-kV LPC Corridor through the FMSF. Although portions of