

Table 9-A3.3-1
Features Included on Regional Screening Maps
500-kV LCFS Corridor

Feature	Description
Residences	Identification of existing residential areas within the study area based on the FLUCCS 110-139 class definition areas and Land Use/Land Cover maps
Major Developments	Identification of approved Developments of Regional Impact within the study area
Existing PEF Transmission Lines	Identification of existing PEF transmission lines within the study area
Other Existing Linear Facilities	Identification of other existing linear facilities (existing and committed major public roads and existing railroads) within the study area
Conservation Lands and Parks	Identification of conservation lands and parks using federal, state, and local government data sources and available online data) in the study area
Wetlands	Identification of wetlands within the study area using the FLUCCS Land Use/Land Cover 600-654 class definition areas
National Register of Historic Places	Identification of NRHP sites within the study area
Threatened and Endangered Species	Identification of the location of threatened and endangered species within the study area based on the FNAI database
Airports	Identification of any licensed public or private airports and heliports registered with FAA and/or FDOT within the study area
Agriculture and Rangelands	Identification of agriculture and rangelands within the study area using will be identified through the FLUCCS Land Use/Land Cover 200-330 class definitions.

Notes:

PEF	Progress Energy Florida
FLUCCS	Florida Land Use Cover and Forms Classification System
GIS	Geographic Information Systems
FNAI	Florida Natural Areas Inventory
FAA	Federal Aviation Administration
FDOT	Florida Department of Transportation
NRHP	National Register of Historic Places

**Table 9-A.3.3-2
Quantitative Evaluation Criteria
500-kV LCFS Corridor**

Criterion	Description
Airports	A count of each airport within the corridor segment and within 20,000 feet of the corridor segment centerline ¹ and a count of each heliport within the corridor segment and within 5000 feet of the corridor segment
Archaeological Resources	A count of archaeological resource site locations within or in close proximity to the corridor segment ²
Commercial and Services Land Uses	Commercial and services land uses identified by the 140-149 FLUCCS (except 148 class definition) class definition series from the FLUCCS Land Use/Land Cover maps.
Community Facilities	A count of community facilities within the corridor segment ³
Conservation Lands and Parks	Area of conservation lands and parks within the corridor segment
Cost	The U.S. dollar amount estimated to construct the proposed transmission line within the corridor segment
Eagle Nests	A count of eagle nest locations within the corridor segment and within 1500 feet of the corridor segment centerline
Existing PEF Transmission Lines	Length of the corridor segment within or in close proximity to an existing PEF transmission line
Flood Plain	Area of a 100-year flood plain within the corridor segment
Forested Wetlands	Area of forested wetland areas within the corridor segment
Future Residential Land Use	Area of local government comprehensive plan adopted future land use map designated as residential within the corridor segment.
Herbaceous Wetlands	Area of herbaceous wetland areas within the corridor segment
Historic Resources	A count of historic resource site locations within the corridor segment ⁴
Industrial and Extractive Land Uses	Industrial and extractive land uses identified by the 150-166 FLUCCS class definition series from the FLUCCS Land Use/Land Cover maps.
Other Existing Linear Facilities	Length of existing and committed major public roads and existing railroads within the corridor segment
Parcels	A count of parcels within the corridor segment
Residences	A count of residences within the corridor segment
Schools	A count of existing and proposed public and existing private schools within the corridor segment ⁵
Threatened and Endangered Species	A count of protected species (flora and fauna) locations within the corridor segment (not including eagle nests)
Upland Forests	Area of upland forested areas within the corridor segment

¹ Airports are measured from the closest runway. Airports and heliports are identified by FAA and/or FDOT.

² Archaeological resource sites were approximated by adding a 500-foot radius to the resource site locations.

³ Community facility sites were approximated by adding a 100-foot radius to each community facility location.

⁴ Historic resource sites were approximated by adding a 500-foot radius to the resource site locations.

⁵ Existing schools were measured from school parcel boundaries; proposed school sites were approximated by adding a 500-foot radius to school locations.

Table 9-A3.3-3
Highest-Ranking Candidate Corridors
500-kV LCFS Corridor

Ranking	Candidate Corridor	Corridor Segments	Total Score
1	20	S71+S73+S23+S22+S75+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	13.9
2	671	S71+S73+S23+S22+S75+S53+S118+S12+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	14.7
3	2393	S71+S73+S23+S2+S9+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	14.9
4	811	S71+S73+S23+S22+S74+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	15.0
5	1602	S71+S73+S23+S2+S9+S74+S75+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	15.3
6	3044	S71+S73+S23+S2+S9+S54+S53+S118+S12+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	15.7
7	1462	S71+S73+S23+S22+S74+S54+S53+S118+S12+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	15.8
8	2253	S71+S73+S23+S2+S9+S74+S75+S53+S118+S12+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	16.1
9	17	S71+S73+S23+S22+S75+S53+S118+S132+S111+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	16.6
10	531	S71+S73+S23+S22+S75+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S69+S127+S47+S142	16.6
11	21	S71+S73+S23+S22+S75+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S126+S142	17.0
12	27	S71+S73+S23+S22+S75+S53+S21+S57+S20+S112+S81+S44+S97+S150+S151+S98+S49+S113+S46+S102+S141+S47+S142	17.3
13	668	S71+S73+S23+S22+S75+S53+S118+S12+S112+S81+S44+S97+S150+S45+S113+S46+S102+S69+S127+S47+S142	17.4
14	2390	S71+S73+S23+S2+S9+S54+S53+S118+S132+S111+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	17.6
15	2904	S71+S73+S23+S22+S74+S54+S53+S118+S132+S111+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	17.6
16	808	S71+S73+S23+S2+S9+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S69+S127+S47+S142	17.7
17	1322	S71+S73+S23+S22+S74+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S69+S127+S47+S142	17.7
18	672	S71+S73+S23+S22+S75+S53+S118+S12+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S126+S142	17.7
19	6	S71+S73+S23+S22+S75+S53+S21+S57+S20+S112+S81+S44+S97+S66+S98+S49+S113+S46+S102+S141+S47+S142	17.9
20	2394	S71+S73+S23+S2+S9+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S126+S142	18.0
21	1599	S71+S73+S23+S2+S9+S74+S75+S53+S118+S132+S111+S81+S44+S97+S150+S45+S113+S46+S102+S141+S47+S142	18.0
22	2113	S71+S73+S23+S22+S74+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S141+S126+S142	18.0
23	812	S71+S73+S23+S2+S9+S74+S75+S53+S21+S57+S20+S112+S81+S44+S97+S150+S45+S113+S46+S102+S69+S127+S47+S142	18.0
24	678	S71+S73+S23+S22+S75+S53+S118+S12+S112+S81+S44+S97+S150+S151+S98+S49+S113+S46+S102+S141+S47+S142	18.1
25	2400	S71+S73+S23+S2+S9+S54+S53+S21+S57+S20+S112+S81+S44+S97+S150+S151+S98+S49+S113+S46+S102+S141+S47+S142	18.3

Note: The shading in Table A3.3-3 indicates the highest-ranking candidate corridors included in the LCFS Corridor.

Table 9-A3.3-4
Quantitative Considerations of the Four LNP 500-kV Transmission Lines
In a Single Alignment (Levy/Citrus Common Corridor) or in Multiple Alignments¹

Direction Exiting the LNP			Quantitative Assessment of Specific Criteria						
			Homes	Parcels	T&E Species	Upland Forest	Wetland Forest	Wetland Non-Forest	Conservation and Parks
Multiple Alignments	SOUTH	South ² in the Common Corridor and continue south to the 500/230-kV TL	57	584	1	579 ac	380 ac	187 ac	730 ac
	EAST	East past the Dunnellon Airport then south to the 500/230-kV TL ³	477	1212	4	2090 ac	875 ac	389 ac	3529 ac
	WEST #1	South in the Common Corridor to Barge Canal, west to US 19 area and then south to the 500/230-kV TL ⁴	77	421	2	634 ac	360 ac	167 ac	1004 ac
	WEST #2	West to US 19 area and then south to the 500/230-kV TL ⁵	282	990	2	835 ac	492 ac	114 ac	167 ac
Combined Alignments	SOUTH + EAST + WEST #1+WEST#2		893	3207	9	4138 ac	2108 ac	858 ac	5430 ac
	SOUTH + EAST + WEST #1		611	2217	7	3303 ac	1616 ac	743 ac	5263 ac
	SOUTH + EAST + WEST #2		816	2786	7	3504 ac	1747 ac	691 ac	4426 ac
Four LNP 500-kV Transmission Lines in a Single Alignment - SOUTH Only LEVY/CITRUS COMMON CORRIDOR			57	581	1	579 ac	380 ac	187 ac	730 ac

¹ These candidate corridor alternatives all connect the LNP to the closest existing PEF major transmission line right-of-way, the existing PEF 500/230-kV transmission line right-of-way originating at the CREC. All of these candidate corridors are one-half mile wide.

² **SOUTH** Segment numbers: S71+S73+S23+S22+S75+S53+S21+S57+S77

⁴ **WEST #1** Segment numbers: S71+S73+S23+S22+S74+S16+S349+S14+S6+S5

³ **EAST** Segment numbers: S71+S52+S72+S41+S42+S65+S147+S104

⁵ **WEST #2** Segment numbers: S19+S18+S360+S15+S368+S24+S374+S343+S117+S349+S14+S381+S353

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

ROADS		
Levy County	Affected Agency	Type of Approval
81ST TER	Levy County	Department of Public Works Review
CR 40	Levy County	Department of Public Works Review

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

ROADS

Citrus County	Affected Agency	Type of Approval
CR 39 (E WITHLACOCHEE TRAIL)	Citrus County	Right-of-Way Utilization
CR 488 (West Dunnellon)	Citrus County	Right-of-Way Utilization
CR 491 (N LECANTO HWY)	Citrus County	Right-of-Way Utilization
E BRADFORD LN	Citrus County	Right-of-Way Utilization
E CHESTNUT OAK CT	Citrus County	Right-of-Way Utilization
E CHUCK YEAGER PL	Citrus County	Right-of-Way Utilization
E CONROW LN	Citrus County	Right-of-Way Utilization
E HARTSHORN LN	Citrus County	Right-of-Way Utilization
E HOLDER LN	Citrus County	Right-of-Way Utilization
E KEIGHLEY LN	Citrus County	Right-of-Way Utilization
E SAND BAR LN	Citrus County	Right-of-Way Utilization
E SAND COVE LN	Citrus County	Right-of-Way Utilization
E SAND DUNE LN	Citrus County	Right-of-Way Utilization
E SANDY OAKS LN	Citrus County	Right-of-Way Utilization
E SPRUCE DR	Citrus County	Right-of-Way Utilization
E VICTORIA LN	Citrus County	Right-of-Way Utilization
E YORKSHIRE LN	Citrus County	Right-of-Way Utilization
N BERNZOTT PT	Citrus County	Right-of-Way Utilization
N BRUTUS AVE	Citrus County	Right-of-Way Utilization
N CAESAR PT	Citrus County	Right-of-Way Utilization
N CAMDEN TER	Citrus County	Right-of-Way Utilization
N CHARLA PT	Citrus County	Right-of-Way Utilization
N DADE PT	Citrus County	Right-of-Way Utilization
N DEER CT	Citrus County	Right-of-Way Utilization
N DORSEY PT	Citrus County	Right-of-Way Utilization
N DUNLAP TER	Citrus County	Right-of-Way Utilization
N EDELWEISS WAY	Citrus County	Right-of-Way Utilization
N EDNA PT	Citrus County	Right-of-Way Utilization
N ELKCAM BLVD	Citrus County	Right-of-Way Utilization
N ENCHANTMENT TER	Citrus County	Right-of-Way Utilization
N EWOK PT	Citrus County	Right-of-Way Utilization
N FAIRCHILD TER	Citrus County	Right-of-Way Utilization
N FAIRPORT AVE	Citrus County	Right-of-Way Utilization
N FLAYTON TER	Citrus County	Right-of-Way Utilization
N FORT SMITH TER	Citrus County	Right-of-Way Utilization
N FOUNTAINHEAD DR	Citrus County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

N FOXDALE DR Citrus County Right-of-Way Utilization

ROADS

Citrus County	Affected Agency	Type of Approval
N FREEPORT CIR	Citrus County	Right-of-Way Utilization
N GLACIER TER	Citrus County	Right-of-Way Utilization
N GLADSTONE DR	Citrus County	Right-of-Way Utilization
N GLENRIDGE CIR	Citrus County	Right-of-Way Utilization
N GRAYTON TER	Citrus County	Right-of-Way Utilization
N HARCROSS AVE	Citrus County	Right-of-Way Utilization
N HARTLEY PT	Citrus County	Right-of-Way Utilization
N HAZELWOOD DR	Citrus County	Right-of-Way Utilization
N IRELAND RD	Citrus County	Right-of-Way Utilization
N KENDRICK PATH	Citrus County	Right-of-Way Utilization
N LIME CT	Citrus County	Right-of-Way Utilization
N LIME DR	Citrus County	Right-of-Way Utilization
N LOCKWOOD WY	Citrus County	Right-of-Way Utilization
N LYNN PT	Citrus County	Right-of-Way Utilization
N NANTUCKET WAY	Citrus County	Right-of-Way Utilization
N NEAL TER	Citrus County	Right-of-Way Utilization
N PAVILION LP	Citrus County	Right-of-Way Utilization
N PRESTON PT	Citrus County	Right-of-Way Utilization
N RIM CT	Citrus County	Right-of-Way Utilization
N ROSS TER	Citrus County	Right-of-Way Utilization
N SANBORN LP	Citrus County	Right-of-Way Utilization
N SAND POINT TER	Citrus County	Right-of-Way Utilization
N SHALIMAR PT	Citrus County	Right-of-Way Utilization
N SMITH TER	Citrus County	Right-of-Way Utilization
N STEWARD PT	Citrus County	Right-of-Way Utilization
N SUGARSAND PATH	Citrus County	Right-of-Way Utilization
N SWAN PT	Citrus County	Right-of-Way Utilization
N TALLWOOD DR	Citrus County	Right-of-Way Utilization
N TILFORD PT	Citrus County	Right-of-Way Utilization
N TRAM RD	Citrus County	Right-of-Way Utilization
N VARSITY AVE	Citrus County	Right-of-Way Utilization
N WATERFALL TER	Citrus County	Right-of-Way Utilization
N WATERMAN DR	Citrus County	Right-of-Way Utilization
N WAYCROSS WAY	Citrus County	Right-of-Way Utilization
N WHISPERING OAK LP	Citrus County	Right-of-Way Utilization
N WILERY POST WAY	Citrus County	Right-of-Way Utilization

**Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors**

N WILLIAMS PT Citrus County Right-of-Way Utilization

ROADS

Citrus County	Affected Agency	Type of Approval
SW 80TH AVE	Citrus County	Right-of-Way Utilization
SW 85TH AVE	Citrus County	Right-of-Way Utilization
SW 90TH AVE	Citrus County	Right-of-Way Utilization
SW 95TH AVE	Citrus County	Right-of-Way Utilization
SW HWY 200	FDOT (District 7)	Utility
US 41 (N FLORIDA AVE)	FDOT (District 7)	Utility
W ABELINE DR	Citrus County	Right-of-Way Utilization
W ACORN CT	Citrus County	Right-of-Way Utilization
W AMMAN ST	Citrus County	Right-of-Way Utilization
W DARLINGTON DR	Citrus County	Right-of-Way Utilization
W GLENHAVEN LN	Citrus County	Right-of-Way Utilization
W GLENHAVEN LP	Citrus County	Right-of-Way Utilization
W GOLDCOAST ST	Citrus County	Right-of-Way Utilization
W GONDOLIER PL	Citrus County	Right-of-Way Utilization
W HOMEWAY LP	Citrus County	Right-of-Way Utilization
W PERCALE TER	Citrus County	Right-of-Way Utilization
W REDGATE DR	Citrus County	Right-of-Way Utilization
W RILEY DR	Citrus County	Right-of-Way Utilization
W SKYLINE DR	Citrus County	Right-of-Way Utilization
W TRACY CT	Citrus County	Right-of-Way Utilization
W WILMINGTON CIR	Citrus County	Right-of-Way Utilization
CR 488 (W DUNNELLON RD)	Citrus County	Right-of-Way Utilization
CR 495 (N CITRUS AVE)	Citrus County	Right-of-Way Utilization
N AMETHYST TER	Citrus County	Right-of-Way Utilization
N ANTHRACITE TER	Citrus County	Right-of-Way Utilization
N BEAD TREE PT	Citrus County	Right-of-Way Utilization
N BEECHTREE WAY	Citrus County	Right-of-Way Utilization
N BIRDSEYE CT	Citrus County	Right-of-Way Utilization
N BLACK OAK WAY	Citrus County	Right-of-Way Utilization
N BLACKTHORN AVE	Citrus County	Right-of-Way Utilization
N BLUE SPRUCE TER	Citrus County	Right-of-Way Utilization
N BONSAI AVE	Citrus County	Right-of-Way Utilization
N BOXTHORN TER	Citrus County	Right-of-Way Utilization
N BRIARPATCH AVE	Citrus County	Right-of-Way Utilization
N BROMELIAD TER	Citrus County	Right-of-Way Utilization
N BUGBEE PT	Citrus County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

N BULL TOWNSEND PT Citrus County Right-of-Way Utilization

ROADS

Citrus County	Affected Agency	Type of Approval
N CAVEWOOD AVE	Citrus County	Right-of-Way Utilization
N CORK FIR TER	Citrus County	Right-of-Way Utilization
N DAMASCUS AVE	Citrus County	Right-of-Way Utilization
N DAWNFLOWER AVE	Citrus County	Right-of-Way Utilization
N DAYLILY TER	Citrus County	Right-of-Way Utilization
N DIAMOND TER	Citrus County	Right-of-Way Utilization
N ELMTREE AVE	Citrus County	Right-of-Way Utilization
N FERNANDINA AVE	Citrus County	Right-of-Way Utilization
N GOLDENBELL WAY	Citrus County	Right-of-Way Utilization
N GOLDFEAF PT	Citrus County	Right-of-Way Utilization
N GRAVEL TER	Citrus County	Right-of-Way Utilization
N HUNTERHILL ST	Citrus County	Right-of-Way Utilization
N IRA MARTIN AVE	Citrus County	Right-of-Way Utilization
N JADE TER	Citrus County	Right-of-Way Utilization
N JASPER TER	Citrus County	Right-of-Way Utilization
N KHYBER AVE	Citrus County	Right-of-Way Utilization
N KIDARE TER	Citrus County	Right-of-Way Utilization
N LISBON PT	Citrus County	Right-of-Way Utilization
N MAPLE AVE	Citrus County	Right-of-Way Utilization
N MONAGHAN TER	Citrus County	Right-of-Way Utilization
N MYAKA AVE	Citrus County	Right-of-Way Utilization
N OAKFIELD PT	Citrus County	Right-of-Way Utilization
N ODYSSEY DR	Citrus County	Right-of-Way Utilization
N PARAQUA CIR	Citrus County	Right-of-Way Utilization
N PERIDOT TER	Citrus County	Right-of-Way Utilization
N SAN JUAN TER	Citrus County	Right-of-Way Utilization
N SHANNON AVE	Citrus County	Right-of-Way Utilization
N VELVETEEN PT	Citrus County	Right-of-Way Utilization
W ACACIA DR	Citrus County	Right-of-Way Utilization
W ANNA MARIE CT	Citrus County	Right-of-Way Utilization
W BELFAST ST	Citrus County	Right-of-Way Utilization
W BELVOIR LN	Citrus County	Right-of-Way Utilization
W BLUE ROCK CT	Citrus County	Right-of-Way Utilization
W BLUEBELL DR	Citrus County	Right-of-Way Utilization
W CHARLYNN LN	Citrus County	Right-of-Way Utilization
W CHECKERBERRY DR	Citrus County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

W COCKSCOMB DR Citrus County Right-of-Way Utilization

ROADS

Citrus County	Affected Agency	Type of Approval
W CORNFLOWER DR	Citrus County	Right-of-Way Utilization
W DEODAR ST	Citrus County	Right-of-Way Utilization
W DIAMOND T LN	Citrus County	Right-of-Way Utilization
W DRAGONHEAD DR	Citrus County	Right-of-Way Utilization
W DUBLIN ST	Citrus County	Right-of-Way Utilization
W DUNDERRY PL	Citrus County	Right-of-Way Utilization
W FIG TREE LN	Citrus County	Right-of-Way Utilization
W GALWAY LN	Citrus County	Right-of-Way Utilization
W GEM ST	Citrus County	Right-of-Way Utilization
W GILIA LN	Citrus County	Right-of-Way Utilization
W HEATH CT	Citrus County	Right-of-Way Utilization
W KERRY LN	Citrus County	Right-of-Way Utilization
W KILLARNEY LN	Citrus County	Right-of-Way Utilization
W LEAFY LN	Citrus County	Right-of-Way Utilization
W LIMERICK LN	Citrus County	Right-of-Way Utilization
W LODESTONE LN	Citrus County	Right-of-Way Utilization
W MAPLE OAK CT	Citrus County	Right-of-Way Utilization
W NATHANS PT	Citrus County	Right-of-Way Utilization
W POWER LINE ST	Citrus County	Right-of-Way Utilization
W RIVERWOOD DR	Citrus County	Right-of-Way Utilization
W SULA LN	Citrus County	Right-of-Way Utilization
W TARA RD	Citrus County	Right-of-Way Utilization
W WAUCHULA DR	Citrus County	Right-of-Way Utilization
W WILDFLOWER ST	Citrus County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

ROADS

Marion County	Affected Agency	Type of Approval
CR 39 (E WITHLACOCHEE TRAIL)	Marion County	Right-of-Way Utilization
E NUGGET PASS PL	Marion County	Right-of-Way Utilization
E SPRUCE DR	Marion County	Right-of-Way Utilization
MARION OAKS LN	Marion County	Right-of-Way Utilization
MARION OAKS PASS	Marion County	Right-of-Way Utilization
N PISTOL PT	Marion County	Right-of-Way Utilization
SR 200	FDOT (District 5)	Utility
SW 100TH AVE	Marion County	Right-of-Way Utilization
SW 105TH AVE	Marion County	Right-of-Way Utilization
SW 110TH AVE	Marion County	Right-of-Way Utilization
SW 115TH AVE	Marion County	Right-of-Way Utilization
SW 117TH CT	Marion County	Right-of-Way Utilization
SW 119TH CT	Marion County	Right-of-Way Utilization
SW 120TH AVE	Marion County	Right-of-Way Utilization
SW 145TH ST	Marion County	Right-of-Way Utilization
SW 146TH PL	Marion County	Right-of-Way Utilization
SW 147TH LN	Marion County	Right-of-Way Utilization
SW 147TH LOOP	Marion County	Right-of-Way Utilization
SW 148TH LN	Marion County	Right-of-Way Utilization
SW 149TH LANE RD	Marion County	Right-of-Way Utilization
SW 149TH LN	Marion County	Right-of-Way Utilization
SW 150TH LN	Marion County	Right-of-Way Utilization
SW 150TH PL	Marion County	Right-of-Way Utilization
SW 150TH ST	Marion County	Right-of-Way Utilization
SW 151ST LN	Marion County	Right-of-Way Utilization
SW 151ST LOOP	Marion County	Right-of-Way Utilization
SW 151ST PL	Marion County	Right-of-Way Utilization
SW 152ND LANE RD	Marion County	Right-of-Way Utilization
SW 152ND PL	Marion County	Right-of-Way Utilization
SW 152ND ST	Marion County	Right-of-Way Utilization
SW 153RD LANE RD	Marion County	Right-of-Way Utilization
SW 153RD PLACE RD	Marion County	Right-of-Way Utilization
SW 155TH PL	Marion County	Right-of-Way Utilization
SW 155TH ST	Marion County	Right-of-Way Utilization
SW 155TH STREET RD	Marion County	Right-of-Way Utilization
SW 157TH LN	Marion County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

SW 158TH LN Marion County Right-of-Way Utilization

ROADS

Marion County	Affected Agency	Type of Approval
SW 160TH PL	Marion County	Right-of-Way Utilization
SW 160TH ST	Marion County	Right-of-Way Utilization
SW 161ST LN	Marion County	Right-of-Way Utilization
SW 161ST PL	Marion County	Right-of-Way Utilization
SW 163RD STREET RD	Marion County	Right-of-Way Utilization
SW 164TH ST	Marion County	Right-of-Way Utilization
SW 165TH PL	Marion County	Right-of-Way Utilization
SW 166TH LOOP	Marion County	Right-of-Way Utilization
SW 169TH LANE RD	Marion County	Right-of-Way Utilization
SW 169TH PLACE RD	Marion County	Right-of-Way Utilization
SW 170TH STREET RD	Marion County	Right-of-Way Utilization
SW 172ND PLACE RD	Marion County	Right-of-Way Utilization
SW 177TH ST	Marion County	Right-of-Way Utilization
SW 179TH PL	Marion County	Right-of-Way Utilization
SW 32ND CIR	Marion County	Right-of-Way Utilization
SW 39TH CT	Marion County	Right-of-Way Utilization
SW 41ST AVE	Marion County	Right-of-Way Utilization
SW 41ST CIR	Marion County	Right-of-Way Utilization
SW 43RD CIR	Marion County	Right-of-Way Utilization
SW 44TH CIR	Marion County	Right-of-Way Utilization
SW 44TH TER	Marion County	Right-of-Way Utilization
SW 45TH TERRACE RD	Marion County	Right-of-Way Utilization
SW 47TH COURT RD	Marion County	Right-of-Way Utilization
SW 50TH AVE	Marion County	Right-of-Way Utilization
SW 54TH COURT RD	Marion County	Right-of-Way Utilization
SW 54TH COURT RD	Marion County	Right-of-Way Utilization
SW 54TH TERRACE RD	Marion County	Right-of-Way Utilization
SW 55TH AVENUE RD	Marion County	Right-of-Way Utilization
SW 55TH COURT RD	Marion County	Right-of-Way Utilization
SW 56TH AVE	Marion County	Right-of-Way Utilization
SW 57TH TERRACE RD	Marion County	Right-of-Way Utilization
SW 58TH TER	Marion County	Right-of-Way Utilization
SW 59TH AVENUE RD	Marion County	Right-of-Way Utilization
SW 59TH CT	Marion County	Right-of-Way Utilization
SW 60TH AVE	Marion County	Right-of-Way Utilization
SW 60TH CIR	Marion County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

SW 60TH CT	Marion County	Right-of-Way Utilization
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ROADS

Marion County	Affected Agency	Type of Approval
SW 65TH AVE	Marion County	Right-of-Way Utilization
SW 65TH AVENUE RD	Marion County	Right-of-Way Utilization
SW 65TH TERRACE RD	Marion County	Right-of-Way Utilization
SW 66TH AVENUE RD	Marion County	Right-of-Way Utilization
SW 70TH AVE	Marion County	Right-of-Way Utilization
SW 71ST AVENUE RD	Marion County	Right-of-Way Utilization
SW 72ND CIR	Marion County	Right-of-Way Utilization
SW 74TH CT	Marion County	Right-of-Way Utilization
SW 75TH AVE	Marion County	Right-of-Way Utilization
SW 77TH AVE	Marion County	Right-of-Way Utilization
SW 78TH CIR	Marion County	Right-of-Way Utilization
SW 79TH TERRACE RD	Marion County	Right-of-Way Utilization

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

ROADS		
Sumter County	Affected Agency	Type of Approval
C-44A	Sumter County	Utility
C-468 E	Wildwood/Sumter County	Department of Public Works Review/Utility
C-475 N	Sumter County	Utility
CLAY DRAIN RD	Wildwood	Department of Public Works Review
CR 181	Wildwood/Sumter County	Department of Public Works Review/Utility
CR 213 (WALKER RD)	Wildwood/Sumter County	Department of Public Works Review /Utility
CR 219	Sumter County	Utility
CR 225	Sumter County	Utility
CR 229	Sumter County	Utility
CR 231	Sumter County	Utility
CR 232A	Sumter County	Utility
CR 501	Wildwood	Department of Public Works Review
CR 502	Sumter County	Utility
CR 504	Sumter County	Utility
CR 507	Sumter County	Utility
CR 511A	Sumter County	Utility
CYPRESS DR	Wildwood	Department of Public Works Review
E SR 44	FDOT (District 5)	Utility
FLORIDA TPK (SR 91)	FDOT	Utility
HOLLY HILL DR	Wildwood	Department of Public Works Review
I-75 (SR 93)	FDOT (District 5)	Utility
INDUSTRIAL DR	Wildwood	Department of Public Works Review
NE 25TH ST	Sumter County	Utility
NE 42ND LP	Sumter County	Utility
NE 43RD ST	Sumter County	Utility
NE 44TH WAY	Sumter County	Utility
NE 45TH PL	Sumter County	Utility
NE 46TH TRL	Sumter County	Utility
NE 47TH TER	Sumter County	Utility
NE 49TH BLVD	Sumter County	Utility
NE 7TH DR	Sumter County	Utility
NE 7TH TER	Sumter County	Utility
NE 84TH PL	Sumter County	Utility
NE 87TH RD	Sumter County	Utility
NE 8TH PATH	Sumter County	Utility

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

NE 8TH WAY	Sumter County	Utility
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ROADS

Sumter County	Affected Agency	Type of Approval
NE 90TH AVE	Sumter County	Utility
NE 9TH TER	Sumter County	Utility
NW 102ND BLVD	Sumter County	Utility
NW 87TH RD	Sumter County	Utility
SPRING LAKE RD	Wildwood	Department of Public Works Review
SUNSET DR	Wildwood	Department of Public Works Review
SYCAMORE DR	Wildwood	Department of Public Works Review
US 301/FLORIDA TPK (S MAIN ST)	Wildwood/FDOT (District 5)	Department of Public Works Review/Utility
WISTERIA DR	Wildwood	Department of Public Works Review

Table 9-A3.3-5
Easement, Title, and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
500-kV LCFS Corridors

ROADS

Lake County	Affected Agency	Type of Approval
FLORIDA TPK (SR 91)	FDOT	Utility

GOVERNMENTAL JURISDICTIONS

Public Lands	Affected Agency	Type of Approval
Cross Florida Greenway	FDEP	Easement
Withlacoochee River	ACOE and FDEP	Section 10 Permit and Consent of Use
Withlacoochee State Trail	FDEP	Easement
Withlacoochee State Forest	FDACS Division of Forestry	Easement
Halpata Tastanaki Preserve	SWFWMD	Easement
Ross Prairie State Forest	FDACS Division of Forestry	Easement
Buddy Risher Sports Complex	Levy County	Easement
Central Ridge District Park	Citrus County	Easement
Cross Florida Barge Canal	ACOE and FDEP	Section 10 Permit and Consent of Use

**Table 9-A3.3-6
Land Use and Habitats
500-kV LCFS Corridor**

FLUCCS Code	Description	Acreage
<u>LAND USE</u>		
110	Residential, Low Density	2,237.12
120	Residential, Medium Density	6.33
130	Residential, High Density	55.66
140	Commercial and Services	179.09
150	Industrial	108.20
155	Other Light Industrial	3.71
160	Extractive	<0.01
166	Holding Ponds	0.65
170	Institutional	17.10
180	Recreational	58.11
214	Row Crops	116.49
215	Field Crops	6.22
240	Nurseries and Vineyards	4.64
250	Specialty Farms	22.62
810/814	Transportation/Roads and Highways	557.13
830/832	Utilities/Electrical Power Transmission Lin	1,396.89
	TOTAL ACREAGE	4,769.96
<u>UPLAND HABITATS</u>		
190	Open Land	169.21
211	Improved Pastures	5,700.41
260	Other Open Lands (Rural)	263.68
320	Shrub and Brushland	59.15
330	Mixed Rangeland	123.57
411	Pine Flatwoods	87.05
412	Longleaf Pine-Xeric Oak	507.65
413	Sand Pine	166.83
421	Xeric Oak	268.84
427	Live Oak	188.83
434	Hardwood-Conifer Mixed	2,873.35
441	Coniferous Plantations	1,320.09
740	Disturbed Lands	59.71
	TOTAL ACREAGE	11,788.38
<u>AQUATIC HABITATS</u>		
510	Streams and Waterways	68.58
520	Lakes	66.70
530	Reservoirs	69.28
	TOTAL ACREAGE	204.57

Table 9-A3.3-6
Land Use and Habitats
500-kV LCFS Corridor

WETLAND HABITATS

615	Streams and Lake Swamps (Bottomland)	831.63
617	Mixed Wetland Hardwoods	11.73
621	Cypress	186.06
630	Wetland Forested Mixed	260.12
631	Wetland Scrub	35.57
641	Freshwater Marshes	650.68
643	Wet Prairies	234.14
653	Intermittent Ponds	19.38
TOTAL ACREAGE		2,229.31

TOTAL ACREAGE IN 500-kV LCFS CORRIDOR 18,992.22

Table 9-A3.3-7
Important Plant Species Reported in Citrus, Lake, Levy, Marion, and Sumter Counties that can Reasonably be Expected to Occur
500-kV LCFS Corridor

Scientific Name	Common Name	Status			Probability of Occurrence in 500-kV LCFS Primary and Typical Habitat
		Federal	State		
<i>Adiantum tenerum</i>	Brittle Maidenhair Fern	N	E	Low	Limestone outcrops, grottoes, sinkholes
<i>Agrimonia incisa</i>	Incised Groove-bur	N	E	High	Sandhills and scrub
<i>Arnoglossum diversifolium</i>	Variable-leaved Indian-plantain	N	T	High	Freshwater and riparian habitats
<i>Asplenium erosum</i>	Auricled Spleenwort	N	E	High	Pinelands
<i>Asplenium pumilum</i>	Dwarf Spleenwort	N	E	High	Pinelands
<i>Asplenium verecundum</i>	Modest Spleenwort	N	E	Low	Rockland hammocks, limestone outcrops, grottoes, sinkholes
<i>Blechnum occidentale</i>	Sinkhole Fern	N	E	High	Moist woodlands, hammocks, rocky creek banks, woodlands with open shade
<i>Bonamia grandiflora</i>	Florida Bonamia	T	E	High	Openings or disturbed areas in white sand scrub
<i>Calamintha ashei</i>	Ashe's Savory	N	T	High	Sandhills and scrub
<i>Carex chapmanii</i>	Chapman's Sedge	N	E	High	Grasslands, pinelands
<i>Centrosema arenicola</i>	Sand Butterfly Pea	N	E	High	Sandhill, scrubby flatwoods, dry upland woods
<i>Cheilanthes microphylla</i>	Southern Lip Fern	N	E	Low	Coastal habitats
<i>Chionanthus pygmaeus</i>	Pygmy Fringe Tree	E	E	High	Scrub, sandhill, and xeric hammock
<i>Clitoria fragrans</i>	Scrub Pigeon-wing	T	E	High	Turkey oak barrens with wire grass, bluejack and turkey oak; also scrub and scrubby high pine
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	N	T	High	Freshwater habitats
<i>Dicerandra cornutissima</i>	Longspurred Mint	E	E	Observed by FNAI	Sand pine and oak scrub
<i>Drosera intermedia</i>	Spoon-leaved Sundew	N	T	High	Freshwater habitats
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub Buckwheat	T	E	High	Sandhill, oak-hickory scrub
<i>Euphorbia commutata</i>	Wood Spurge	N	E	High	Riparian habitats
<i>Forestiera godfreyi</i>	Godfrey's Swampprivet	N	E	Moderate	Upland hardwood forests with limestone at or near the surface, often on slopes above lakes and rivers
<i>Glandularia maritima</i>	Coastal Vervain	N	E	Low	Back dunes, dune swales, coastal hammocks
<i>Glandularia tampensis</i>	Tampa Vervain	N	E	Moderate	Live oak-cabbage palm hammocks and pine-palmetto flatwoods
<i>Hartwrightia floridana</i>	Hartwrightia	N	T	High	Seepage slopes, edges of baygalls and springheads, wet prairies, flatwoods
<i>Hasteola robertiorum</i>	Florida Hasteola	N	E	High	Saturated, peaty soils of river and creek floodplain swamps; hydric hammocks with cabbage palm, cypress, or hardwood canopy
<i>Illicium parviflorum</i>	Star Anise	N	E	High	Banks of spring-run or seepage streams, bottomland forest, hydric hammock, and baygall
<i>Justicia cooleyi</i>	Cooley's Water-willow	E	E	Moderate	Mesic hardwood hammocks over limestone
<i>Leitneria floridana</i>	Corkwood	N	T	Moderate	Edges of marshy openings and along small drainages in coastal hydric hammocks; fresh or tidal marshes
<i>Litsea aestivalis</i>	Pondspice	N	E	High	Edges of baygalls, flatwoods ponds, and cypress domes. May form thickets around edges of ponds
<i>Matelea floridana</i>	Florida Spiny-pod	N	E	High	Pinelands, temperate forests

Table 9-A3.3-7
Important Plant Species Reported in Citrus, Lake, Levy, Marion, and Sumter Counties that can Reasonably be Expected to Occur
500-kV LCFS Corridor

Scientific Name	Common Name	Status			Probability of Occurrence in 500-kV LCFS Primary and Typical Habitat
		Federal	State		
<i>Monotropa hypopithys</i>	Pinesap	N	E	High	Temperate forests
<i>Monotropis reynoldsiae</i>	Pygmy Pipes	N	E	High	Upland mixed hardwood forest, mesic and xeric hammock, sand pine and oak scrub
<i>Najas filifolia</i>	Narrowleaf Naiad	N	T	High	Freshwater habitats
<i>Nemastylis floridana</i>	Celestial Lily	N	E	High	Freshwater habitats
<i>Nolina atopocarpa</i>	Florida Beargrass	N	T	High	Grasslands, pinelands
<i>Nolina brittoniana</i>	Britton's Beargrass	E	E	High	Scrub, sandhill, scrubby flatwoods, and xeric hammock
<i>Parnassia grandifolia</i>	Large-leaved Grass-of-	N	E	High	Seepage slopes, wet prairies, edges of cypress strands
<i>Pecluma dispersa</i>	Widespread Polypody	N	E	Moderate	Tree branches and limestone outcrops in dry hammocks
<i>Pecluma plumula</i>	Plume Polypody	N	E	High	Tree branches or limestone in hammocks, wet woods, and limesinks
<i>Pecluma ptilodon</i>	Swamp Plume Polypody	N	E	Moderate	Rockland hammocks, strand swamps, wet woods
<i>Peperomia humilis</i>	Terrestrial Peperomia	N	E	Moderate	Shell mounds and limestone outcrops in mesic hammocks, coastal berms, cypress swamps
<i>Phyllanthus leibmannianus</i> ssp. <i>platylepis</i>	Pinewood Dainties	N	E	High	Hydric hammocks, floodplain and bottomland forests
<i>Polygala lewtonii</i>	Lewton's Polygala	E	E	High	Oak scrub, sandhill
<i>Polygonella myriophylla</i>	Small's Jointweed	E	E	High	Open, sandy areas within scrub
<i>Prunus geniculata</i>	Scrub Plum	E	E	High	Sandhill and oak scrub
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	N	T	High	Pinelands, sandhills, scrub
<i>Pteroglossaspis ecristata</i>	Giant Orchid	N	T	High	Sandhill, scrub, pine flatwoods, pine rocklands
<i>Rudbeckia triloba</i> var. <i>pinnatiloba</i>	Pinnate-lobed Coneflower	N	E	High	Freshwater habitats, grasslands, pinelands
<i>Salix floridana</i>	Florida Willow	N	E	Moderate	Springheads, edges of spring runs, hydric hammocks, floodplains
<i>Sideroxylon alachuense</i>	Silver Buckthorn	N	E	Moderate	Upland hardwood forests around limesinks
<i>Sideroxylon lycioides</i>	Buckthorn	N	E	Moderate	Wooded slopes, floodplains, and bluffs
<i>Spigelia loganioides</i>	Pinkroot	N	E	High	Floodplain forests, upland and hydric hardwood hammocks over limestone
<i>Spiranthes polyantha</i>	Green Ladies'-tresses	N	E	Low	Rock outcrops in mesic hammock, rockland hammock, maritime hammock
<i>Stylisma abdita</i>	Scrub Stylisma	N	E	High	Pinelands, sandhills, scrub
<i>Thelypteris reptans</i>	Creeping Maiden Fern	N	E	Low	Limestone grottoes and sinkholes
<i>Trichomanes punctatum</i> ssp. <i>floridanum</i>	Florida Filmy Fern	N	E	Low	Rock outcrops
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	N	E	Moderate	Mesic hardwood hammocks
<i>Vicia ocalensis</i>	Ocala Vetch	N	E	Moderate	Open, wet thickets along margins of spring runs and streams
<i>Warea amplexifolia</i>	Clasping Warea	E	E	High	Sandhill with longleaf pine and wiregrass
<i>Warea carteri</i>	Carter's Warea	E	E	High	Sandhill, scrubby flatwoods, scrub

Notes:
N = Not Listed
T = Threatened
E = Endangered

Source:
FNAI, FNAI Search, 2001
FNAI, FNAI Tracking List, 2008
SERPIN, 2008

Table 9-A3.3-8
Important Wildlife Species Reported in Citrus, Lake, Levy, Marion and Sumter Counties that can Reasonably be Expected to Occur
500-kV LCFS Corridor

Scientific Name	Common Name	Status				Probability of Occurrence in 500-kV LCFS Primary Corridor and Typical Habitat
		Federal	State	F.A.C. Rule 39-1		
FISH						
<i>Acantharchus pomotis</i>	Mud Sunfish	N	N	Game	High	Vegetated sloughs, lakes, and pools and backwaters of creeks and small to medium rivers
<i>Ambloplites ariommus</i>	Shadow Bass	N	N	Game	Medium	Brushy and vegetated, gravel-bottomed, sand-bottomed and mud-bottomed pools of creeks and small to medium rivers
<i>Centrarchus macropterus</i>	Flier	N	N	Game	High	Swamps, vegetated lakes, ponds, sloughs and backwaters and pools of creeks and small rivers
<i>Cichla ocellaris</i>	Peacock Bass	N	N	Game	Low	In rapids and quiet waters with medium depth and rocky substrates
<i>Lepomis auritus</i>	Redbreast Sunfish	N	N	Game	High	Rocky and sandy pools of creeks and small to medium rivers; rocky and vegetated lake margins
<i>Lepomis gulosus</i>	Warmouth	N	N	Game	High	Vegetated lakes, ponds, swamps, quiet water areas of streams
<i>Lepomis macrochirus</i>	Bluegill	N	N	Game	High	Lakes, ponds, reservoirs and sluggish streams
<i>Lepomis megalotis</i>	Longear Sunfish	N	N	Game	High	Dense vegetation in small lakes, ponds and slow moving rivers and streams
<i>Lepomis microlophus</i>	Redear Sunfish	N	N	Game	High	Ponds, swamps, lakes, small to medium rivers
<i>Lepomis punctatus</i>	Spotted Sunfish	N	N	Game	High	Heavily vegetated ponds, lakes, pools of creeks and small to medium rivers, and swamps
<i>Micropterus salmoides floridanus</i>	Black Bass	N	N	Game	High	Clear non-flowing waters of upper estuaries, rivers, lakes, reservoirs, and ponds
<i>Morone chrysops</i>	White Bass	N	N	Game	High	Lakes, ponds and pools of small to large rivers
<i>Morone chrysops x Morone saxatilis</i>	Sunshine Bass	N	N	Game	High	Lakes, ponds and pools of small to large rivers
<i>Morone saxatilis</i>	Striped Bass	N	N	Game	High	Rivers
<i>Pomoxis nigromaculatus</i>	Black Crappie	N	N	Game	High	Lakes, ponds, sloughs, and backwaters and pools of streams
AMPHIBIANS						
<i>Ambystoma cingulatum</i>	Frosted Flatwoods Salamander	T	SSC	N	High	Pine flatwoods, scattered wetlands
<i>Rana capito</i>	Gopher Frog	N	SSC	N	High	Sandhill and scrub with isolated wetlands or large ponds; commensal with gopher tortoises
REPTILES						
<i>Alligator mississippiensis</i>	American Alligator	T (SA)	SSC	N	High	Most permanent bodies of fresh water, including marshes, swamps, lakes, and rivers
<i>Drymarchon couperi</i>	Eastern Indigo Snake	T	T	N	Observed by Golder	Broad range of habitats, from scrub and sandhill to wet prairies and mangrove swamps; often commensal with gopher tortoises
<i>Gopherus polyphemus</i>	Gopher Tortoise	N	T	N	Observed by Golder and FNAI	Dry upland habitats, including sandhills, scrub, xeric oak hammock, and dry pine flatwoods; also pastures, old fields
<i>Neoseps reynoldsi</i>	Sand Skink	T	T	N	High	Rosemary scrub, sand pine and oak scrubs, scrubby flatwoods, turkey oak ridges within scrub, citrus groves occupying former scrub
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	N	SSC	N	Observed by FNAI	Sandhill, old fields and pastures, sand pine scrub, scrubby flatwoods; often commensal with gopher tortoises and pocket gophers
<i>Pseudemys concinna suwanniensis</i>	Suwannee Cooter	N	SSC	N	High	Rivers, large streams
<i>Stilosoma extenuatum</i>	Short-tailed Snake	N	T	N	High	Sandhill, xeric hammock, sand pine scrub
BIRDS						
<i>Anatidae</i> (family)	Geese, Ducks	N	N	Game	High	Freshwater marshes, lake margins, wet prairies
<i>Aphelocoma coerulescens</i>	Florida Scrub-jay	T	T	N	Observed by FNAI and Golder	Low-growing oak scrub habitat
<i>Aramus quarauna</i>	Limpkin	N	SSC	N	High	Freshwater marshes, swamps, springs, spring runs, pond, river, and lake margins
<i>Athene cunicularia floridana</i>	Florida Burrowing Owl	N	SSC	N	High	Dry prairie, sandhill, pastures

Table 9-A3.3-8
Important Wildlife Species Reported in Citrus, Lake, Levy, Marion and Sumter Counties that can Reasonably be Expected to Occur
500-kV LCFS Corridor

Scientific Name	Common Name	Status				Probability of Occurrence in 500-kV LCFS Primary Corridor and Typical Habitat
		Federal	State	F.A.C. Rule 39-1		
<i>Colinus virginianus</i>	Northern Bobwhite	N	N	Game	High	Brushy pastures, open woodlands
<i>Corvus spp.</i>	Crows	N	N	Game	High	Forested areas, pastures, suburban areas
<i>Egretta caerulea</i>	Little Blue Heron	N	SSC	N	Observed by FNAI	Freshwater lakes, marshes, swamps, and streams, cypress
<i>Egretta thula</i>	Snowy Egret	N	SSC	N	High	Wetlands, streams, lakes, and swamps, manmade impoundments, ditches
<i>Egretta tricolor</i>	Tricolored Heron	N	SSC	N	High	Wetlands, ditches, pond and lake edges, coastal areas
<i>Eudocimus albus</i>	White Ibis	N	SSC	N	High	Freshwater and brackish marshes, salt flats, forested wetlands, wet prairies, swales, man-made ditches
<i>Falco peregrinus</i>	Peregrine Falcon	N	E	N	High	Open land near rivers and lakes, suburban areas
<i>Falco sparverius paulus</i>	Southeastern American Kestrel	N	T	N	High	Open pine habitats, woodland edges, prairies, pastures
<i>Fulica americana</i>	American Coot	N	N	Game	High	Open ponds, marshes, coastal inlets, bays
<i>Gallinago gallinago</i>	Common Snipe	N	N	Game	High	Freshwater marshes, ponds, fields
<i>Gallinula chloropus</i>	Common Moorhen	N	N	Game	High	Freshwater marshes, ponds
<i>Grus canadensis pratensis</i>	Florida Sandhill Crane	N	T	N	High	Prairies, freshwater marshes, and pastures
<i>Haliaeetus leucocephalus</i>	Bald Eagle	N	T	N	Observed by Progress Energy	Coastal areas, bays, rivers, lakes, or other bodies of water
<i>Meleagris gallopavo osceola</i>	Florida Wild Turkey	N	N	Game	High	Oak woodlands, pine-oak forests
<i>Mycteria americana</i>	Wood Stork	E	E	N	High	Cypress strands and domes, mixed hardwood swamps
<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	SSC	N	High	Mature pine woodlands; present in Withlacoochee State Forest
<i>Platalea ajaja</i>	Roseate Spoonbill	N	SSC	N	High	Tidal flats, coastal and freshwater marshes
Rallidae (family)	Rails	N	N	Game	High	Freshwater marshes, coastal salt marshes, ditches
<i>Scolopax minor</i>	American Woodcock	N	N	Game	Moderate	Moist woodlands, thickets near open fields
<i>Zenaida asiatica</i>	White-winged Dove	N	N	Game	High	Open fields, shrubland, residential areas
<i>Zenaida macroura</i>	Mourning Dove	N	N	Game	High	Open fields, residential areas
MAMMALS						
<i>Canis latrans</i>	Coyote	N	N	Furbearer	High	Forested areas, pastures
<i>Didelphis virginiana</i>	Virginia Opossum	N	N	Furbearer	High	Forested uplands, forested wetlands, residential areas
<i>Lynx rufus</i>	Bobcat	N	N	Furbearer	High	Large forests, swamps, hammocks
<i>Lutra canadensis</i>	River Otter	N	N	Furbearer	High	Rivers, creeks, lakes, ponds, swamps
<i>Mephitis mephitis</i>	Striped Skunk	N	N	Furbearer	High	Brushy fields, weedy pastures, disturbed areas, residential areas
<i>Odocoileus virginianus</i>	White-tailed Deer	N	N	Game	High	Pine flatwoods, pine-oak forests, hammocks
<i>Peromyscus floridanus</i>	Florida Mouse	N	SSC	N	High	Xeric upland communities with sandy soils, including scrub, sandhill, and ruderal sites
<i>Procyon lotor</i>	Raccoon	N	N	Furbearer	High	Forested uplands, forested wetlands
<i>Sciurus carolinensis</i>	Eastern Gray Squirrel	N	N	Game	High	Forested uplands, urban areas
<i>Sciurus niger shermani</i>	Sherman's Fox Squirrel	N	SSC	N	High	Sandhills, pine flatwoods, pastures and other open, ruderal habitats with scattered pines and oaks
<i>Spilogale putorius</i>	Eastern Spotted Skunk	N	N	Furbearer	High	Brushy fields, weedy pastures, disturbed areas, residential areas
<i>Sylvilagus floridanus</i>	Eastern Cottontail	N	N	Game	High	Brushland, weed and briar patches, abandoned fields, areas fringing cultivated fields
<i>Sylvilagus palustris</i>	Marsh Rabbit	N	N	Game	High	Wet bottomlands, swamps, marshes, hammocks
<i>Trichechus manatus</i>	Manatee	E	E	N	High	Bays, rivers
<i>Ursus americanus floridanus</i>	Florida Black Bear	N	T	N	Low	Large areas of forested uplands, forested wetlands

Notes: Source:
N = Not Listed FNAI, FNAI Search, 2001
T = Threatened FNAI, FNAI Tracking List, 2008
E = Endangered
SSC = Species of Special Concern
T(SA) = Threatened due to similarity in appearance to a federally listed species
F.A.C. = Florida Administrative Code

Table 9-A3.5-1
Maximum Calculated EMF
500-kV LCFS Transmission Line^{1 & 2}

Right-of-Way (ROW) Configuration	Existing/New	ROW Width (ft)	Electric Field (kV/m)			Magnetic Field (mG)	
			Within ROW	Left Edge ³ of ROW	Right Edge ³ of ROW	Left Edge ³ of ROW	Right Edge ³ of ROW
Typical tangent steel H-frame with horizontal configuration on 220-ft right-of-way		220	9.0	1.30	1.30	96.73	96.73
Typical tangent steel monopole with delta configuration on 200-ft right-of-way		200	8.3	0.91	1.13	63.29	57.98
Typical tangent steel monopole with delta configuration; four lines on 670- to 1000-ft right-of-way		670 to 1000	8.3	0.84	0.98	92.47	98.73
Typical tangent steel H-frame with horizontal configuration; four lines on 670- to 1000-ft right-of-way		670 to 1000	9.0	1.36	1.36	122.68	122.60
Typical tangent steel H-frame with horizontal configuration on 435-ft right-of-way parallel to, and including, PEF existing 500/230- kV 295-ft right-of-way (New line on right side of ROW)	Existing	295	8.9	3.71	0.42	351.22	109.69
	New	435	9.0	3.71	1.35	343.94	87.43
Typical tangent steel monopole with delta configuration on 405-ft right-of-way parallel to, and including, PEF existing 500/230- kV 295-ft right-of-way (New line on right side of ROW)	Existing	295	8.9	3.71	0.42	351.22	109.69
	New	405	8.9	3.68	0.94	346.37	49.83
Florida EMF Rule limit for new 500-kV transmission line			10	2.00	2.00	200	200

¹ The Maximum Current Rating of the proposed 500-kV line is 3000 amperes per phase.

² Where calculations under this section indicate that operation of existing electrical facilities on an existing ROW produces electric or magnetic fields at levels higher than the limits specified for new facilities in rule 62-814.450, F.A.C., a new electrical facility may be constructed and operated on that existing ROW provided that the new facility does not increase the electric or magnetic fields above the maximum field values created by the existing lines. Rule 62-814.470(1)(c), F.A.C.

³ Left and right side of ROW looking towards LNP.

Table 9-A3.5-2
Maximum Calculated Audible Noise
500-kV LCFS Transmission Line

Right-of-Way Configuration	L ₅₀ *
	(dBA)
Typical tangent steel H-frame with horizontal configuration on 220-ft right-of-way	43
Typical tangent steel monopole with delta configuration on 200-ft right-of-way	42
Typical tangent steel monopole with delta configuration; four lines on 670- to 1000-ft right-of-way	46
Typical tangent steel H-frame with horizontal configuration; four lines on 670- to 1000-ft right-of-way	48
Typical tangent steel H-frame with horizontal configuration on 435-ft right-of-way parallel to, and including, PEF existing 500/230-kV 295-ft right-of-way (new line on right side of right-of-way)	49
Typical tangent steel monopole with delta configuration on 405-ft right-of-way parallel to, and including, PEF existing 500/230-kV 295-ft right-of-way (new line on right side of right-of-way)	49

*Maximum audible noise occurs during rain or other wet weather conditions.
Noise levels will be lower during dry weather conditions.
All calculated values are rounded up to the nearest whole number.