

Table 9-A6.3-1
Features Included on Regional Screening Maps
230-kV BBW 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 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 Registry of Historic Places

**Table 9-A6.3-2
Quantitative Evaluation Criteria
230-kV BBW 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-A6.3-3
Highest-Ranking Candidate Corridors
230- kV BBW Corridor

Ranking	Candidate Corridor	Corridor Segments	Total Score
1	7	S185+S188+S187	8.4
2	8	S91+S36+S397+S116+S159+S340	32.0
3	4	S185+S173+S186+S190+S183+S179+S187	38.9
4	5	S185+S173+S186+S190+S183+S191+S178	40.3
5	6	S185+S173+S186+S190+S189+S177+S178	40.9
6	1	S115+S299+S186+S190+S183+S179+S187	41.4
7	2	S115+S299+S186+S190+S183+S191+S178	42.8
8	3	S115+S299+S186+S190+S189+S177+S178	43.5

Note: The corridor that is in bold font is the BBW Corridor.

Table 9-A6.3-4
Easement, Title and Crossing Approvals Anticipated
to Be Required for Transmission Line Construction
230-kV BBW Corridor

ROADS		
Hernando County	Affected Agency	Type of Approval
ADAMS ST	Hernando County	Right-of-Way Utilization
ADMIRAL ST	Hernando County	Right-of-Way Utilization
ASHWOOD CT	Hernando County	Right-of-Way Utilization
BASIL ST	Hernando County	Right-of-Way Utilization
BRANCHVILLE RD	Hernando County	Right-of-Way Utilization
BREWSTER RD	Hernando County	Right-of-Way Utilization
BROOKRIDGE BLVD	Hernando County	Right-of-Way Utilization
CHAMBORD ST	Hernando County	Right-of-Way Utilization
CHARMEL ST	Hernando County	Right-of-Way Utilization
COASTAL BLVD	Hernando County	Right-of-Way Utilization
CONVENT GARDEN RD	Hernando County	Right-of-Way Utilization
COUNTRY CLUB DR	Hernando County	Right-of-Way Utilization
CROWELL RD	Hernando County	Right-of-Way Utilization
DELBARTON ST	Hernando County	Right-of-Way Utilization
DELSILVER DR	Hernando County	Right-of-Way Utilization
DENNISTON ST	Hernando County	Right-of-Way Utilization
ELECTRA AV	Hernando County	Right-of-Way Utilization
ESTER DR	Hernando County	Right-of-Way Utilization
GRANT ST	Hernando County	Right-of-Way Utilization
HARRISON ST	Hernando County	Right-of-Way Utilization
HOLLY HAMMOCK LN	Hernando County	Right-of-Way Utilization
IRVING ST	Hernando County	Right-of-Way Utilization
JACQUELINE RD	Hernando County	Right-of-Way Utilization
KEN AUSTIN PKWY	Hernando County	Right-of-Way Utilization
LEMON YELLOW TREE LN	Hernando County	Right-of-Way Utilization
MARINE DR	Hernando County	Right-of-Way Utilization
MONTOUR ST	Hernando County	Right-of-Way Utilization
MOON RD	Hernando County	Right-of-Way Utilization
NAVY DR	Hernando County	Right-of-Way Utilization
NEVILLE DR	Hernando County	Right-of-Way Utilization
PENDLETON ST	Hernando County	Right-of-Way Utilization
PINETOP RIDGE LN	Hernando County	Right-of-Way Utilization
PLUMERIA BLVD	Hernando County	Right-of-Way Utilization
SANDY DR	Hernando County	Right-of-Way Utilization
SCEPTER AV	Hernando County	Right-of-Way Utilization
SCRUB OAK LN	Hernando County	Right-of-Way Utilization
SEBASTIAN DR	Hernando County	Right-of-Way Utilization
SHADYDALE AV	Hernando County	Right-of-Way Utilization
SILVERBELL LP	Hernando County	Right-of-Way Utilization
SOUTHERN CHARM CIR	Hernando County	Right-of-Way Utilization
SR 50 (CORTEZ BLVD)	FDOT (District 7)	Utility
STAR RD	Hernando County	Right-of-Way Utilization
SUN RD	Hernando County	Right-of-Way Utilization
SUNSHINE GROVE RD	Hernando County	Right-of-Way Utilization
SWEET GUM RD	Hernando County	Right-of-Way Utilization
SWEETSHRUB CT	Hernando County	Right-of-Way Utilization
T P TRL	Hernando County	Right-of-Way Utilization
TAFT ST	Hernando County	Right-of-Way Utilization
TAYLOR ST	Hernando County	Right-of-Way Utilization
TRITON DR	Hernando County	Right-of-Way Utilization
TUNDRA DR	Hernando County	Right-of-Way Utilization
TWIN DOLPHIN DR	Hernando County	Right-of-Way Utilization
WEBSTER ST	Hernando County	Right-of-Way Utilization
ZAGNUT LN	Hernando County	Right-of-Way Utilization

Table 9-A6.3-5
Land Use and Habitats
230-kV BBW Corridor

FLUCCS Code	Description	Acreage
<u>LAND USE</u>		
110	Residential, Low Density	492.27
120	Residential, Medium Density	29.89
130	Residential, High Density	58.70
140	Commercial and Services	121.29
160	Extractive	19.43
170	Institutional	2.35
182	Golf Courses	0.37
193	Urban land in Transition	7.21
230	Feeding Operations	9.45
240	Nurseries and Vineyards	5.60
810	Transportation	12.33
830	Utilities	204.11
	TOTAL ACREAGE	963.02
<u>UPLAND HABITATS</u>		
211	Improved Pastures	77.73
412	Longleaf Pine-Xeric Oak	169.09
441	Coniferous Plantations	14.35
740	Disturbed Lands	18.72
	TOTAL ACREAGE	279.89
<u>WETLAND HABITATS</u>		
653	Intermittent Ponds	6.18
	TOTAL ACREAGE	6.18
TOTAL ACREAGE IN THE 230-kV CORRIDOR		1,249.09

Table 9-A6.3-6
Important Plant Species Reported in Hernando County That Can Reasonably Be Expected to Occur
230-kV BBW Corridor

Scientific Name	Common Name	Status				Probability of Occurrence in 230-kV BBW Corridor 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	Moderate	Sandhills and scrub	
<i>Asplenium erosum</i>	Auricled Spleenwort	N	E	Low	Pinelands	
<i>Asplenium pumilum</i>	Dwarf Spleenwort	N	E	Low	Pinelands	
<i>Blechnum occidentale</i>	Sinkhole Fern	N	E	Low	Moist woodlands, hammocks, rocky creek banks, woodlands with open shade	
<i>Campanula robsinsiae</i>	Brooksville Bellflower	E	E	Moderate	Drying pond edges and wet grassy slopes in the vicinity of Chinsegut Hill, Hernando County	
<i>Centrosema arenicola</i>	Sand Butterfly Pea	N	E	Moderate	Sandhill, scrubby flatwoods, dry upland woods	
<i>Coelorachis tuberculosa</i>	Piedmont Jointgrass	N	T	Low	Confined to karst areas along margins of shallow lakes and ponds or wet savanna swales	
<i>Justicia cooleyi</i>	Cooley's Water-willow	E	E	Low	Mesic hardwood hammocks over limestone	
<i>Lechea divaricata</i>	Pine Pinweed	N	E	High	Scrub and scrubby flatwoods	
<i>Monotropsis reynoldsiae</i>	Pygmy Pipes	N	E	Moderate	Upland mixed hardwood forest, mesic and xeric hammock, sand pine and oak scrub	
<i>Nolina brittonia</i>	Britton's Beargrass	E	E	Moderate	Scrub, sandhill, scrubby flatwoods, and xeric hammocks	
<i>Pecluma dispersa</i>	Widespread Polypody	N	E	Low	Rockland hammocks, strand swamps, wet woods	
<i>Pecluma plumula</i>	Plume Polypody	N	E	Low	Tree branches or limestone in hammocks, wet woods and limesinks	
<i>Peperomia humilis</i>	Terrestrial Peperomia	N	E	Low	Shell mounds and limestone outcrops in mesic hammocks, coastal berms, cypress swamps	
<i>Pteroglossaspis ecristata</i>	Giant Orchid	N	T	High	Sandhill, scrub, pine flatwoods, pine rocklands	
<i>Pycnanthemum floridanum</i>	Florida Mountain-mint	N	T	Low	Wet swales,/depressions in pine flatwoods; wet prairies, floodplain forest, typically in black sandy peat	
<i>Schizachyrium niveum</i>	Scrub bluestem	N	E	High	Pinelands, sandhills, scrub	
<i>Triphora craigheadii</i>	Craighead's Nodding-caps	N	E	Low	Mesic hardwood hammocks	

Notes:

N = Not Listed

T = Threatened

E = Endangered

Source:

FNAI, FNAI Search, 2001

FNAI, FNAI Tracking List, 2008

Nature Serve Explorer, 2008

SERPIN, 2008

Table 9-A6.3-7
Important Wildlife Species Reported in Hernando County That Can Reasonably Be Expected to Occur
230-kV BBW Corridor

230-kV BBW Corridor						
Scientific Name	Common Name	Status				Probability of Occurrence in 230-kV BBW Corridor and Typical Habitat
		Federal	State	F.A.C. Rule 39-1		
FISH						
<i>Acantharchus pomotis</i>	Mud Sunfish	N	N	Game	Low	Vegetated sloughs, lakes, and pools and backwaters of creeks and small to medium rivers
<i>Ambloplites ariommus</i>	Shadow Bass	N	N	Game	Low	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	Low	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	Low	Rocky and sandy pools of creeks and small to medium rivers; rocky and vegetated lake margins
<i>Lepomis gulosus</i>	Warmouth	N	N	Game	Low	Vegetated lakes, ponds, swamps, quiet water areas of streams
<i>Lepomis macrochirus</i>	Bluegill	N	N	Game	Low	Lakes, ponds, reservoirs and sluggish streams
<i>Lepomis megalotis</i>	Longear Sunfish	N	N	Game	Low	Dense vegetation in small lakes, ponds and slow moving rivers and streams
<i>Lepomis microlophus</i>	Redear Sunfish	N	N	Game	Low	Ponds, swamps, lakes, small to medium rivers
<i>Lepomis punctatus</i>	Spotted Sunfish	N	N	Game	Low	Heavily vegetated ponds, lakes, pools of creeks and small to medium rivers, and swamps
<i>Micropterus salmoides floridanus</i>	Black Bass	N	N	Game	Low	Clear non-flowing waters of upper estuaries, rivers, lakes, reservoirs, and ponds
<i>Morone chrysops</i>	White Bass	N	N	Game	Low	Lakes, ponds and pools of small to large rivers
<i>Morone chrysops</i> x <i>M. saxatilis</i>	Sunshine Bass	N	N	Game	Low	Lakes, ponds and pools of small to large rivers
<i>Morone saxatilis</i>	Striped Bass	N	N	Game	Low	Rivers
<i>Pomoxis nigromaculatus</i>	Black Crappie	N	N	Game	Low	Lakes, ponds, sloughs, and backwaters and pools of streams
AMPHIBIANS						
<i>Rana capito</i>	Gopher Frog	N	SSC	N	Low	Sandhill and scrub with isolated wetlands or large ponds; commensal with gopher tortoises
REPTILES						
<i>Alligator mississippiensis</i>	American Alligator	T (SA)	SSC	N	Moderate	Most permanent bodies of fresh water, including marshes, swamps, lakes, and rivers
<i>Drymarchon couperi</i>	Eastern Indigo Snake	T	T	N	High	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	High	Dry upland habitats, including sandhills, scrub, xeric oak hammock, and dry pine flatwoods; also pastures, old fields
<i>Pituophis melanoleucus mugitus</i>	Florida Pine Snake	N	SSC	N	High	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	Low	Rivers, large streams
<i>Stilosoma extenuatum</i>	Short-tailed Snake	N	T	N	Moderate	Sandhill, xeric hammock, sand pine scrub

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Scientific Name	Common Name	Status				Probability of Occurrence in230-kV BBW Corridor and Typical Habitat
		Federal	State	F.A.C. Rule 39-1		
BIRDS						
Anatidae (family)	Geese, Ducks	N	N	Game	Moderate	Freshwater marshes, lake margins, wet prairies
Aphelocoma coerulescens	Florida Scrub-jay	T	T	N	Low	Low-growing oak scrub habitat
Aramus guarana	Limpkin	N	SSC	N	Moderate	Mangroves, freshwater marshes, swamps, springs, spring runs, pond, river, and lake margins
Athene cunicularia floridana	Florida Burrowing Owl	N	SSC	N	Moderate	Dry prairie, sandhill; also pastures, parks, airports, right-of-ways, and residential areas
Colinus virginianus	Northern Bobwhite	N	N	Game	High	Brushy pastures, open woodlands
Corvus spp.	Crows	N	N	Game	High	Forested areas, pastures, suburban areas
Egretta caerulea	Little Blue Heron	N	SSC	N	Moderate	Freshwater lakes, marshes, swamps, streams, and roosts in cypress trees
Egretta thula	Snowy Egret	N	SSC	N	Moderate	Freshwater and coastal wetlands, streams, lakes, and swamps, manmade impoundments, ditches
Egretta tricolor	Tricolored Heron	N	SSC	N	Moderate	Wetlands, ditches, pond and lake edges, coastal areas
Eudocimus albus	White Ibis	N	SSC	N	Moderate	Freshwater and brackish marshes, salt flats, forested wetlands, wet prairies, swales, man-made ditches
Falco peregrinus	Peregrine Falcon	N	E	N	Moderate	Open land near rivers and lakes, suburban areas
Falco sparverius paulus	Southeastern American Kestrel	N	T	N	High	Open pine habitats, woodland edges, prairies, pastures
Fulica americana	American Coot	N	N	Game	Moderate	Open ponds, marshes, coastal inlets, bays
Gallinago gallinago	Common Snipe	N	N	Game	Moderate	Freshwater marshes, ponds, fields
Gallinula chloropus	Common Moorhen	N	N	Game	Moderate	Freshwater marshes, ponds
Grus canadensis pratensis	Florida Sandhill Crane	N	T	N	Moderate	Prairies, freshwater marshes, and pastures
Haliaeetus leucocephalus	Bald Eagle	N	T	N	Moderate	Coastal areas, bays, rivers, lakes, or other bodies of water
Meleagris gallopavo osceola	Florida Wild Turkey	N	N	Game	High	Oak woodlands, pine-oak forests
Mycteria americana	Wood Stork	E	E	N	Moderate	Cypress strands and domes, mixed forested wetlands, freshwater marshes, ponds, flooded pastures and ditches
Picoides borealis	Red-cockaded Woodpecker	E	SSC	N	Low	Mature (old growth) longleaf or slash pine forests
Platalea ajaja	Roseate Spoonbill	N	SSC	N	Low	Mangrove inlets/pools, marine tidal flats, coastal and freshwater sloughs
Rallidae (family)	Rails	N	N	Game	Moderate	Freshwater marshes, coastal salt marshes, ditches
Rynchops niger	Black Skimmer	N	SSC	N	Low	Coastal waters; also large lakes, phosphate pits, and flooded agricultural fields
Scolopax minor	American Woodcock	N	N	Game	Moderate	Moist woodlands, thickets near open fields
Zenaida asiatica	White-winged Dove	N	N	Game	High	Open fields, shrubland, residential areas
Zenaida macroura	Mourning Dove	N	N	Game	High	Open fields, residential areas
MAMMALS						
Canis latrans	Coyote	N	N	Furbearer	Moderate	Forested areas, pastures
Didelphis virginiana	Virginia Opossum	N	N	Furbearer	High	Forested uplands, forested wetlands, residential areas
Lynx rufus	Bobcat	N	N	Furbearer	Moderate	Large forests, swamps, hammocks
Lutra canadensis	River Otter	N	N	Furbearer	Low	Rivers, creeks, lakes, ponds, swamps
Mephitis mephitis	Striped Skunk	N	N	Furbearer	High	Brushy fields, weedy pastures, disturbed areas, residential areas
Odocoileus virginianus	White-tailed Deer	N	N	Game	High	Pine flatwoods, pine-oak forests, hammocks

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230-kV BBW Corridor

Scientific Name	Common Name	Status			Probability of Occurrence in 230-kV BBW Corridor and Typical Habitat	
		Federal	State	F.A.C. Rule 39-1		
<i>Podomys floridanus</i>	Florida Mouse	N	SSC	N	Moderate	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>Sorex longirostris eionis</i>	Homosassa Shrew	N	SSC	N	Moderate	Cypress and bay swamps, hydric hammocks, pine flatwoods, palmetto thickets, sandhills, scrub, and clear-cuts
<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	Moderate	Wet bottomlands, swamps, marshes, hammocks
<i>Ursus americanus floridanus</i>	Florida Black Bear	N	T	N	Low	Large areas of forested uplands, forested wetlands

Notes:
N = Not Listed
T = Threatened
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

Source:
FNAI, FNAI Search, 2001
FNAI, FNAI Tracking List, 2008
Nature Serve Explorer, 2008

Table 9-A6.5-1
Maximum Calculated EMF
230-kV BBW Transmission Line ^{1 & 2}

Right-of-Way (ROW) Configuration	New / Exist.	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 monopole with vertical configuration on 100-ft right-of-way		100	3.7	0.07	0.4	83.83	147.11
Typical tangent monopole with vertical configuration on 55-ft right-of-way parallel to public road		55	3.7	0.07	0.14	83.83	42.4
Typical tangent monopole with vertical configuration on 365-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	8.8	3.65	0.48	335.61	69.42
	New	365	8.8	3.64	0.37	333.09	140.4
Typical tangent V-string monopole with vertical configuration on 385-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	8.8	3.65	0.48	335.61	69.42
	New	385	8.8	3.63	0.14	331.73	94.18
Typical tangent monopole with vertical configuration and 115-kV underbuild on 100-ft right-of-way		100	1.0	0.08	0.33	74.02	49.59
Florida EMF Rule limit for new 230-kV transmission line			8	2.00	2.00	150	150

¹ The Maximum Current Rating of the proposed 230-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 toward LNP.

Table 9-A6.5-2
Maximum Calculated Audible Noise
For 230-kV BBW Transmission Line

Right-of-Way Configuration	L₅₀*
	(dBA)
Typical tangent monopole with vertical configuration on 100-ft right-of-way	39
Typical tangent monopole with vertical configuration on 55-ft right-of-way parallel to public road.	42
Typical tangent monopole with vertical configuration on 365-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 V-string monopole with vertical configuration on 385-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 monopole with vertical configuration and 115-kV underbuild on 100-ft right-of-way	37

*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.