

Attachment 3

Florida Power Corporation d/b/a Progress Energy Florida, Inc.

Levy Nuclear Plant Project

Transmission Line Florida Land Use , Cover and Forms Classification System Analysis

Land Use/Land Cover Summary of the BBW Transmission Line Preferred ROW					
FLUCFCS Code	Description	Approximate Acreage within ROW	Estimated Acreage of Impact		Estimated Clearing Acreage
			Temporary	Permanent	
140	Commercial and Services	0.75	0.12	0	0
211	Improved Pastures	3.58	0.42	0	0
212	Unimproved Pastures	8.69	0.46	0	0
814	Roads and Highways	1.15	0.05	0	0
831	Electric Power Facilities	0.19	0	0	0
TOTAL		14.36	1.05	0	0

Temporary – work areas to be used around structures during installation

Permanent – area where structure pad or access road will be installed

Clearing – conversion of forested area to herbaceous

Land Use/Land Cover Summary of the CB Transmission Line Preferred ROW					
FLUGFCS Code	Description	Approximate Acreage within ROW	Estimated Impact Acreage		Estimated Clearing Acreage
			Temporary	Permanent	
110	Residential, Low Density	2.10	0.85	0	0
190	Open Land	0.01	0	0	0
211	Improved Pastures	54.39	4.36	0	0
212	Unimproved Pastures	140.51	11.29	0	0
320	Shrub and Brushland	1.43	0.01	0	0
330	Mixed Rangeland	119.95	15.56	0	0
412	Longleaf Pine - Xeric Oak	2.82	0	0.26	0
414	Pine Mesic Oak	0.69	0	0.01	0
421	Xeric Oak	1.56	0	0	0
434	Hardwood - Conifer Mixed	2.54	0	0.07	0
534	Reservoirs <10 acres	0.83	0	0	0
641	Freshwater Marshes	4.01	0	0.20	0
643	Wet Prairies	0.73	0	0	0
812	Railroads	0.11	0	0	0
814	Roads and Highways	17.24	4.44	0	0
830	Utilities	0.15	0.12	0	0
831	Electric Power Facilities	0.70	0.49	0	0
833	Water Supply Plants	0.01	0	0	0
834	Sewage Treatment	0.03	0.02	0	0
TOTAL		349.81	37.14	0.54	0

Temporary – work areas to be used around structures during installation

Permanent – area where structure pad or access road will be installed

Clearing – conversion of forested area to herbaceous

Land Use/Land Cover Summary of the Common Route Transmission Line Preferred ROW					
FLUCFGS Code	Description	Approximate Acreage within ROW	Estimated Impact Acreage		Estimated Clearing Acreage
			Temporary	Permanent	
110	Residential, Low Density	2.11	0	0	0
190	Open Land	18.50	1.73	0	0
211	Improved Pastures	50.14	7.10	0	0
320	Shrub and Brushland	12.99	0.47	0	0
330	Mixed Rangeland	5.49	0.31	0	0
412	Longleaf Pine - Xeric Oak	35.55	0	3.67	31.87
427	Live Oak	6.73	0	0	6.73
434	Hardwood - Conifer Mixed	147.23	0	21.33	125.90
510	Streams and Waterways	7.97	0	0	0
511	Ditches	0.56	0	0	0
520	Lakes	1.19	0	0.29	0
621	Cypress	1.78	0	0.47	1.31
630	Wetland Forested Mixed	40.07	0	3.94	36.13
641	Freshwater Marshes	7.45	0	0.95	0
643	Wet Prairies	0.41	0	0	0
814	Roads and Highways	16.35	0.79	0	0
TOTAL		354.52	10.40	30.65	201.94

Temporary – work areas to be used around structures during installation

Permanent – area where structure pad or access road will be installed

Clearing – conversion of forested area to herbaceous

Land Use/Land Cover Summary of the LCFS Transmission Line Preferred ROW					
FLUCFCS Code	Description	Approximate Acreage within ROW	Estimated Impact Acreage		Estimated Clearing Acreage
			Temporary	Permanent	
110	Residential, Low Density	17.37	1.26	0	0
112	Mobile Home Units	1.11	0.19	0	0
130	Residential, High Density	0.76	0.09	0	0
140	Commercial and Services	0.21	0.10	0	0
148	Cemeteries	0.10	0	0	0
180	Recreational	0.34	0	0	0
211	Improved Pastures	342.87	53.16	0	0
212	Unimproved Pastures	32.59	8.15	0	0
213	Woodland Pastures	0.41	0	0	0
214	Row Crops	0.60	0.29	0	0
251	Horse Farms	2.30	0.32	0	0
320	Shrub and Brushland	2.94	0.68	0	0
321	Palmetto Prairies	0.38	0.10	0	0
330	Mixed Rangeland	9.63	1.02	0	0
411	Pine Flatwoods	5.50	0	0.69	4.81
412	Longleaf Pine - Xeric Oak	138.41	0	13.07	125.34
413	Sand Pine	29.88	0	2.10	27.78
421	Xeric Oak	30.69	0	3.17	27.52
427	Live Oak	10.57	0	1.10	9.47
434	Hardwood - Conifer Mixed	116.99	0	11.25	105.73
441	Coniferous Plantations	50.32	0	4.42	45.90
510	Streams and Waterways	0.53	0	0	0
511	Ditches	0.73	0	0.14	0
520	Lakes	1.11	0	0	0
534	Reservoirs < 10 acres	9.88	0	0	0
617	Mixed Wetland Hardwoods	0.81	0	0	0.81
618	Willow and Elderberry	0.55	0	0	0
625	Hydric Pine Flatwoods	0.26	0	0.04	0.18
630	Wetland Forested Mixed	27.35	0	1.82	24.28
631	Wetland Scrub	0.21	0	0	0
641	Freshwater Marshes	15.42	0	4.04	0
643	Wet Prairies	17.80	0	0.94	0
720	Sand other than Beaches	2.82	1.11	0	0
743	Spoil Areas	0.12	0	0	0
812	Railroads	0.48	0	0	0
814	Roads and Highways	29.33	1.36	0	0
831	Electric Power Facilities	1.14	0	0	0
TOTAL		902.51	67.83	42.78	371.82

Temporary – work areas to be used around structures during installation

Permanent – area where structure pad or access road will be installed

Clearing – conversion of forested area to herbaceous

Land Use/Land Cover Summary of the LCR Transmission Line Preferred ROW					
FLUCFCS Code	Description	Approximate Acreage within ROW	Estimated Impact Acreage		Estimated Clearing Acreage
			Temporary	Permanent	
212	Unimproved Pastures	25.55	2.06	0	0
254	Aquaculture	5.30	0.56	0	0
330	Mixed Rangeland	10.62	1.03	0	0
434	Hardwood – Conifer Mixed	40.87	0	3.80	37.07
511	Ditches	0.71	0	0.08	0
534	Reservoirs < 10 acres	0.48	0	0	0
617	Mixed Wetland Hardwoods	2.19	0	0.76	1.43
618	Willow and Elderberry	0.50	0	0	0
630	Wetland Forested Mixed	21.01	0	0.36	19.39
631	Wetland Scrub	2.04	0	0.34	0
641	Freshwater Marshes	13.50	0	0.42	0
643	Wet Prairies	1.77	0	0	0
812	Railroads	0.18	0	0	0
814	Roads and Highways	1.58	0	0	0
822	Communication Facilities	0.13	0.05	0	0
831	Electric Power Facilities	7.49	1.55	0	0
TOTAL		133.92	5.25	5.76	57.89

Temporary – work areas to be used around structures during installation
 Permanent – area where structure pad or access road will be installed
 Clearing – conversion of forested area to herbaceous

Progress Energy Florida – Levy Nuclear Plant

Land Use/Land Cover Summary of the PHP Transmission Line Preferred ROW					
FLUCFCS Code	Description	Approximate Acreage within ROW	Estimated Impact Acreage		Estimated Clearing Acreage
			Temporary	Permanent	
110	Residential, Low Density	32.90	9.03	0	0
120	Residential, Medium Density	15.70	3.28	0	0
130	Residential, High Density	6.14	1.76	0	0
140	Commercial and Services	1.96	0.25	0	0
150	Industrial	9.18	1.48	0	0
160	Extractive	1.10	0.32	0	0
170	Institutional	3.01	1.18	0	0
180	Recreational	2.26	0.51	0	0
182	Golf Courses	11.50	3.25	0	0
211	Improved Pastures	233.22	73.60	0	0
212	Unimproved Pastures	71.84	24.14	0	0
214	Row Crops	12.61	2.69	0	0
215	Field Crops	3.18	1.22	0	0
220	Tree Crops	0.11	0	0	0
221	Citrus Groves	10.75	2.72	0	0
224	Abandoned Groves	0.53	0.13	0	0
240	Nurseries and Vineyards	2.16	0.55	0	0
250	Specialty Farms	1.92	0.57	0	0
320	Shrub and Brushland	23.75	7.44	0	0
330	Mixed Rangeland	1.87	0.28	0	0
411	Pine Flatwoods	0.76	0	0.07	0
427	Live Oak	0.37	0	0	0
434	Hardwood – Conifer Mixed	1.95	0	0.53	0
441	Coniferous Plantations	0.33	0	0.06	0
510	Streams and Waterways	1.88	0	0.63	0
511	Ditches	4.35	0	0.96	0
523	Lakes > 10 acres	3.98	0	0	0
530	Reservoirs	1.92	0	0.58	0
533	Reservoirs >10 acres	0.56	0	0	0
534	Reservoirs <10 acres	14.79	0	0.31	0
615	Stream and Lake Swamps (Bottomland)	0.45	0	0	0
617	Mixed Wetland Hardwoods	0.18	0	0	0
618	Willow and Elderberry	2.00	0	0.20	0
621	Cypress	0.83	0	0.17	0.25
630	Wetland Forested Mixed	1.33	0	0.20	0.10
631	Wetland Scrub	22.84	0	8.17	0
641	Freshwater Marshes	84.69	0	19.7	0
643	Wet Prairies	8.31	0	1.2	0
743	Spoil Areas	0.32	0.10	0	0
747	Dikes and Levees	0.60	0.20	0	0
810	Railroads	0.36	0	0	0
814	Roads and Highways	22.57	4.0	0	0
831	Electric Power Facilities	0.37	0.28	0	0
833	Water Supply Plants	0.01	0	0	0
TOTAL		621.44	138.98	32.78	0.35

Temporary – work areas to be used around structures during installation
 Permanent – area where structure pad or access road will be installed
 Clearing – conversion of forested area to herbaceous