

**LICENSE RENEWAL APPLICATION
TURKEY POINT UNITS 3 & 4**

**APPENDIX A. NRC NEPA ISSUES FOR LICENSE
RENEWAL OF NUCLEAR POWER PLANTS**

Florida Power & Light Company (FPL) has prepared this *Applicant's Environmental Report - Operating License Renewal Stage; Turkey Point Units 3 and 4* in accordance with the requirements of U.S. Nuclear Regulatory Commission (NRC) regulation 10 CFR 51.53. The NRC included in the regulation a list of National Environmental Policy Act (NEPA) issues for license renewal of nuclear power plants. [Table A.1-1](#) lists these 92 issues and identifies where FPL addressed each issue in the Environmental Report. For expediency, FPL has assigned numbers to each issue and uses the issue numbers throughout the Environmental Report.

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**TABLE A.1-1
TURKEY POINT UNITS 3 & 4 ENVIRONMENTAL REPORT
DISCUSSION OF LICENSE RENEWAL NEPA ISSUES**

Issue ^a	Category ^a	Section of this Environmental Report
1. Impacts of refurbishment on surface water quality	1	4.0 Introduction
2. Impacts of refurbishment on surface water use	1	4.0 Introduction
3. Altered current patterns at intake and discharge structures	1	4.0 Introduction
4. Altered salinity gradients	1	4.0 Introduction
5. Altered thermal stratification of lakes	1	4.0 Introduction
6. Temperature effects on sediment transport capacity	1	4.0 Introduction
7. Scouring caused by discharged cooling water	1	4.0 Introduction
8. Eutrophication	1	4.0 Introduction
9. Discharge of chlorine or other biocides	1	4.0 Introduction
10. Discharge of sanitary wastes and minor chemical spills	1	4.0 Introduction
11. Discharge of other metals in waste water	1	4.0 Introduction
12. Water use conflicts (plants with once-through cooling systems)	1	4.0 Introduction
13. Water use conflicts (plants with cooling ponds or cooling towers using makeup water from a small river with low flow)	2	4.1
14. Refurbishment	1	4.0 Introduction
15. Accumulation of contaminants in sediments or biota	1	4.0 Introduction
16. Entrainment of phytoplankton and zooplankton	1	4.0 Introduction
17. Cold shock	1	4.0 Introduction
18. Thermal plume barrier to migrating fish	1	4.0 Introduction
19. Distribution of aquatic organisms	1	4.0 Introduction
20. Premature emergence of aquatic insects	1	4.0 Introduction
21. Gas supersaturation (gas bubble disease)	1	4.0 Introduction
22. Low dissolved oxygen in the discharge	1	4.0 Introduction
23. Losses from predation, parasitism, and disease among organisms exposed to sublethal stresses	1	4.0 Introduction
24. Stimulation of nuisance organisms (e.g., shipworms)	1	4.0 Introduction

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**TABLE A.1-1 (Cont'd)
TURKEY POINT UNITS 3 & 4 ENVIRONMENTAL REPORT
DISCUSSION OF LICENSE RENEWAL NEPA ISSUES**

Issue ^a	Category ^a	Section of this Environmental Report
25. Entrainment of fish and shellfish in early life stages for plants with once-through and cooling pond heat dissipation systems	2	4.2
26. Impingement of fish and shellfish for plants with once-through and cooling pond heat dissipation systems	2	4.3
27. Heat shock for plants with once-through and cooling pond heat dissipation systems	2	4.4
28. Entrainment of fish and shellfish in early life stages for plants with cooling-tower-based heat dissipation systems	1	4.0 Introduction
29. Impingement of fish and shellfish for plants with cooling-tower-based heat dissipation systems	1	4.0 Introduction
30. Heat shock for plants with cooling-tower-based heat dissipation systems	1	4.0 Introduction
31. Impacts of refurbishment on groundwater use and quality	1	4.0 Introduction
32. Groundwater use conflicts (potable and service water; plants that use < 100 gpm)	1	4.0 Introduction
33. Groundwater use conflicts (potable, service water, and dewatering; plants that use > 100 gpm)	2	4.5
34. Groundwater use conflicts (plants using cooling towers withdrawing makeup water from a small river)	2	4.6
35. Groundwater use conflicts (Ranney wells)	2	4.7
36. Groundwater quality degradation (Ranney wells)	1	4.0 Introduction
37. Groundwater quality degradation (saltwater intrusion)	1	4.0 Introduction
38. Groundwater quality degradation (cooling ponds in salt marshes)	1	4.0 Introduction
39. Groundwater quality degradation (cooling ponds at inland sites)	2	4.8
40. Refurbishment impacts to terrestrial resources	2	4.9
41. Cooling tower impacts on crops and ornamental vegetation	1	4.0 Introduction

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**TABLE A.1-1 (Cont'd)
TURKEY POINT UNITS 3 & 4 ENVIRONMENTAL REPORT
DISCUSSION OF LICENSE RENEWAL NEPA ISSUES**

Issue ^a	Category ^a	Section of this Environmental Report
42. Cooling tower impacts on native plants	1	4.0 Introduction
43. Bird collisions with cooling towers	1	4.0 Introduction
44. Cooling pond impacts on terrestrial resources	1	4.0 Introduction
45. Power line right-of-way management (cutting and herbicide application)	1	4.0 Introduction
46. Bird collisions with power lines	1	4.0 Introduction
47. Impacts of electromagnetic fields on flora and fauna (plants, agricultural crops, honeybees, wildlife, livestock)	1	4.0 Introduction
48. Floodplains and wetlands on power line right-of-way	1	4.0 Introduction
49. Threatened or endangered species	2	4.10
50. Air quality during refurbishment (non-attainment and maintenance areas)	2	4.11
51. Air quality effects of transmission lines	1	4.0 Introduction
52. Onsite land use	1	4.0 Introduction
53. Power line right-of-way land use impacts	1	4.0 Introduction
54. Radiation exposures to the public during refurbishment	1	4.0 Introduction
55. Occupational radiation exposures during refurbishment	1	4.0 Introduction
56. Microbiological organisms (occupational health)	1	4.0 Introduction
57. Microbiological organisms (public health)(plants using lakes or canals, or cooling towers or cooling ponds that discharge to a small river)	2	4.12
58. Noise	1	4.0 Introduction
59. Electromagnetic fields, acute effects (electric shock)	2	4.13
60. Electromagnetic fields, chronic effects	NA ^b	4.0 Introduction
61. Radiation exposures to public (license renewal term)	1	4.0 Introduction
62. Occupational radiation exposures (license renewal term)	1	4.0 Introduction
63. Housing impacts	2	4.14

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**TABLE A.1-1 (Cont'd)
TURKEY POINT UNITS 3 & 4 ENVIRONMENTAL REPORT
DISCUSSION OF LICENSE RENEWAL NEPA ISSUES**

Issue ^a	Category ^a	Section of this Environmental Report
64. Public services: public safety, social services, and tourism and recreation	1	4.0 Introduction
65. Public services: public utilities	2	4.15
66. Public services, education (refurbishment)	2	4.16
67. Public services, education (license renewal term)	1	4.0 Introduction
68. Offsite land use (refurbishment)	2	4.17.1
69. Offsite land use (license renewal term)	2	4.17.2
70. Public services, transportation	2	4.18
71. Historic and archaeological resources	2	4.19
72. Aesthetic impacts (refurbishment)	1	4.0 Introduction
73. Aesthetic impacts (license renewal term)	1	4.0 Introduction
74. Aesthetic impacts of transmission lines (license renewal term)	1	4.0 Introduction
75. Design basis accidents	1	4.0 Introduction
76. Severe accidents	2	4.20
77. Offsite radiological impacts (individual effects from other than the disposal of spent fuel and high level radioactive waste)	1	4.0 Introduction
78. Offsite radiological impacts (collective effects)	1	4.0 Introduction
79. Offsite radiological impacts (spent fuel and high level radioactive waste disposal)	1	4.0 Introduction
80. Nonradiological impacts of the uranium fuel cycle	1	4.0 Introduction
81. Low-level radioactive waste storage and disposal	1	4.0 Introduction
82. Mixed waste storage and disposal	1	4.0 Introduction
83. Onsite spent fuel	1	4.0 Introduction
84. Nonradiological waste	1	4.0 Introduction
85. Transportation	1	4.0 Introduction
86. Radiation doses (decommissioning)	1	4.0 Introduction
87. Waste management (decommissioning)	1	4.0 Introduction
88. Air quality (decommissioning)	1	4.0 Introduction
89. Water quality (decommissioning)	1	4.0 Introduction
90. Ecological resources (decommissioning)	1	4.0 Introduction

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**TABLE A.1-1 (Cont'd)
TURKEY POINT UNITS 3 & 4 ENVIRONMENTAL REPORT
DISCUSSION OF LICENSE RENEWAL NEPA ISSUES**

Issue ^a	Category ^a	Section of this Environmental Report
91. Socioeconomic impacts (decommissioning)	1	4.0 Introduction
92. Environmental justice	NA ^b	4.21

NEPA = National Environmental Policy Act

NOTES: a. Source: 10 CFR 51, Subpart A, Appendix B, Table B-1 (Issue numbers added to facilitate discussion).

b. Not applicable. Regulation does not categorize this issue.

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APPENDIX B. SPECIAL-STATUS SPECIES CORRESPONDENCE

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Letter, Hovey (FPL) to Hoffman (NMFS), September 7, 1999	B-15
Letter, Hogarth (NMFS) to Hovey (FPL), September 30, 1999	B-17
Letter, Hovey (FPL) to Lau (FWCC), September 7, 1999	B-18
Letter, Lau (FWCC) to Hovey (FPL), September 22, 1999	B-20

FPL = Florida Power & Light Company
FWCC = Florida Fish and Wildlife Conservation Commission
FWS = U.S. Fish and Wildlife Service
NMFS = National Marine Fisheries Service

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PTN-LR-99-057
September 7, 1999

Mr. Jay Slack
US Fish and Wildlife Service
P. O. Box 2676
Vero Beach, FL 32961-2676

Subject: Turkey Point Nuclear Plant
License Renewal Project
NRC Informal Consultation Preparation

Dear Mr. Slack:

Florida Power & Light Company (FPL) is preparing an application to renew the operating license for its Turkey Point Nuclear Plant and we intend the application to be consistent with your agency's interests and the priorities of our community. As part of the license renewal process, the Nuclear Regulatory Commission (NRC) requires that applicants identify adverse impacts to rare and endangered species resulting from continued operation of the facility or refurbishment activities associated with the license renewal. The operation of Turkey Point Nuclear Plant does not have an adverse impact on any rare and endangered species. In addition, there are no planned future operational or refurbishment activities that would invalidate this conclusion. The NRC will request an informal consultation from your agency on this matter.

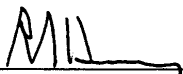
To assist you in responding to this request, I have enclosed a figure which depicts the Turkey Point Site and the associated transmission line corridors.

It is our intent that, by contacting you at this point in the process, we can identify any deficiencies, concerns, or data needed so that those areas identified can be addressed to ensure that the consultation process proceeds smoothly and efficiently.

We would appreciate it if you would provide your comments and any additional information or actions that might be required from FPL to expedite the upcoming consultation process.

If you have any comments or questions, please contact T. V. Abbatiello at (305) 246-6581.

Sincerely yours,



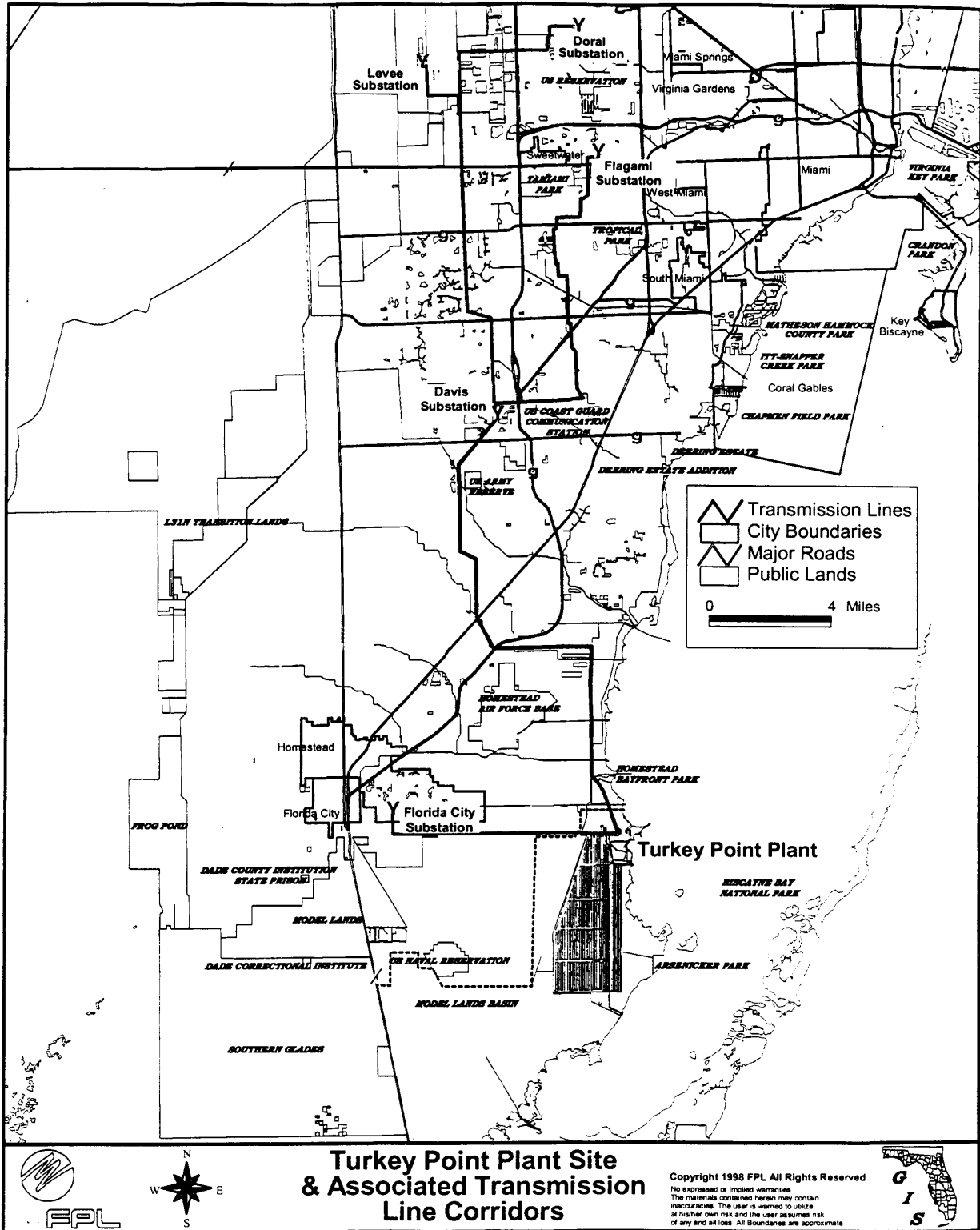
R. J. Hovey
Vice President
Turkey Point Plant

EAT/TVA/sap

Enclosure: Turkey Point Plant Site & Associated Transmission Line Corridors Map

an FPL Group company

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
South Florida Ecological Services Office
P.O. Box 2676
Vero Beach, Florida 32961-2676



July 5, 2000

R.J. Hovey
Vice President
Turkey Point Plant
9760 S.W. 344th Street
Florida City, Florida 33035

Dear Mr. Hovey:

Thank you for the June 6, 2000, letter to the Fish and Wildlife Service (Service) responding to our request for additional information on Florida Power and Light's (FPL) Federal application for renewal of the operating license for the Turkey Point Nuclear Plant. As part of the application process, the Nuclear Regulatory Commission (NRC) requires that FPL identify adverse impacts to rare and endangered species resulting from continued operation of the facility or refurbishment activities associated with the license renewal. The Service requested additional information, in a letter dated October 25, 1999, on FPL's environmental contaminants program and FPL's monitoring of the nesting activities, hatch rates, and survival rates of the American crocodile (*Crocodylus acutus*) within the cooling canal network at the Turkey Point Power Plant.

In response to this request, FPL engaged the services of Dr. Ann Shortelle of Environmental Sciences and Engineering Inc. of Gainesville, Florida to perform an Ecological Risk Assessment of the Turkey Point cooling canal system. FPL presented the results of this assessment to the Service on April 11, 2000, and provided a detailed tour of the cooling canal system, observations of crocodile nest, and crocodile activities in the canals.

The site-specific data shows that the American crocodile population at Turkey Point is thriving. The evidence assembled in the assessment demonstrates the FPL's conservation activities have been one of the key factors in the recovery of the American crocodile in south Florida. The data provided by FPL supports their determination that the operation of the Turkey Point Nuclear Plant is not adversely affecting the American crocodile population.

The Service completes section 7 consultations with a Federal action agency. The Federal action agency determines how the applicants are to be involved in the consultation, consistent with provisions of section 7(a)3, (b) and (c) of the ESA and the section 7 regulations. Non-federal representatives may be involved in the informal consultation process and may request and receive species lists, prepare biological assessments, and provide information for the formal

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consultation. However, the Service requires the action agency to designate formally the non-Federal representative in writing. The ultimate responsibility for section 7 obligations remains with the Federal action agency. This letter does not fulfill requirements of interagency section 7 consultation for this project.

The Service has also reviewed the information available to us on the presence of other federally listed species in the project area. The information available to us indicates that the bald eagle (*Haliaeetus leucocephalus*) and the wood stork (*Mycteria americana*) are also occasional visitors to this portion of south Miami-Dade County. The management actions conducted by FPL are also beneficial to both of these species.

The presence of threatened and endangered species in or adjacent to the referenced property is based on a review of known locations recorded in a Geographic Information Systems (GIS) database maintained by the Service's South Florida Ecological Service Office. The GIS database is a compilation of data received from several sources. Listed species may be present in suitable habitat even if no known locations are identified in our database. The Service assumes suitable habitat supports listed species and recommends site surveys to determine the presence or absence of listed species. Suitable habitat types for listed species can be found in the species accounts in the South Florida Multi-Species Recovery Plan (1999). This document is available on the internet at www.fws.gov/r4eao/wildlife/esvb.html.

We have also provided for your consideration a table of species by county that are protected as either threatened or endangered under the ESA for counties in south Florida. Because this matrix does not include State-listed species, contact the Florida Fish and Wildlife Conservation Commission to identify those species potentially present in the vicinity.

FISH AND WILDLIFE RESOURCES

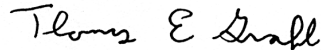
We are also providing you with a list of species that we would consider during our review of any proposal associated with this project. This list represents species that the Service is required to protect and conserve under other authorities, such as the Fish and Wildlife Coordination Act and the Migratory Bird Treaty Act (16 U.S.C. 701 *et seq.*). A variety of habitats in Miami-Dade County occasionally provide resting, feeding, and nesting sites for a variety of migratory bird species. As a public trust resource, migratory birds must be taken into consideration during project planning and design. During the site visit, the white pelican (*Pelecanus erythrorhynchos*) was observed in several of the canals. FPL's management actions also benefit this species.

Furthermore, the Service would also like to take this opportunity to commend FPL for their past and current research efforts in the management and operation of the cooling canal and the direct benefit these operations have had on the recovery efforts for the endangered American crocodile in south Florida.

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Thank you for the opportunity to comment. We look forward to working with you in the future. If you have any questions, please contact Allen Webb at (561) 562-3909, extension 246.

Sincerely yours,



~~For~~ James J. Slack
Project Leader
South Florida Ecological Services Office

Enclosures

cc:(w/o enclosures)
FWC, West Palm Beach, FL
Miami-Dade County DERM, Miami, FL
EPA, West Palm Beach, FL
SFWMD - ERP Permits, West Palm Beach, FL
NRC Power Plant License Division

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Federally Listed and Candidate Species, and Designated Critical Habitats Occurrences in South Florida by County

Sources: Multi-species recovery plan for south Florida and Candidate status review, species may occur in suitable community types in counties that are not checked.

	County																			
	Miami-Dade	Broward	Palm Beach	Martin	St. Lucie	Indian River	Osceola	Okechobee	Polk	Highlands	Glades	Hendry	Hardee	Desoto	Sarasota	Charlotte	Lee	Collier	Monroe	
Mammals (except whales)																				
E Florida panther																				
SA Puma (=mountain lion)																				
E Key deer																				
E Key Largo cotton mouse																				
E Key Largo woodrat																				
E Lower Keys rabbit																				
E Rice rat (=silver rice rat)																				
CH Rice rat (=silver rice rat)																				
T Southeastern beach mouse																				
E West Indian manatee																				
CH West Indian manatee																				
	<i>Puma (= Felis concolor corvi)</i>																			
	<i>Puma (= Felis concolor)</i>																			
	<i>Odocoileus virginianus clavium</i>																			
	<i>Peromyscus gossypinus allapaticola</i>																			
	<i>Neotoma floridana smalli</i>																			
	<i>Sylvilagus palustris hefneri</i>																			
	<i>Onychomys palustris natator (=O. argentatus)</i>																			
	Designated critical habitat																			
	<i>Peromyscus polionotus niveiventris</i>																			
	<i>Trichechus manatus</i>																			
	Designated critical habitat																			
Birds																				
T Audubon's crested caracara																				
E Bachman's warbler																				
T Bald eagle																				
E Cape Sable seaside sparrow																				
CH Cape Sable seaside sparrow																				
E Everglade snail kite																				
CH Everglade snail kite																				
E Florida grasshopper sparrow																				
T Florida scrub-jay																				
E Ivory-billed woodpecker																				
E Kirtland's warbler																				
T Piping plover																				
E Red-cockaded woodpecker																				
T Roseate tern																				
XN Whooping crane																				
E Wood stork																				
	<i>Polyborus plancus audubonii</i>																			
	<i>Pernivora bachmani</i>																			
	<i>Haliaeetus leucocephalus</i>																			
	<i>Ammodramus (=Ammodramus) maritimus mirabilis</i>																			
	Designated critical habitat																			
	<i>Rostrhamus sociabilis plumbeus</i>																			
	Designated critical habitat																			
	<i>Ammodramus savannarum floridanus</i>																			
	<i>Aphelocoma coerulescens</i>																			
	<i>Campylorhynchus principalis</i>																			
	<i>Dendroica kirtlandii</i>																			
	<i>Charadrius melodus</i>																			
	<i>Picoides (=Dendrocoptes) borealis</i>																			
	<i>Sterna dougallii dougallii</i>																			
	<i>Grus americana</i>																			
	<i>Mycteria americana</i>																			

✓ = Species occurs in county; E=Endangered, T=Threatened, C=Candidate, CH=Critical habitat designated, XN=Nonessential experimental population, SA=Similarity of Appearance

South Florida Field Office

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revised 12/07/99

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County		Miami-Dade	Broward	Palm Beach	Martin	St. Lucie	Indian River	Osceola	Okeechobee	Polk	Highlands	Glades	Hendry	Hardee	DeSoto	Sarasota	Charlotte	Lee	Collier	Monroe	
Reptiles																					
E	American crocodile	✓	✓																		
CH	American crocodile																				
SA	American alligator	✓	✓																		
T	Atlantic salt marsh snake																				
T	Blue-tail (=blue-tailed) mole skink																				
T	Eastern indigo snake																				
E	Green sea turtle																				
E	Hawksbill (=carey) sea turtle																				
E	Kemp's (=Atlantic) ridley sea turtle																				
E	Leatherback sea turtle																				
T	Loggerhead sea turtle																				
T	Sand skink																				
Invertebrates																					
C	Highlands tiger beetle																				
E	Schaus swallowtail butterfly																				
T	Stock Island tree snail																				
Plants																					
E	Crenulate lead-plant																				
C	Blodgett's silverbush																				
E	Four-petal pawpaw																				
T	Florida bonania																				
C	Florida brickell-bush																				
E	Fragrant prickly-apple																				
C	Big Pine partridge pea																				
E	Deltoid spurge																				
C	Pineland sandmat																				
C	Wedge spurge																				
T	Garber's spurge																				
E	Pygmy fringe-tree																				
C	Cape Sable thoroughwort																				
E	Florida golden aster																				
E	Florida perforate cladonia																				

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		County																			
		Miami-Dade	Broward	Palm Beach	Martin	St. Lucie	Indian River	Osceola	Okeechobee	Polk	Highlands	Glades	Henry	Hardee	DeSoto	Sarasota	Charlotte	Lee	Collier	Monroe	
T	Pigeon wings																				
E	Short-leaved rosemary																				
		<i>Cithoria fragrans</i> <i>Conradina brevifolia</i>																			
Plants (cont.)																					
E	Avon Park harebells																				
E	Okeechobee gourd																				
C	Florida prairie clover																				
E	Beautiful papaya																				
E	Garrett's mint																				
E	Scrub mint																				
E	Lakela's mint																				
C	Florida pineland crabgrass																				
T	Scrub buckwheat																				
E	Snakeroot																				
E	Small's milkpea																				
T	Johnson's seagrass																				
E	Highlands scrub hypericum																				
C	Florida indigo																				
E	Beach jacquemonia																				
E	Scrub blazing star																				
C	Sand flax																				
C	Carter's small-flowered flax																				
E	Scrub lupine																				
E	Britton's beargrass																				
C	Florida semaphore cactus																				
T	Papery whitlow-wort																				
E	Key tree-cactus																				
E	Lewton's polygala																				
E	Tiny polygala																				
E	Wireweed																				
E	Sandlace																				
E	Scrub plum																				
E	Wide-leaf warea																				
E	Carter's musiard																				
E	Florida ziziphus																				

✓ = Species occurs in county; E=Endangered; T=Threatened; C=Candidate; CH=Critical habitat designated; XN=Nonessential experimental population; SA=Similarity of Appearance

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MIGRATORY BIRDS OCCURRING IN SOUTH FLORIDA

ORDER GAVIIFORMES

FAMILY GAVIIDAE

Gavia stellata, Red-throated Loon
Gavia immer, Common Loon
Gavia pacifica, Pacific Loon

ORDER PODICIPEDIFORMES

FAMILY PODICIPEDIDAE

Tachybaptus dominicus, Least Grebe
Podilymbus podiceps, Pied-billed Grebe
Podiceps auritus, Horned Grebe
Podiceps nigricollis, Eared Grebe

ORDER PROCELLARIIFORMES

FAMILY PROCELLARIIDAE

Calonectris diomedea, Cory's Shearwater
Puffinus gravis, Greater Shearwater
Puffinus griseus, Sooty Shearwater
Puffinus puffinus, Manx Shearwater
Puffinus lherminieri, Audubon's Shearwater

FAMILY HYDROBATIDAE

Oceanites oceanicus, Wilson's Storm-Petrel
Oceanodroma leucorhoa, Leach's Storm-Petrel
Oceanodroma castro, Band-rumped Storm-Petrel

ORDER PELECANIFORMES

FAMILY PHAETHONTIDAE

Phaethon lepturus, White-tailed Tropicbird
Phaethon aethereus, Red-billed Tropicbird

FAMILY SULIDAE

Sula dactylatra, Masked Booby
Sula leucogaster, Brown Booby
Sula sula, Red-footed Booby
Sula bassanus, Northern Gannet

FAMILY PELECANIDAE

Pelecanus erythrorhynchos, American White Pelican
Pelecanus occidentalis, Brown Pelican

FAMILY PHALACROCORACIDAE

Phalacrocorax carbo, Great Cormorant
Phalacrocorax auritus, Double-crested Cormorant

FAMILY ANHINGIDAE

Anhinga anhinga, Anhinga

FAMILY FREGATIDAE

Fregata magnificens, Magnificent Frigatebird

ORDER CICONIIFORMES

FAMILY ARDEIDAE

Botaurus lentiginosus, American Bittern
Ixobrychus exilis, Least Bittern
Ardea herodias, Great Blue Heron
Casmerodius albus, Great Egret
Egretta thula, Snowy Egret

Egretta caerulea, Little Blue Heron

Egretta tricolor, Tricolored Heron

Egretta rufescens, Reddish Egret

Bubulcus ibis, Cattle Egret

Butorides striatus, Green-backed Heron

Nycticorax nycticorax, Black-crowned Night Heron

Nycticorax violaceus, Yellow-crowned Night Heron

FAMILY THRESKIORNITHIDAE

Eudocimus albus, White Ibis

Eudocimus ruber, Scarlet Ibis

Plegadis falcinellus, Glossy Ibis

Plegadis chihi, White-faced Ibis

Ajaia ajaja, Roseate Spoonbill

FAMILY CICONIIDAE

Mycteria americana, Wood Stork

ORDER PHOENICOPTERIFORMES

FAMILY PHOENICOPTERIDAE

Phoenicopterus ruber, Greater Flamingo

ORDER ANSERIFORMES

FAMILY ANATIDAE

Dendrocygna bicolor, Fulvous Whistling-Duck

Dendrocygna autumnalis, Black-bellied Whistling-Duck

Anser albifrons, Greater White-fronted Goose

Chen caerulescens, Snow Goose

Branta bernicla, Brant

Branta canadensis, Canada Goose

Aix sponsa, Wood Duck

Anas crecca, Green-winged Teal

Anas rubripes, American Black Duck

Anas fulvigula, Mottled Duck

Anas platyrhynchos, Mallard

Anas bahamensis, White-cheeked Pintail

Anas acuta, Northern Pintail

Anas discors, Blue-winged Teal

Anas cyanoptera, Cinnamon Teal

Anas clypeata, Northern Shoveler

Anas strepera, Gadwall

Anas penelope, Eurasian Wigeon

Anas americana, American Wigeon

Aythya valisineria, Canvasback

Aythya americana, Redhead

Aythya collaris, Ring-necked Duck

Aythya marila, Greater Scaup

Aythya affinis, Lesser Scaup

Somateria mollissima, Common Eider

Somateria spectabilis, King Eider

Histrionicus histrionicus, Harlequin Duck

Clangula hyemalis, Oldsquaw

Melanitta nigra, Black Scoter

Melanitta perspicillata, Surf Scoter

Melanitta fusca, White-winged Scoter

Bucephala clangula, Common Goldeneye

LICENSE RENEWAL APPLICATION

TURKEY POINT UNITS 3 & 4

Migratory birds

- Bucephala albeola*, Bufflehead
Lophodytes cucullatus, Hooded Merganser
Mergus merganser, Common Merganser
Mergus serrator, Red-breasted Merganser
Oxyura jamaicensis, Ruddy Duck
Oxyura dominica, Masked Duck
- ORDER FALCONIFORMES
FAMILY CATHARTIDAE
Coragyps atratus, Black Vulture
Cathartes aura, Turkey Vulture
- FAMILY ACCIPITRIDAE
Pandion haliaetus, Osprey
Elanoides forficatus, American Swallow-tailed Kite
Elanus caeruleus, Black-shouldered Kite
Rhynchocyon sociabilis, Snail Kite
Ictinia mississippiensis, Mississippi Kite
Haliaeetus leucocephalus, Bald Eagle
Circus cyaneus, Northern Harrier
Accipiter striatus, Sharp-shinned Hawk
Accipiter cooperii, Cooper's Hawk
Buteo lineatus, Red-shouldered Hawk
Buteo platypterus, Broad-winged Hawk
Buteo brachyurus, Short-tailed Hawk
Buteo swainsoni, Swainson's Hawk
Buteo jamaicensis, Red-tailed Hawk
- FAMILY FALCONIDAE
Polyborus plancus, Crested Caracara
Falco sparverius, American Kestrel
Falco columbarius, Merlin
- ORDER GRUIFORMES
FAMILY RALLIDAE
Coturnicops noveboracensis, Yellow Rail
Laterallus jamaicensis, Black Rail
Rallus longirostris, Clapper Rail
Rallus elegans, King Rail
Rallus limicola, Virginia Rail
Porzana carolina, Sora
Porphyryla martinica, Purple Gallinule
Gallinula chloropus, Common Moorhen
Fulica americana, American Coot
- FAMILY ARAMIDAE
Aramus guarauna, Limpkin
- FAMILY GRUIDAE
Grus canadensis, Sandhill Crane
- ORDER CHARADRIIFORMES
FAMILY CHARADRIIDAE
Pluvialis squatarola, Black-bellied Plover
Pluvialis dominica, Lesser Golden-Plover
Charadrius alexandrinus, Snowy Plover
Charadrius wilsonia, Wilson's Plover
Charadrius semipalmatus, Semipalmated Plover
- Charadrius melodus*, Piping Plover
Charadrius vociferus, Killdeer
Charadrius montanus, Mountain Plover
- FAMILY HAEMATOPODIDAE
Haematopus palliatus, American Oystercatcher
- FAMILY RECURVIROSTRIDAE
Himantopus mexicanus, Black-necked Stilt
Recurvirostra americana, American Avocet
- FAMILY SCOLOPACIIDAE
Tringa melanoleuca, Greater Yellowlegs
Tringa flavipes, Lesser Yellowlegs
Tringa solitaria, Solitary Sandpiper
Catoptrophorus semipalmatus, Willet
Actitis macularia, Spotted Sandpiper
Bartramia longicauda, Upland Sandpiper
Numenius phaeopus, Whimbrel
Numenius americanus, Long-billed Curlew
Limosa limosa, Black-tailed Godwit
Limosa haemastica, Hudsonian Godwit
Limosa fedoa, Marbled Godwit
Arenaria interpres, Ruddy Turnstone
Aphriza virgata, Surf-bird
Calidris canutus, Red Knot
Calidris alba, Sanderling
Calidris pusilla, Semipalmated Sandpiper
Calidris mauri, Western Sandpiper
Calidris minutilla, Least Sandpiper
Calidris fuscicollis, White-rumped Sandpiper
Calidris bairdii, Baird's Sandpiper
Calidris melanotos, Pectoral Sandpiper
Calidris acuminata, Sharp-tailed Sandpiper
Calidris maritima, Purple Sandpiper
Calidris alpina, Dunlin
Calidris ferruginea, Curlew Sandpiper
Calidris himantopus, Stilt Sandpiper
Tryngites subruficollis, Buff-breasted Sandpiper
Philomachus pugnax, Ruff
Limnodromus griseus, Short-billed Dowitcher
Limnodromus scolopaceus, Long-billed Dowitcher
Gallinago gallinago, Common Snipe
Scolopax minor, American Woodcock
Phalaropus tricolor, Wilson's Phalarope
Phalaropus lobatus, Red-necked Phalarope
Phalaropus fulicaria, Red Phalarope
- FAMILY LARIDAE
Stercorarius pomarinus, Pomarine Jaeger
Stercorarius parasiticus, Parasitic Jaeger
Stercorarius longicaudus, Long-tailed Jaeger
Larus atricilla, Laughing Gull
Larus pipixcan, Franklin's Gull
Larus minutus, Little Gull
Larus ridibundus, Common Black-headed Gull
Larus philadelphia, Bonaparte's Gull
Larus delawarensis, Ring-billed Gull

LICENSE RENEWAL APPLICATION

TURKEY POINT UNITS 3 & 4

Migratory birds

Larus argentatus, Herring Gull
Larus thayeri, Thayer's Gull
Larus fuscus, Lesser Black-backed Gull
Larus hyperboreus, Glaucous Gull
Larus marinus, Great Black-backed Gull
Rissa tridactyla, Black-legged Kittiwake
Xema sabini, Sabine's Gull
Sterna nilotica, Gull-billed Tern
Sterna caspia, Caspian Tern
Sterna maxima, Royal Tern
Sterna sandvicensis, Sandwich Tern
Sterna dougallii, Roseate Tern
Sterna hirundo, Common Tern
Sterna paradisaea, Arctic Tern
Sterna forsteri, Forster's Tern
Sterna antillarum, Least Tern
Sterna anaethetus, Bridled Tern
Sterna fuscata, Sooty Tern
Chlidonias niger, Black Tern
Anous stolidus, Brown Noddy
Anous minutus, Black Noddy
Rynchops niger, Black Skimmer

FAMILY ALCIDAE

Alle alle, Dovekie
Alca torda, Razorbill

ORDER COLUMBIFORMES

FAMILY COLUMBIDAE

Columba squamosa, Scaly-naped Pigeon
Columba leucocephala, White-crowned Pigeon
Columba fasciata, Band-tailed Pigeon
Zenaida asiatica, White-winged Dove
Zenaida aurita, Zenaida Dove
Zenaida macroura, Mourning Dove
Columbina passerina, Common Ground-Dove
Geotrygon chrysis, Key West Quail-Dove
Geotrygon montana, Ruddy Quail-Dove

ORDER CUCULIFORMES

FAMILY CUCULIDAE

Coccyzus erythrophthalmus, Black-billed Cuckoo
Coccyzus americanus, Yellow-billed Cuckoo
Coccyzus minor, Mangrove Cuckoo
Crotophaga ani, Smooth-billed Ani
Crotophaga sulcirostris, Groove-billed Ani

ORDER STRIGIFORMES

FAMILY TYTONIDAE

Tyto alba, Common Barn-Owl

FAMILY STRIGIDAE

Otus asio, Eastern Screech-Owl
Bubo virginianus, Great Horned Owl
Athene cunicularia, Burrowing Owl
Strix varia, Barred Owl
Asio otus, Long-eared Owl

Asio flammeus, Short-eared Owl
Aegolius acadicus, Northern Saw-whet Owl

ORDER CAPRIMULGIFORMES

FAMILY CAPRIMULGIDAE

Chordeiles acutipennis, Lesser Nighthawk
Chordeiles minor, Common Nighthawk
Chordeiles gundlachii, Antillean Nighthawk
Caprimulgus carolinensis, Chuck-will's-widow
Caprimulgus vociferus, Whip-poor-will

ORDER APODIFORMES

FAMILY APODIDAE

Chaetura pelagica, Chimney Swift
Tachornis phoenicobia, Antillean Palm Swift

FAMILY TROCHILIDAE

Amazilia yucatanensis, Buff-bellied Hummingbird
Calliphlox evelynae, Bahama Woodstar
Archilochus colubris, Ruby-throated Hummingbird
Archilochus alexandri, Black-chinned Hummingbird
Selasphorus rufus, Rufous Hummingbird

ORDER CORACIIFORMES

FAMILY ALCEDINIDAE

Ceryle alcyon, Belted Kingfisher

ORDER PICIFORMES

FAMILY PICIDAE

Melanerpes erythrocephalus, Red-headed Woodpecker
Melanerpes carolinus, Red-bellied Woodpecker
Sphyrapicus varius, Yellow-bellied Sapsucker
Picoides pubescens, Downy woodpecker
Picoides villosus, Hairy woodpecker
Picoides borealis, Red-cockaded woodpecker
Colaptes auratus, Northern Flicker
Dryocopus pileatus, Pileated Woodpecker
Campephilus principalis, Ivory-billed Woodpecker

ORDER PASSERIFORMES

FAMILY TYRANNIDAE

Contopus borealis, Olive-sided flycatcher
Contopus virens, Eastern Wood-Pewee
Empidonax flaviventris, Yellow-bellied Flycatcher
Empidonax virescens, Acadian Flycatcher
Empidonax alhorum, Alder Flycatcher
Empidonax traillii, Willow Flycatcher
Empidonax minimus, Least Flycatcher
Sayornis nigricans, Black Phoebe
Sayornis phoebe, Eastern Phoebe
Sayornis saya, Say's Phoebe
Pyrocephalus rubinus, Vermilion Flycatcher
Myiarchus cinerascens, Ash-throated Flycatcher
Myiarchus crinitus, Great Crested Flycatcher
Myiarchus tyrannulus, Brown-crested Flycatcher
Tyrannus vociferans, Cassin's Kingbird
Tyrannus verticalis, Western Kingbird

LICENSE RENEWAL APPLICATION

TURKEY POINT UNITS 3 & 4

Migratory birds

- Tyrannus tyrannus*, Eastern Kingbird
Tyrannus dominicensis, Gray Kingbird
Tyrannus caudifasciatus, Loggerhead Kingbird
Tyrannus forficatus, Scissor-tailed Flycatcher
Tyrannus savana, Fork-tailed Flycatcher
- FAMILY ALAUDIDAE
Eremophila alpestris, Horned Lark
- FAMILY HIRUNDINIDAE
Progne subis, Purple Martin
Tachycineta bicolor, Tree Swallow
Tachycineta cyaneoviridis, Bahama Swallow
Stelgidopteryx serripennis, Northern Rough-winged Swallow
Riparia riparia, Bank Swallow
Hirundo pyrrhonota, Cliff Swallow
Hirundo fulva, Cave Swallow
Hirundo rustica, Barn Swallow
- FAMILY CORVIDAE
Cyanocitta cristata, Blue Jay
Aphelocoma coerulescens, Scrub Jay
Corvus brachyrhynchos, American Crow
Corvus ossifragus, Fish Crow
- FAMILY PARIDAE
Parus carolinensis, Carolina Chickadee
Parus bicolor, Tufted Titmouse
- FAMILY SITTIDAE
Sitta canadensis, Red-breasted Nuthatch
Sitta pusilla, Brown-headed Nuthatch
- FAMILY CERTHIIDAE
Certhia americana, Brown Creeper
- FAMILY TROGLODYTIDAE
Thryothorus ludovicianus, Carolina Wren
Troglodytes aedon, House Wren
Troglodytes troglodytes, Winter Wren
Cistothorus platensis, Sedge Wren
Cistothorus palustris, Marsh Wren
- FAMILY MUSCICAPIDAE
SUBFAMILY SYLVIINAE
Regulus satrapa, Golden-crowned Kinglet
Regulus calendula, Ruby-crowned Kinglet
Poliophtila caerulea, Blue-gray Gnatcatcher
- SUBFAMILY TURDINAE
Oenanthe oenanthe, Northern Wheatear
Sialis sialis, Eastern Bluebird
Catharus fuscescens, Veery
Catharus minimus, Gray-cheeked Thrush
Catharus ustulatus, Swainson's Thrush
Catharus guttatus, Hermit Thrush
Hylocichla mustelina, Wood Thrush
Turdus migratorius, American Robin
Ixoreus naevius, Varied Thrush
- FAMILY MIMIDAE
Dumetella carolinensis, Gray Catbird
Mimus polyglottos, Northern Mockingbird
Toxostoma rufum, Brown Thrasher
- FAMILY MOTACILLIDAE
Anthus spragueii, Sprague's Pipit
- FAMILY BOMBYCILLIDAE
Bombycilla cedrorum, Cedar Waxwing
- FAMILY LANIIDAE
Lanius ludovicianus, Loggerhead Shrike
- FAMILY VIREONIDAE
Vireo griseus, White-eyed Vireo
Vireo bellii, Bells' Vireo
Vireo solitarius, Solitary Vireo
Vireo flavifrons, Yellow-throated Vireo
Vireo gilvus, Warbling Vireo
Vireo philadelphicus, Philadelphia Vireo
Vireo olivaceus, Red-eyed Vireo
Vireo altiloquus, Black-whiskered Vireo
- FAMILY EMBERIZIDAE
SUBFAMILY PARULINAE
Vermivora bachmanii, Bachman's Warbler
Vermivora pinus, Blue-winged Warbler
Vermivora chrysoptera, Golden-winged Warbler
Vermivora peregrina, Tennessee Warbler
Vermivora celata, Orange-crowned Warbler
Vermivora ruficapilla, Nashville Warbler
Parula americana, Northern Parula
Dendroica petechia, Yellow Warbler
Dendroica pensylvanica, Chestnut-sided Warbler
Dendroica magnolia, Magnolia Warbler
Dendroica tigrina, Cape May Warbler
Dendroica caerulescens, Black-throated Blue Warbler
Dendroica coronata, Yellow-rumped Warbler
Dendroica nigrescens, Black-throated Gray Warbler
Dendroica townsendi, Townsend's Warbler
Dendroica virens, Black-throated Green Warbler
Dendroica fusca, Blackburnian Warbler
Dendroica dominica, Yellow-throated Warbler
Dendroica pinus, Pine Warbler
Dendroica kirtlandii, Kirtland's Warbler
Dendroica discolor, Prairie Warbler
Dendroica palmarum, Palm Warbler
Dendroica castanea, Bay-breasted Warbler
Dendroica striata, Blackpoll Warbler
Dendroica cerulea, Cerulean Warbler
Mniotilta varia, Black-and-White Warbler
Setophaga ruticilla, American Redstart
Protonotaria citrea, Prothonotary Warbler
Helminthos vermivorus, Worm-eating Warbler
Limnithyris swainsonii, Swainson's Warbler
Seiurus aurocapillus, Ovenbird
Seiurus noveboracensis, Northern Waterthrush
Seiurus motacilla, Louisiana Waterthrush
Oporornis formosus, Kentucky Warbler

LICENSE RENEWAL APPLICATION

TURKEY POINT UNITS 3 & 4

Migratory birds

Oporornis agilis, Connecticut Warbler
Oporornis philadelphia, Mourning Warbler
Geothlypis trichas, Common Yellowthroat
Wilsonia citrina, Hooded Warbler
Wilsonia pusilla, Wilson's Warbler
Wilsonia canadensis, Canada Warbler
Icteria virens, Yellow-breasted Chat

SUBFAMILY THRAUPINAE

Spindalis zena, Stripe-headed Tanager
Piranga rubra, Summer Tanager
Piranga olivacea, Scarlet Tanager
Piranga ludoviciana, Western Tanager

SUBFAMILY CARDINALINAE

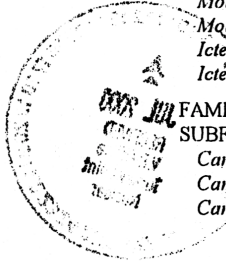
Cardinalis cardinalis, Northern Cardinal
Phenicticus ludovicianus, Rose-breasted Grosbeak
Phenicticus melanocephalus, Black-headed Grosbeak
Guiraca caerulea, Blue Grosbeak
Passerina amoena, Lazuli Bunting
Passerina cyanea, Indigo Bunting
Passerina ciris, Painted Bunting
Spiza americana, Dickcissel

SUBFAMILY EMBERIZINAE

Pipilo erythrophthalmus, Rufous-sided Towhee
Tiaris bicolor, Black-faced Grassquit
Aimophila aestivalis, Bachman's Sparrow
Spizella passerina, Chipping Sparrow
Spizella pallida, Clay-colored Sparrow
Spizella pusilla, Field Sparrow
Poocetes gramineus, Vesper Sparrow
Chondestes grammacus, Lark Sparrow
Calamospiza melanocorys, Lark Bunting
Passerculus sandwichensis, Savannah Sparrow
Ammodramus savannarum, Grasshopper Sparrow
Ammodramus henslowii, Henslow's Sparrow
Ammodramus leconteii, Le Conte's Sparrow
Ammodramus caudacutus, Sharp-tailed Sparrow
Ammodramus maritimus, Seaside Sparrow
Melospiza melodia, Song Sparrow
Melospiza lincolni, Lincoln's Sparrow
Melospiza georgiana, Swamp Sparrow
Zonotrichia albicollis, White-throated Sparrow
Zonotrichia leucophrys, White-crowned Sparrow
Zonotrichia querula, Harris' Sparrow
Junco hyemalis, Dark-eyed Junco
Calcarius lapponicus, Lapland Longspur

SUBFAMILY ICTERINAE

Dolichonyx oryzivorus, Bobolink
Agelaius phoeniceus, Red-winged Blackbird
Sturnella magna, Eastern Meadowlark
Sturnella neglecta, Western Meadowlark
Xanthocephalus xanthocephalus, Yellow-headed Blackbird
Euphagus carolinus, Rusty Blackbird
Euphagus cyanocephalus, Brewer's Blackbird
Quiscalus major, Boat-tailed Grackle
Quiscalus quiscula, Common Grackle



Molothrus bonariensis, Shiny Cowbird
Molothrus aeneus, Bronzed Cowbird
Molothrus ater, Brown-headed Cowbird
Icterus spurius, Orchard Oriole
Icterus galbula, Northern Oriole

FAMILY FRINGILLIDAE

SUBFAMILY CARDUELINAE

Carpodacus purpureus, Purple Finch
Carduelis pinus, Pine Siskin
Carduelis tristis, American Goldfinch

LICENSE RENEWAL APPLICATION TURKEY POINT UNITS 3 & 4



PTN-LR-99-0062
September 7, 1999

Mr. Robert Hoffman
National Marine Fisheries Service
9721 Executive Center Drive, North
St. Petersburg, FL 33702

Subject: Turkey Point Nuclear Plant
License Renewal Project
NRC Informal Consultation Preparation

Dear Mr. Hoffman:

Florida Power & Light Company (FPL) is preparing an application to renew the operating license for its Turkey Point Nuclear Plant and we intend the application to be consistent with your agency's interests and the priorities of our community. As part of the license renewal process, the Nuclear Regulatory Commission (NRC) requires that applicants identify adverse impacts to rare and endangered species resulting from continued operation of the facility or refurbishment activities. The NRC may request your informal consultation on this matter.

As documented in the Turkey Point NPDES Permit (FL0001562), the cooling canal system does not discharge into waters of the United States. The operation of Turkey Point Nuclear Plant does not and will not have an adverse impact on any aquatic rare or endangered species. In addition, there are no planned future operational or refurbishment activities that would invalidate this conclusion.


To assist you in making your determination, I have enclosed a figure that depicts the Turkey Point Site and associated transmission line corridors.

It is our intent that, by contacting you at this point in the process, we identify any deficiencies, concerns, or data needed so that those areas identified can be addressed to ensure that the consultation process proceeds smoothly and efficiently.

We would appreciate it if you would provide your comments and any additional information or actions that might be required from FPL to expedite the upcoming consultation process.

If you have any comments or questions, please contact T. V. Abbatiello at (305) 246-6581.

Sincerely yours,



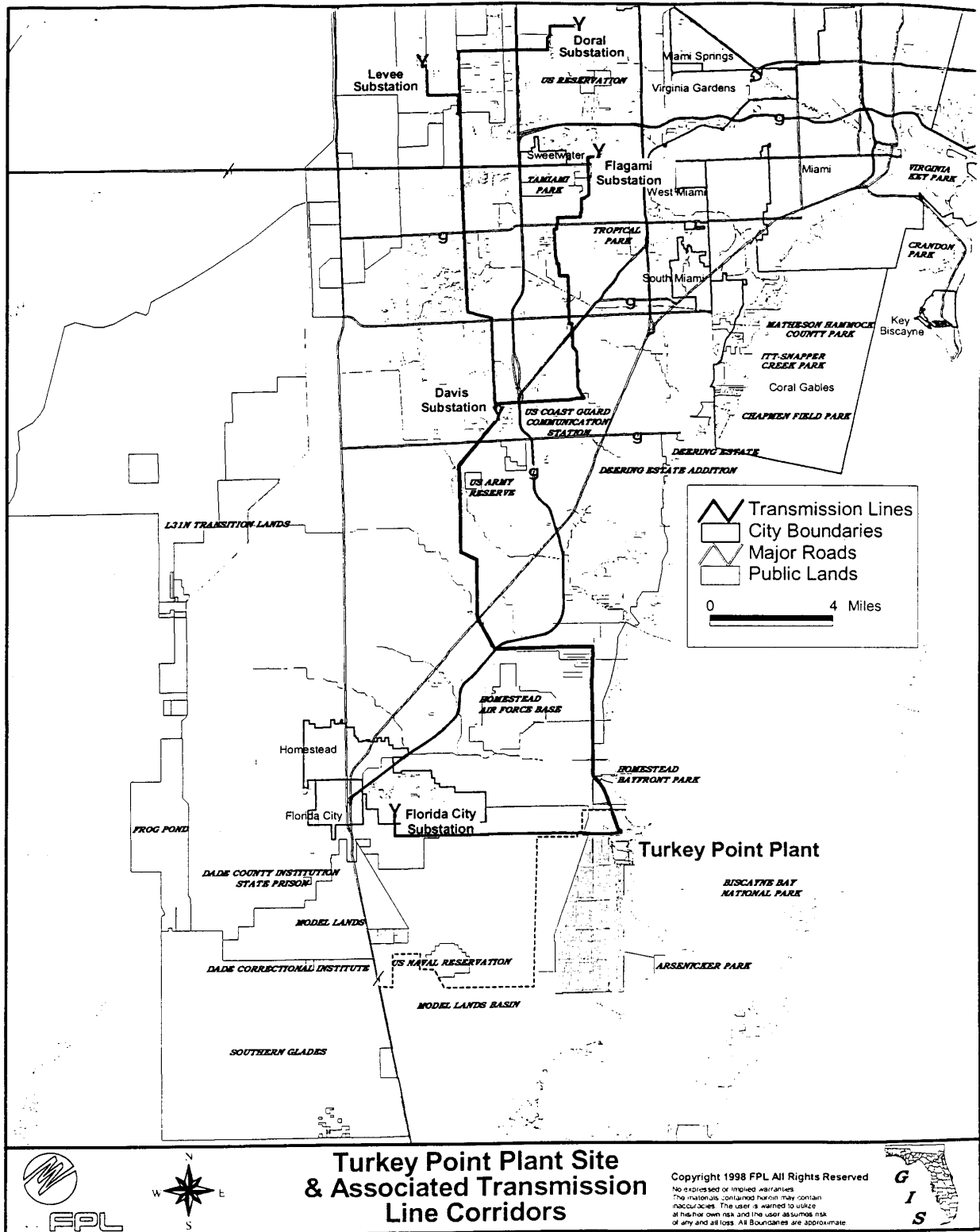
R. J. Hovey
Vice President
Turkey Point Plant

EAT/TVA/sap

Enclosure: Turkey Point Plant Site & Associated Transmission Line Corridors Map

an FPL Group company

LICENSE RENEWAL APPLICATION TURKEY POINT UNITS 3 & 4



LICENSE RENEWAL APPLICATION TURKEY POINT UNITS 3 & 4



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southeast Regional Office
9721 Executive Center Drive North
St. Petersburg, FL 33702
(727) 570-5312; FAX 570-5517

SEP 30 1999

F/SER3:BH

Mr. R. J. Hovey
Florida Power and Light
Turkey Point Nuclear Plant
9760 South West 344 Street
Homestead, FL 33035



Dear Mr. Hovey:

This is in response to your letter dated September 7, 1999 regarding the renewal of the Turkey Point Nuclear Plant's operating license located in Homestead, Florida. As part of the renewal process, the Nuclear Regulatory Commission (NRC) required you to identify adverse impacts caused by plant operations to species protected by the Endangered Species Act (ESA).

Impact to National Marine Fisheries Service (NMFS) trust resources caused by power plant operations comes mainly from the cooling water intake systems. Turkey Point's cooling water system consists of a closed loop system of canals which do not use seawater nor do they discharge to waters of the United States. This system is recharged by stormwater and to a lesser extent by interchange with groundwater. Based on this information, NMFS believes the proposed action is not likely to affect species protected by the ESA under its purview.

This concludes your consultation responsibilities under section 7 of the ESA for the renewal of Turkey Point Nuclear Plant's license for species under NMFS purview. Consultation should be reinitiated if new information reveals impacts of the identified activity that may affect listed species or their critical habitat, a new species is listed, the identified activity is subsequently modified or critical habitat determined that may be affected by the proposed activity.

If you have any questions, please contact Bob Hoffman, Fishery Biologist.

Sincerely yours,

for William T. Hogarth, Ph.D.
Regional Administrator

cc: F/PR3



LICENSE RENEWAL APPLICATION TURKEY POINT UNITS 3 & 4



PTN-LR-99-0069
September 7, 1999

Mr. Steve Lau
Florida Fish and Wildlife Conservation Commission
255 154th Avenue
Vero Beach, FL 32968

Subject: Turkey Point Nuclear Power Plant
License Renewal Project
NRC Informal Consultation Preparation

Dear Mr. Lau:

Florida Power & Light Company (FPL) is preparing an application to renew the operating license for its Turkey Point Nuclear Plant and we intend the application to be consistent with your agency's interests and the priorities of our community. As part of the license renewal process, the Nuclear Regulatory Commission (NRC) requires that applicants identify adverse impacts to rare and endangered species resulting from continued operation of the facility or refurbishment activities associated with the license renewal. The operation of Turkey Point Nuclear Plant does not have an adverse impact on any rare and endangered species. In addition, there are no planned future operational or refurbishment activities that would invalidate this conclusion. The NRC may request an informal consultation from your agency on this matter.


To assist you in making your determination, a figure is enclosed which depicts the Turkey Point Site and the associated transmission line corridors.

It is our intent that, by contacting you at this point in the process, we can identify any deficiencies, concerns, or data needed so that those areas identified can be addressed to ensure that the consultation process proceeds smoothly and efficiently.

We would appreciate it if you would provide your comments and any additional information or actions that might be required from FPL to expedite the upcoming consultation process.

If you have any comments or questions, please contact T. V. Abbatiello at (305) 246-6581.

Sincerely yours,



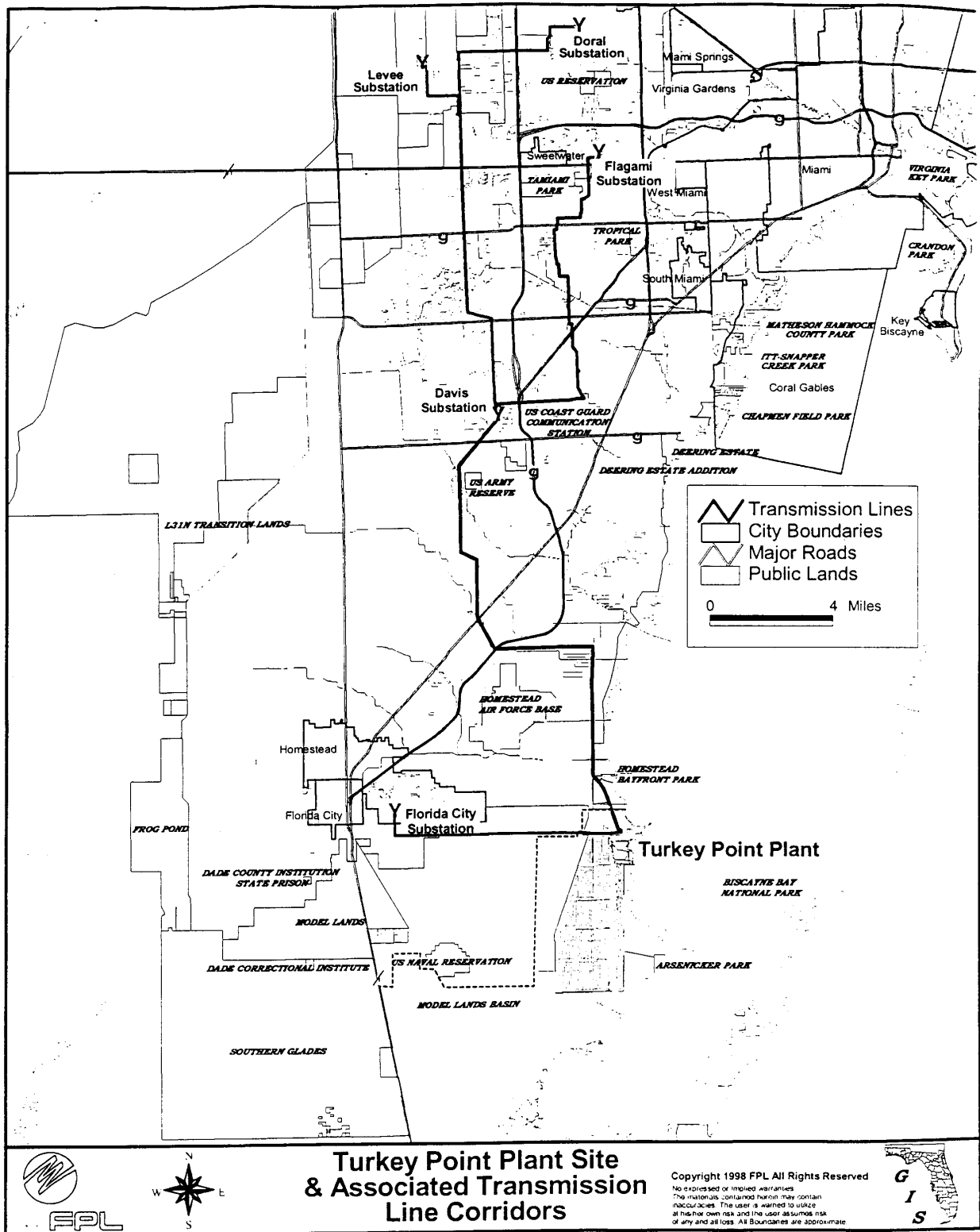
R.J. Hovey
Vice President
Turkey Point Plant

EAT/TVA/sap

Enclosure: Turkey Point Plant Site & Associated Transmission Line Corridors Map

an FPL Group company

LICENSE RENEWAL APPLICATION TURKEY POINT UNITS 3 & 4



LICENSE RENEWAL APPLICATION
TURKEY POINT UNITS 3 & 4



Florida Fish and Wildlife Conservation
Commission

James L. "Jamie" Adams, Jr. Bushnell	Barbara C. Barsh Jacksonville	Quinton L. Hedgepeth, DDS Miami	H.A. "Herky" Huffman Deltona		
Thomas B. Kibler Lakeland	David K. Meehan St. Petersburg	Julie K. Morris Sarasota	Tony Moss Miami	Edwin P. Roberts, DC Pensacola	John D. Rood Jacksonville

ALLAN L. EGBERT, Ph.D., Executive Director
VICTOR J. HELLER, Assistant Executive Director

OFFICE OF ENVIRONMENTAL SERVICES
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620 South Meridian Street
Tallahassee, FL 32399-1600
www.state.fl.us/fwc
(850)488-6661
FAX (850)922-5679
TDD (850)488-9542

255 154th Ave.
Vero Beach, FL 32968
September 22, 1999

Mr. R. J. Hovey
Florida Power and Light
Turkey Point Nuclear Power Plant
9760 S. W. 344th Street
Homestead, FL 333035

RE: Turkey Point Power Plant License Renewal, Dade
County

Dear Mr. Hovey:

The Office of Environmental Services has received your letter regarding your application for license renewal of the Turkey Point Power Plant. According to your letter, you are required to identify any adverse impacts to rare and endangered species associated with the license renewal. You have indicated that current operation of the plant does not adversely impact state listed species. Further, there are no future operational or refurbishment activities planned for the plant that could potentially impact state listed species. Accordingly, we concur that the continued operation of Turkey Point Nuclear Plant will not likely impact state listed species. We currently offer no other comments or concerns regarding this issue.

Sincerely,

Stephen R. Lau,
Biological Administrator

SRL/JMW/gk
ENV 1-11-2
turkpoint.con.wpd