

PMTurkeyCOLPEm Resource

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Sent: Wednesday, December 15, 2010 1:35 PM
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Subject: FPL Letter L-2010-294 dated 12-15-2010 - NRC June 2010 Environmental Audit Supplemental Information Request Response 2 Part 1
Attachments: L-2010-294 Signed 12-15-2010 ER Information Needs Letter 2-01.pdf

Florida Power & Light Company
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
NRC June 2010 Environmental Audit
Supplemental Information Request Response 2 Part 1

Reference:

1. FPL Letter L-2009-144 to NRC, dated June 30, 2009, Application for Combined Licenses for Turkey Point Units 6 and 7
2. NRC Memorandum A. Kugler to R. Whited, dated September 21, 2010, Summary of the Environmental Site Audit Related to the Review of the Combined License Application for Turkey Point Units 6 and 7
3. FPL Letter L-2010-172 to NRC dated November 1, 2010, NRC June 2010 Environmental Audit Supplemental Information Request Response 1
4. FPL Letter L-2010-295 to NRC dated December 15, 2010, NRC June 2010 Environmental Audit Supplemental Information Request Response 2 Part 2

Florida Power & Light Company (FPL) submitted a Combined License (COL) Application for two AP1000 pressurized water reactor units to be located at the Turkey Point site, designated Turkey Point Units 6 and 7, located in Miami-Dade County, FL on June 30, 2009 (Reference 1).

During the week of June 7, 2010, an NRC team conducted a site audit to assist their review of the Environmental Report submitted as part of the COL Application. The NRC issued the site audit summary on September 21, 2010 (Reference 2). The audit summary identified 210 information need items discussed during the audit and classified them as resolved, pending, open, or new.

FPL submitted the responses to 49 of the early submittal information need items on November 1, 2010 (Reference 3). Reference 4 provides responses to 28 information need items.

The purpose of this letter is to provide the responses to information need items G-5 and G-8. The responses are provided in 2 attachments to this letter.

v/r
George Madden
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Supplemental Information Request Response 2 Part 1
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L-2010-294
10 CFR 52.3

December 15, 2010

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

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Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
L-2010-294 Page 2 of 2

If you have any questions, or need additional information, please contact me at 561-691-7490.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 15, 2010

Sincerely,



William Maher
Senior Licensing Director – New Nuclear Projects

cc: W/Attachments

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO
PTN 6 & 7 Environmental Project Manager, USNRC DSER/NRO
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

Index of Attachments	
Attachment Number	ER Audit Information Item Number
1	G-5
2	G-8

SRP Section: Environmental Report Sections 4.7 and 5.11 – Cumulative Impacts from Construction and Operation

Question from Environmental Audit Data and Information Needs

NRC RAI Number: Environmental Audit Data and Information Need No. G-5

Have available a subject matter expert responsible for analysis of cumulative impacts at the proposed site. Have available for review any documentation of past, present, and reasonably foreseeable future projects that could contribute to cumulative impacts within the Turkey Point project area.

FPL RESPONSE:

A detailed search of all past, present, and reasonably foreseeable Federal, non-Federal, and private projects within a 50-mile radius of Turkey Point Units 6 & 7 that requested either an air or water permit/license or had an environmental impact statement completed was performed. The search was accomplished by querying federal (e.g. USCOE, USGS), state (e.g. FDEP, FDOT), and local (e.g. M-D DERM) websites. The list was refined to projects that were within a 6-mile radius of Turkey Point Units 6 & 7, then within the required timeframe of construction (ER 4.7) or operation (ER 5.11) activities of Turkey Point Units 6 & 7, excluding all Brownfield and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites. The results of this analysis are included in the attached tables. This list is not intended to be exhaustive and should not be used to imply that no other past, present or reasonably foreseeable projects exist that could contribute to cumulative impacts within the Turkey Point project area.

The timeframe for potential projects that could contribute to construction phase cumulative impacts was 2013 to 2022. This timeframe was determined using the schedule for preconstruction activities beginning in the second quarter of 2013 with completion of construction in the fourth quarter of 2022.

The timeframe for potential projects that could contribute to operational phase cumulative impacts was 2022 to 2063. This timeframe was determined from the schedule for Unit 6 and Unit 7 operation activities beginning in the second quarter of 2022 and 2023, respectively, through the initial 40 years license for Unit 6 and Unit 7, which would end in 2062 and 2063 respectively.

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Energy Projects					
FPL - Cutler Power Plant	Two-unit, 205-MW gas- and oil-fired plant	14 miles northeast of Turkey Point site	Operational	M-D DERM Feb 2009	No
FPL - Lauderdale Power Plant	Two-unit, 884-MW gas- and oil-fired plant	45 miles northeast of Turkey Point site	Operational	BCEPGMD Jan 2009	No
FPL - Port Everglades Power Plant	Four-unit, 1205-MW oil- and gas-fired plant	47 miles northeast of Turkey Point site	Operational	BCEPGMD Feb 2010	No
FPL - Turkey Point Power Plant	Five-unit, 3,220-MW power plant. Units 1 & 2 are oil- and gas-fired, Units 3 & 4 are nuclear, Unit 5 is gas-fired.	Turkey Point site	Operational	M-D DERM Mar 2009a	Yes
FPL - Turkey Point Power Plant Units 3 & 4 Uprate	The project will increase the net electrical generation for Units 3 & 4 by 104-MW each.	Turkey Point site	Proposed. Site Certification Application approved by FPSC in October 2008. Application to NRC submitted in 2010. Project completion expected 2 nd quarter 2012.	FPL Jan 2008	Yes
Homestead City Utilities - Gordon W. Ivey Power Plant	16-unit, 60-MW oil-fired plant	9 miles northwest of Turkey Point site	Operational	M-D DERM May 2009a	No
INGENCO Resource Recovery Facility	24-unit, 8-MW landfill gas-fired power plant	6 miles northwest of Turkey Point site	Proposed. Draft Air Construction Permit issued March 2010	M-D DERM Mar 2010	Yes

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Miami-Dade County Resource Recovery Facility	Four-unit 77-MW municipal solid waste-fired power plant	28 miles northwest of Turkey Point site	Operational	M-D DERM Mar 2008a	No
Wheelabrator South Broward, Inc. - Waste to Energy Facility	Three-unit 67.6-MW municipal solid waste-fired power plant	45 miles northeast of Turkey Point site	Operational	BCEPGMD Dec 2009a	No
Florida Gas Transmission Company Phase VIII Expansion Project	The FGT pipeline will be 6.5 miles long and parallel existing FGT pipelines and FPL transmission lines.	The pipeline will be installed along SW 97 Avenue north of Turkey Point and travel south toward Turkey Point site.	Proposed. The pipeline is planned to be in service in 2010 to 2011	FGT Sep 2008	No
Transportation Projects					
Dade-Collier Training and Transition Airport	Precision instrument landing and training facility for commercial and general aviation.	46 miles northwest of Turkey Point site	Operational. Future development unlikely.	FDOT 2009	No
Fort Lauderdale/ Hollywood International Airport	Full service airport - commercial airlines, air cargo, and general aviation	46 miles northeast of Turkey Point site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009	No
Homestead Air Reserve Base Airport	Military airfield that is the home station to F-16C and F-15A aircraft.	5 miles northwest of Turkey Point site	Operational. Limited development is likely.	DOD Oct 2007	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Homestead General Aviation Airport	General aviation airport.	15 miles northwest of Turkey Point site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009	No
Kendall-Tamiami Executive Airport	General aviation airport.	17 miles northwest of Turkey Point site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009	No
Miami International Airport	Full service airport - commercial airlines, air cargo, and general aviation. Third busiest international passenger airport in the U.S.	26 miles north of Turkey Point site	Operational. Completion of the \$6.2 Billion Miami Intermodal Center capital improvement program expected in 2011.	FDOT 2009	No
North Perry Airport	General aviation airport.	40 miles north of Turkey Point site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009	No
Opa Locka Executive Airport	General aviation and reliever airport for Miami International. The airport is also home to a U.S. Coast Guard Air/Sea Rescue Station.	33 miles north of Turkey Point site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Port Everglades	Large full-service deepwater seaport. Florida's main seaport for receiving petroleum products. Current annual throughput of 21.2 million tons of cargo and 128.8 million barrels of petroleum products. Cruise terminal serves 3.1 million passengers annually.	48 miles northeast of Turkey Point site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010	No
Port of Miami	Large full-service deepwater seaport. Current annual cargo throughput of 6.8 million tons. Cruise terminal serves 4.1 million passengers annually.	26 miles northeast of Turkey Point site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010	No
Port of Miami Tunnel & Access Improvement Project	The project will improve access to and from the Port of Miami, serving as a dedicated roadway connector linking the Port with the MacArthur Causeway (State Road A1A) and I-395. The project consists of three primary components: widening of the MacArthur Causeway Bridge; tunnel connections between Watson Island and Dodge Island (the Port of Miami); and connections to the Port of Miami roadway system.	26 miles northeast of Turkey Point site	Planned. Construction began in July 2010 and the project could be operational by 2014.	FHWA Undated, Wallis Jul 2010	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
SR826/SR836 Interchange Reconstruction	The project involves a major upgrade to the interchange. Capacity improvements include the reconstruction and widening along both SR826 (Palmetto Expressway) and SR836 (Dolphin Expressway), construction of a four-level interchange, and modifications of the Flagler Street/SR826 and the Milam Dairy Road/NW 72nd Avenue/SR836 interchanges.	26 miles north of Turkey Point site	Planned. Construction began in October 2009 and is scheduled to be completed by late 2014	FHWA Undated	No
Tampa – Orlando – Miami High-Speed Intercity Passenger Rail	This project would provide high-speed rail service from Tampa to Miami (through Orlando) with stops in West Palm Beach and Ft. Lauderdale. The termini for Orlando -Miami corridor are the Orlando International Airport (OIA) and the Miami Intermodal Center at the Miami Airport (MIA).	26 miles north of Turkey Point site	Proposed. Phase 1 (Tampa-Orlando corridor) is ongoing. Project development for Phase 2 (Orlando-Miami corridor) began in May 2010.	FDOT May 2010	No
Big Cypress National Preserve	Over 729,000 acres of valuable habitat for a variety of threatened and endangered species, including the Florida panther, West Indian manatee, red cockaded woodpecker, and wood storks. Public recreational activities include bird watching, camping, canoeing, bicycling, off road vehicles, hunting, hiking, and wildlife observation.	44 miles northeast of Turkey Point site	Development limited within property.	NPS Jun 2009	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Bill Baggs Cape Florida State Park	The upland areas of Cape Florida have undergone a phenomenal transformation since Hurricane Andrew in 1992. Native plant communities have been recreated through continuous staff and volunteer efforts of planting and exotic plant eradication and control. About three miles beach and shoreline are the main attraction for the majority of the park visitors and provides opportunities for picnicking, swimming, bicycling, fishing, primitive camping and nature appreciation.	20 miles north of Turkey Point site	Development limited within property.	FDEP Mar 2001	No
Biscayne National Park	A meld of four distinct ecosystems (mangrove forests, Biscayne Bay, Florida Keys islands, and coral reefs) supporting diverse wildlife including threatened and endangered species such as the West Indian manatee, eastern indigo snake, piping plover, American crocodile, peregrine falcon, Schaus' swallowtail butterfly, least tern, and five species of sea turtle. Public recreational activities include picnicking, hiking, wildlife watching, snorkeling, scuba diving, canoe/kayaking, and fishing.	Adjacent to eastern edge of Turkey Point site property	Development likely limited within property.	NPS Jul 2010a	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Crocodile Lake National Wildlife Refuge	The Refuge covers 6,700 acres of land, including 650 acres of open water. It contains a mosaic of habitat types, such as tropical hardwood hammock, mangrove forest, and salt marsh. These habitats are vital for hundreds of plants and animals including six federally listed species. The refuge is closed to the public however there is an interpretive butterfly garden adjacent.	12 miles south of Turkey Point site	Additional land acquisition is planned. Development likely limited within property.	USFWS Feb 2006	No
Curry Hammock State Park	The 970 acres represents the remaining example of the natural communities of the Middle Florida Keys and contains tropical hardwood hammocks, salt marshes, and mangrove wetlands. Public recreation activities include swimming, hiking, canoeing/kayaking, and camping.	26 miles southwest of Turkey Point site	Additional 23 acre land acquisition is planned. Development likely limited within property.	FDEP Feb 2005	No
Dagny Johnson Key Largo Hammock Botanical State Park	The 2,454 acres of park contain the largest intact West Indian hardwood hammock in the US harboring an extensive list of threatened and endangered plants and animals. In addition a very rare coastal rock barren community, a shoreline dominated by marine tidal swamps, and significant wetland habitat. Public recreation activities include hiking, picnicking, guided nature walks, and educational programs.	12 miles south of Turkey Point site	Development likely limited within property.	FDEP Sep 2004a	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Everglades National Park	Primarily comprised of internationally important wetlands that cover 1,508,533 acres and are home to rare and endangered species such as the American crocodile, Florida panther, and West Indian manatee.	29 miles west of Turkey Point site	181,000 acres of additional land acquisition is proposed. Development likely limited within property.	NPS Jul 2010b, FNAI 2008, Thomas Reuters 2009	No
Florida Keys Wildlife and Environmental Area	An archipelago of small sites totaling 3,089 acres containing some of the best examples of tropical hardwood hammocks remaining in Florida. These sites protect native plants and animals, many of which are found nowhere else in the US. Recreational facilities or trails have not been developed in order to protect the sites' sensitive natural resources.	31 miles southeast of Turkey Point site	Development of facilities for public use is constrained by the presence of many unique plant and animal species.	USFWS Undated	No
Indian Key Historic State Park	The 110 acre property consists mostly of wetland and water areas that attract boaters for snorkeling and fishing activities. The ruins of the historic settlement on the island are available to the public via guided or self-guided tours.	43 miles southwest of Turkey Point site	Development of facilities for public use limited within property.	FDEP Jun 2000a	No

**Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site
During the Construction Period (2013-2022)**

Project Name	Summary of Project	Location	Status	Reference	Retained
John Pennekamp Coral Reef State Park	Submerged land covers over 98% of the 63,836 acres of the park. The water area contains the only living coral reef in the US and the land area consists of over 80,000 linear feet of shoreline with beaches and tropical hammocks. Public recreation activities include swimming, snorkeling, scuba diving, fishing, canoeing, glass bottom boat tours, hiking, camping, and nature appreciation.	17 miles south of Turkey Point site	Additional land acquisition is proposed. Development of facilities for public use limited within property.	FDEP Sep 2004b	No
John U. Lloyd Beach State Park	The park contains 311 acres on the Atlantic Ocean and Intercoastal Waterway and contains natural communities such as beach dunes, coastal strands, maritime hammocks, and tidal swamps. These provide habitat for 11 imperiled plant species and 20 imperiled animals. Public recreation facilities include two large beach use areas, seven large picnic pavilions, a two-lane boat ramp, a pavilion that provides nature study and environmental education opportunities, and a concession stand that provides; food services, and rentals.	47 miles north of Turkey Point site	Development of facilities for public use limited within property.	FDEP May 2001	No

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Project Name	Summary of Project	Location	Status	Reference	Retained
Lignumvitae Key Botanical State Park	Lignumvitae Key is the only Florida Key that is still in its natural state and was chosen as the state's first botanical park. Its rare and delicate ecosystem primarily consists of subtropical hardwood hammock. The smaller island Shell Key is primarily a mangrove island and has been left undisturbed. Islands accessible only by private boat. Public recreation activities include boating, fishing, snorkeling, and diving.	42 miles southwest of Turkey Point site	Development of facilities for public use limited within property.	FDEP Dec 2000	No
Mary Krome Bird Refuge	2.5 acre preserve is bordered on two sides by avocado groves. Public recreation activities include bird and butterfly watching	10 miles northwest of Turkey Point site	Development unlikely in the future.	NABA Undated	No
Oleta River State Park	The park's 1.7 miles of the Oleta River and its associated mangrove wetlands are important habitat for many species. The West Indian manatee and golden leather fern are among the 40 designated plant and animal species found in the 1033 acre park. Public recreation activities include picnicking, swimming, canoeing, fishing, bicycling/jogging, and primitive camping.	36 miles north of Turkey Point site	Development of facilities for public use limited within property.	FDEP Dec 2008	No

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Project Name	Summary of Project	Location	Status	Reference	Retained
San Pedro Underwater Archaeological Preserve State Park	The 644 acre preserve consists of the 1733 shipwreck "San Pedro" surrounded by a ring of sandy substrate and seagrass beds. Public recreation activities include snorkeling, scuba diving, and glass bottom boat tours.	45 miles southwest of Turkey Point site	Development unlikely in the future.	FDEP Jun 2000b	No
The Barnacle Historic State Park	The historic structures in this 9 acre park were built in the late 1800s and include a boat house, carriage house, and the Barnacle house which was originally built as a wooden bungalow four feet off the ground on pilings. About half of the surrounding land supports a tropical hardwood hammock. The primary public activity on the site is visiting the historic home and touring the grounds.	21 miles north of Turkey Point site	Development unlikely in the future.	FDEP Aug 2003	No
Windley Key Fossil Reef Geological State Park	While the upland area at the 32 acre park contains one of the finest hardwood hammocks in the Florida Keys, the park's main attraction is the fossil coral reef exposed by the keystone quarry operations. Public recreation activities include education and interpretation programs, hiking, and nature appreciation.	36 miles southwest of Turkey Point site	Development unlikely in the future.	FDEP May 2003	No

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Project Name	Summary of Project	Location	Status	Reference	Retained
Everglades Mitigation Bank (EMB)	The EMB is a 13,249 acre site permitted by the state of Florida and the Army Corps of Engineers. The EMB consists of land located between U.S. Highway 1 and Card Sound Road and east of Card Sound Road extending to Card Sound, then north along the L-31E Canal. EMB activities would be in accordance with permit conditions.	Just southwest of the Turkey Point site and east of U.S. Highway 1.	Development unlikely in the future.	FDEP Oct 1996, FDEP Oct 2003, USACE and SFWMD Aug 2002	Yes
Comprehensive Everglades Restoration Plan (CERP) Projects					
Biscayne Bay Coastal Wetlands Project - Phase 1	The project would expand and restore wetlands adjacent to Biscayne Bay, and enhance the ecological health of Biscayne National Park. Phase 1 incorporates most of the Deering Estate features, including a spreader canal, culverts, and canal improvements. The Cutler Wetlands features include culverts, a canal and restoration of the Lennar Flow-way. The L-31E Flow-way/ North Canal Flow-way features include a spreader canal and several culverts.	1.5 miles west of Turkey Point site	Proposed. Design and permitting of Phase 1 completed. Construction of L-31E culverts and Deering Estates Flow-way began in 2010. Construction of Cutler Wetlands scheduled to begin in 2011.	SFWMD Jun 2010, USACE Jun 2010	Yes

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Broward County Water Preserve Areas	Project serves as a seepage control buffer between developed urban areas and the Everglades. Components include: Water Conservation Areas 3A/3B Levee Seepage Management, C-11 Impoundment, and C-9 Impoundment.	37 miles north of Turkey Point site	Proposed. Basis of Design Report completed. Construction of C-11 Impoundment scheduled to begin in 2012.	SFWMD Jun 2010, USACE Nov 2009	No
C-11 Spreader Canal Western Project	The project would establish more natural water flows in Taylor Slough to improve the timing, distribution and quantity of fresh water flowing into Florida Bay.	6 miles southwest of Turkey Point site	Proposed. Design testing completed. Construction began in 2010.	SFWMD Jun 2010, USACE May 2009	Yes
Central Lake Belt Storage Area	The project would store excess water from Water Conservation Areas 2 and 3 and provide environmental water supply deliveries to Northeast Shark River Slough, Water Conservation Area 3B, and to Biscayne Bay.	30 miles north of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	No
Everglades National Park Seepage Management Project	Project to improve water deliveries to Northeast Shark River Slough and restore wetland in Everglades National Park by reducing levee and groundwater seepage and increasing sheetflow. There are three components: L-31N Levee Improvements for Seepage Management, S-356 Structure Relocation and Bird Drive Recharge.	22 miles northwest of Turkey Point site	Proposed. Construction scheduled to begin in 2014.	USACE Mar 2006, USACE Nov 2009	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
L-31N (L-30) Seepage Management Pilot Project	Project evaluates the uncertainty and constructability of seepage management technology for possible full-scale use along Everglades National Park.	19 miles northwest of Turkey Point site	Proposed. Project activities expected to be completed in 2012.	USACE Nov 2009	No
Melaleuca Eradication and other Exotic Plants	Project enhances efforts to control invasive exotic species in south Florida through mass clearing and controlled release of biological agents.	Throughout the region	Proposed. Project is scheduled to begin in 2011.	USACE Nov 2009	No
Miccosukee Tribe Water Management Plan	Project includes providing water storage capacity and water quality enhancement for Miccosukee Tribe's reservation discharge waters and conversion of 900 acres tribally owned cattle pasture into a managed wetland retention/detention area.	45 miles northwest of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	No
North Lake Belt Storage Area	Project will include an in-ground storage reservoir with a total capacity of approximately 90,000 acre feet and associated canals, pumps, and water control structures. It will store a portion of the stormwater runoff from the C-6, C-11, and C-9 basins.	34 miles north of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Restoration of Pineland and Hardwood Hammocks in C-111 Basin	This project includes restoring south Florida slash pine and hardwood hammock species on a 200-foot wide strip on each side of two miles of Florida State Road 9336 and the establishment of two, one acre hammocks alongside the road. The project will provide water quality treatment for runoff passing through the hammocks and demonstrate techniques required to re-establish native conifer and hardwood forests.	14 miles west of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	No
South Miami-Dade Reuse	Project will include an expansion in the existing South District Wastewater Treatment Plant to provide additional water supply to the South Biscayne Bay and Coastal Wetlands Enhancement Project at sufficient quantity and water quality to meet the ecological goals and objectives of Biscayne Bay. This will require construction of a pretreatment and membrane treatment system.	6 miles north of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	Yes

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Water Conservation Area 2B Flows to Everglades National Park	The project purpose is to store excess water from Water Conservation Area 2 in the Central Lake Belt Storage Area through control structures and conveyance features. Additionally, the project will supplement environmental water supply deliveries to North Shark River Slough, Water Conservation Area 3B and Biscayne Bay.	30 miles north of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	No
Water Conservation Area 3 Decentralization and Sheetflow Enhancement Project	Construction of new water control structures and modification or removal of levees, canals, and water control structures in Water Conservation Areas 3A and 3B for reestablishment of the ecological and hydrologic connection with Everglades National Park.	25 miles northwest of Turkey Point site	Proposed. EIS currently being drafted.	USACE Nov 2009	No
West Miami-Dade Reuse	The project includes a wastewater treatment plant expansion of a future West Miami-Dade Wastewater Treatment Plant to meet water demands from the Bird Drive Recharge Area, South Dade Conveyance System, and Northeast Shark River Slough.	21 miles northwest of Turkey Point site	Proposed. Currently in preconstruction design.	USACE Undated	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Modified Water Deliveries to Everglades National Park	Project restores the natural hydrologic conditions in Everglades National Park, which were altered by the construction of roads, levees, and canals. The project includes four major components: an 8.5 mile area flood mitigation, Tamiami trail modifications, conveyance and seepage control features, and a combined operation plan.	22 miles northwest of Turkey Point site	Construction underway. Project Completion anticipated in 2013.	USACE Nov 2009	No
C-111 South Dade Project	Project enhances freshwater wetlands and improves freshwater flows in the Southern Glades and in southern Miami-Dade County. It improves the hydrology of the coastal marshlands of northeastern Florida Bay.	6 miles southwest of Turkey Point site	Proposed. Preliminary design of initial phase completed. Project completion anticipated in 2014.	USACE Nov 2009	Yes
Mining Projects					
Card Sound Quarry	Crushed limestone mine	8 miles southwest of Turkey Point site	Operational	USGS 2005	No
Continental Florida Materials Pit #1	Crushed limestone mine	28 miles north of Turkey Point site	Operational	USGS 2005	No
F.E.C. Quarry	Crushed limestone mine	32 miles northwest of Turkey Point site	Operational	USGS 2005	No
Krome Quarry	Crushed limestone mine	21 miles northwest of Turkey Point site	Operational	USGS 2005	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Lake 6 Quarry	Crushed limestone mine	33 miles north of Turkey Point site	Operational	USGS 2005	No
Miami Quarry	Crushed limestone mine	26 miles north of Turkey Point site	Operational	USGS 2005	No
Pennsuco Quarry	Crushed limestone mine	32 miles north of Turkey Point site	Operational	USGS 2005	No
S.C.L. Quarry	Crushed limestone mine	25 miles northwest of Turkey Point site	Operational	USGS 2005	No
Sawgrass Quarry	Crushed limestone mine	37 miles northwest of Turkey Point site	Operational	USGS 2005	No
Sunshine Rock Quarry	Crushed limestone mine	25 miles northwest of Turkey Point site	Operational	USGS 2005	No
White Rock Quarry	Crushed limestone mine	36 miles north of Turkey Point site	Operational	USGS 2005	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Other Actions/Projects					
Central and Southern Florida Flood Control Project	The C&SF Flood Control Project was intended to provide flood control, water supply, prevention of saltwater intrusion, and protection of fish and wildlife resources. It includes 1000 miles of canals, 720 miles of levees, and almost 200 water control structures. It covers 16 counties over an 18,000-square-mile area. The existing project provides water supply, flood protection, water management and other benefits to South Florida. The project has had unintended negative effects on the Everglades and the entire south Florida ecosystem.	Throughout the region.	Operational	HRA Jun 2006	No
Independent Spent Fuel Storage Facility for Turkey Point Power Plant Units 3 & 4	The Units 3 & 4 ISFSI will be a dry storage facility for spent nuclear fuel that would not have a liquid discharge and would only have limited operational activities.	Co-located on the Turkey Point site	Proposed. Facility currently under construction. Loading expected in 2011.	FDEP Jun 2009 FPL Nov 2010	Yes
AAR Landing Gear Center	Repair and rebuild aircraft landing gears and brakes.	30 miles northwest of Turkey Point site	Operational	M-D DERM Jul 2009	No
Aero Kool Corporation	Overhaul aircraft air cycle equipment and heat exchangers and operation of degreaser baths and paint booths	27 miles northeast of Turkey Point site	Operational	M-D DERM Feb 2006	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
American Whirlpool Products Corporation	Acrylic and fiberglass bath and spa manufacturer	43 miles northeast of Turkey Point site	Operational	BCEPGMD Dec 2003	No
Angler Boat Corporation	Fiberglass boat manufacturer	29 miles northeast of Turkey Point site	Operational	M-D DERM Dec 2006	No
Benada Aluminum of Florida Inc	Extruded aluminum products manufacturer	29 miles northeast of Turkey Point site	Operational	M-D DERM Mar 2006	No
Bertram Yacht Inc	Fiberglass boat manufacturer	26 miles northeast of Turkey Point site	Operational	M-D DERM Sep 2009	No
Blumberg Industries -Fine Art Lamps	Lamp manufacturer	33 miles northeast of Turkey Point site	Operational	M-D DERM Nov 2008	No
CEMEX Miami	Cement kiln	25 miles northeast of Turkey Point site	Operational	M-D DERM Mar 2008b	No
Cigarette Racing Team LLC	Fiberglass boat manufacturer	32 miles northeast of Turkey Point site	Operational	M-D DERM Feb 2010	No
Contender Boats Inc	Fiberglass boat manufacturer	6 miles northeast of Turkey Point site	Operational	M-D DERM Aug 2008	No
DM Industries Ltd	Acrylic and fiberglass bath and spa manufacturer	34 miles northeast of Turkey Point site	Operational	M-D DERM Dec 2008	No
Dusky Marine Inc.	Fiberglass boat manufacturer	45 miles northeast of Turkey Point site	Operational	BCEPGMD Jun 2008	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Dyplast Products, LLC	Polystyrene and polyurethane products manufacturer	32 miles northeast of Turkey Point site	Operational	M-D DERM Aug 2007	No
Eastern Aero Marine, Inc.	Inflatable vest and raft manufacturer	28 miles northeast of Turkey Point site	Operational	M-D DERM Jan 2010	No
Englehard Hex Core	Nomex honeycomb board, and fiberglass honeycomb board and rotor manufacturer	28 miles northeast of Turkey Point site	Operational	M-D DERM Sep 1999	No
Exteria Building Products, LLC.	Polypropylene siding manufacturer	35 miles northeast of Turkey Point site	Operational	M-D DERM Oct 2008, M-D DERM May 2009b	No
Flowers Baking Company of Miami	Commercial bread bakery	36 miles northeast of Turkey Point site	Operational	M-D DERM Mar 2009b	No
Goodrich Corporation Landing Systems Services	Landing gear refurbishing facility	35 miles northeast of Turkey Point site	Operational	M-D DERM May 2010	No
Homestead-Miami Speedway	The 1087 acre speedway hosts a wide variety of national, regional and local motorsport events, including the final races for all three NASCAR national championship series and two Indy Car championship series. The facility has seating capacity for 67,612 spectators.	5 miles northwest of Turkey Point site	Operational	HMS 2010	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Homestead-Miami Speedway Improvements.	This project would expand the spectator area to include 120 acres currently used for overflow parking add 12,000 spectator seats.	5 miles northwest of Turkey Point site	Proposed. If approved the project is scheduled to be completed in 2013.	HMS 2010	Yes
Media Printing Corporation	Commercial printer	29 miles northeast of Turkey Point site	Operational	BCEPGMD Dec 2009b	No
Miami Seaquarium	The 38 acre marine park is an entertainment venue that is dedicated to education, wildlife conservation and community involvement.	23 miles northeast of Turkey Point site	Operational	Miami Seaquarium 2009	No
Miami-Dade Water and Sewer Department - Alexander Orr Water Treatment Plant	Water treatment plant also operates a 150 tpd rotary lime kiln	19 miles northwest of Turkey Point site	Operational	M-D DERM Jul 2008	No
Miami-Dade Water and Sewer Department - Hialeah/Preston Water Treatment Plant	Water treatment plant also operates a 120 tpd rotary lime kiln and 64 air stripping towers	28 miles northeast of Turkey Point site	Operational	M-D DERM Jan 2006	No
Midnight Express Powerboats	Fiberglass boat manufacturer	46 miles northeast of Turkey Point site	Operational	BCEPGMD Jun 2009	No
Ram Investments of South Florida - Sea Enterprise Adventures	Fiberglass boat manufacturer	28 miles northeast of Turkey Point site	Operational	M-D DERM Jun 2006	No

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Turkey Point Site During the Construction Period (2013-2022)					
Project Name	Summary of Project	Location	Status	Reference	Retained
Titan America, LLC - Pennsuco Cement	Cement kiln	31 miles northwest of Turkey Point site	Operational	M-D DERM Sep 2008	No
US Foundry & Manufacturing Company	Gray iron foundry and cast iron products manufacturer	30 miles northwest of Turkey Point site	Operational	M-D DERM Apr 2010	No
Water Reclamation and Wastewater Treatment Plants	Numerous plants	Within 50 miles of Turkey Point site	Operational	FDEP Aug 2010a, FDEP Aug 2010b	No
Future Urbanization	Construction of housing units and associated commercial buildings; roads, bridges and rail; construction of water and/or wastewater treatment facilities and associated pipelines.	Throughout the region.	Construction would occur in the future, as described in state and local land-use planning documents.	MDC Nov 2007	No
<p>Note: All the projects listed in the table would have impacts on land use, water use, ecology, and socioeconomics within the 50-mile radius of the Turkey Point Units 6 & 7 project.</p>					

This response is PLANT SPECIFIC.

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ASSOCIATED COLA REVISIONS:

ER Sections 4.7 and 5.11 will be updated in a future revision to reflect the additional cumulative impacts analyses.

ASSOCIATED ENCLOSURES:

None

SRP Section: Environmental Report Section 9.3 – Alternative Sites

Question from Environmental Audit Data and Information Needs

NRC RAI Number: Environmental Audit Data and Information Need No. G-8

Have available a subject matter expert responsible for analysis of cumulative impacts at the alternative sites. Have available for review any documentation of past, present, and reasonably foreseeable future projects that could contribute to cumulative impacts within each alternative site project area.

FPL RESPONSE:

ER Chapter 9.3 will be updated in a future revision to include a detailed search of all past, present, and reasonably foreseeable Federal, non-Federal, and private projects within a 50-mile radius of the alternative sites – Martin, Okeechobee 2, Glades, and St. Lucie - that requested either an air or water permit/license or had an environmental impact statement completed. The search will be accomplished by querying federal (e.g. USCOE, USGS), state (e.g. FDEP, FDOT), and local (e.g. county) websites, excluding all Brownfield and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites. Projects included in each table (provided below) met the limited screening criteria of being within the 50-mile radius of the individual site center point and appropriate timeframe for construction and operation of the new units. The timeframe for potential projects that could contribute to cumulative impacts during construction and operation at the alternative sites was 2013 to 2063, based on a construction start year of 2013 and a construction completion year (Unit 7) in 2023, assuming a 40 year operational license. This list is not intended to be exhaustive and should not be used to imply that no other past, present or reasonably foreseeable projects exist that could contribute to cumulative impacts within each alternative site project area.

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Energy Projects				
Charlotte County Solid Waste Management Facility – Landfill Gas to Energy Project	Two-unit, 3.2-MW landfill gas-fired plant	49 miles west of the Glades site	Proposed. Air construction permit issued November 2009.	FDEP Nov 2009a
Desoto County Energy Park	Two-unit, 340-MW gas- and oil-fired plant	48 miles northwest of the Glades site	Operational	FDEP Jan 2008a
Florida Gas Transmission - Phase VIII Expansion Project	Construction and operation of 483.2 miles of pipeline facilities, including an 89.8-mile long natural gas pipeline in a new right-of-way that runs from DeSoto County through Highlands and Okeechobee Counties to the FPL Martin Plant site.	DeSoto, Highlands, Okeechobee, and Martin Counties	Proposed. Final EIS issued September 2009.	FERC Sep 2009
Floridian Natural Gas Storage Company – Natural Gas Storage Facility	Liquefied natural gas storage, liquefaction, and vaporization facility with storage capacity of eight billion cubic feet of natural gas	43 miles northeast of the Glades site	Proposed. Final EIS issued July 2008.	FERC Jul 2008
FPL - DeSoto Next Generation Solar Energy Center	25-MW solar photovoltaic plant	50 miles northwest of the Glades site	Operational	FPL Feb 2010
FPL - Fort Myers Plant	Two-unit, 2503-MW gas- and oil-fired plant	39 miles southwest of the Glades site	Operational	FDEP Jan 2008b
FPL - Martin Next Generation Solar Energy Center	75-MW solar thermal plant	40 miles northwest of the Glades site	Proposed. Currently under construction, expected completion 3Q 2010.	FPL May 2008
FPL - Martin Plant	Five-unit, 3734-MW gas- and oil-fired plant	45 miles northwest of the Glades site	Operational	FDEP Nov 2009b
FPL - West County Energy Center	Two-unit, 2500-MW gas-fired plant	50 miles southeast of the Glades site	Operational	FDEP Jul 2008a
FPL - West County Energy Center, Unit 3	Single unit, 1250-MW gas-fired plant	50 miles southeast of the Glades site	Proposed. Unit 3 under construction, expected completion in 2011.	FDEP Jul 2008a
FPL - St. Lucie Plant	Two-unit, 1680-MW nuclear plant	67 miles northeast of the Glades site	Operational	FPL Dec 2007

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
FPL - St. Lucie Uprate Project	The project will increase the net electrical generation for Units 1 & 2 by 104-MW each.	67 miles northeast of the Glades site	Proposed. Site Certification Application approved by FPSC in 2008.	FPL Dec 2007
Highlands Ethanol Facility	39.4-MGPY cellulosic ethanol refinery	20 miles northeast of the Glades site	Proposed. Air Construction Permit issued March 2010.	FDEP Mar 2010a
Indiantown Cogeneration Plant	Single unit, 330-MW coal-fired plant with 2 gas-fired auxiliary boilers.	43 miles northeast of the Glades site	Operational	FDEP Jan 2010
Lee County Resource Recovery Facility	Three-unit, 60-MW municipal solid waste (MSW)-fired plant	40 miles southwest of the Glades site	Operational	FDEP Jul 2009
New Hope Power Company - Okeelanta Cogeneration Plant	Three-unit, 140-MW biomass-fired plant	31 miles southeast of the Glades site	Operational	FDEP May 2005
Okeechobee Landfill – Landfill Gas to Energy Project	Four- unit, 25.5-MW landfill gas-fired plant	46 miles northeast of the Glades site	Proposed. Air construction permit issued April 2010.	FDEP Apr 2010
Southeastern Renewable Fuels Biorefinery and Cogeneration Plant	22 MGPY cellulosic ethanol refinery and a 30-MW biomass-fired power plant	20 miles southeast of the Glades site	Proposed. Application for air construction permit submitted March 2010.	Golder Mar 2010
Tampa Electric Company – J.H. Phillips Station	Two-unit, 42-MW oil-fired plant	44 miles northwest of the Glades site	Operational	FDEP May 2009
Transportation Projects				
Arcadia Municipal Airport	General aviation airport	48 miles northwest of the Glades Site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Immokalee Regional Airport	Air cargo and general aviation airport	30 miles southwest of the Glades Site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Indiantown Airport	General aviation airport	47 miles northeast of the Glades Site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Okeechobee County Airport	General aviation airport	36 miles northeast of the Glades Site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Page Field Airport	General aviation and reliever airport for Southwest Florida International	46 miles southwest of the Glades Site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach County Glades Airport	General aviation airport	29 miles east of the Glades Site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Sebring Regional Airport	General aviation airport. The old runway system is now Sebring International Raceway.	45 miles north of the Glades Site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Shell Creek Airpark	General aviation airport	47 miles west of the Glades Site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Southwest Florida International Airport	Full service airport - commercial airlines, air cargo, and general aviation	41 miles southwest of the Glades Site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Tampa - Orlando – Miami High-Speed Intercity Passenger Rail	This project would provide high-speed rail service from Tampa to Miami (through Orlando) with stops in West Palm Beach and Ft. Lauderdale. The termini for the Orlando -Miami corridor are the Orlando International Airport (OIA) and the Miami Intermodal Center at the Miami Airport (MIA).	Route follows the Florida Turnpike corridor from Orange County through Osceola, Okeechobee, St. Lucie, Martin and Palm Beach Counties	Proposed. Phase 1 (Tampa-Orlando corridor) is ongoing. Project development for Phase 2 (Orlando-Miami corridor) began in May 2010.	FDOT May 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Parks and Nature Preserve Facilities				
Archbold Biological Station	An independent, non-profit research facility, devoted to long-term ecological research and conservation. The Station owns and manages a 5,000-acre preserve that is a matrix of pristine native vegetation, including oak and rosemary scrubs, pine flatwoods, and cutthroat seeps and seasonal wetlands. The station also manages the 10,500-acre MacArthur Agro-ecology Research Center (MAERC) at Buck Island Ranch.	27 miles northwest of the Glades site	Development likely limited within this area	ABS Feb 2004
Arthur R. Marshall Loxahatchee National Wildlife Refuge	Management of species and habitats to enhance the native biodiversity and integrity of the Everglades ecosystem. Recreational activities include hunting, fishing, canoeing, boating, and wildlife viewing.	47 miles southeast of the Glades Site	Additional land acquisition and expansion of visitor facilities are planned. Other development would be limited within this refuge.	USFWS Sep 2000
Babcock Ranch Preserve	The 73,239 acre state conservation activities include cattle ranching, silviculture tenant farming, horticultural debris disposal, ecotourism, and natural resource based recreation such as hiking, hunting, and fishing.	25 miles west of the Glades Site	Addition of hiking, biking, and horse trails and camping facilities is planned. Other development would be limited.	FFWCC Jul 2008
Barley Barber Swamp	A one-mile boardwalk runs through a cypress swamp. On FLP owned Martin site land. Public access requires advance reservation.	36 miles northeast of the Glades Site	Development likely limited within this refuge	FFWCC Jul 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Big Cypress National Preserve	Over 729,000 acres of valuable habitat for a variety of threatened and endangered species, including the Florida panther, West Indian manatee, red cockaded woodpecker, and wood storks. Public recreational activities include bird watching, camping, canoeing, bicycling, off road vehicles, hunting, hiking, and wildlife observation.	41 miles south of the Glades Site	Additional facilities to further accommodate public use such as hunting, hiking, boat, and van tours are planned. Other development likely limited within property.	NPS Jun 2009
Big Water Heritage Trail	Scenic auto route circling Lake Okeechobee passing through five counties and going by multiple natural and historic sites.	2 miles east of the Glades Site	Development likely limited at specific points along the trail.	SWFRPC 2009
Dinner Island Ranch Wildlife Management Area	The 21,667 acre property was purchased as part of the Panther Glades Florida Forever Land Acquisition Project to protect and manage significant natural habitat of exotic plant and animals.	23 miles south of the Glades Site	Additional land acquisition is planned. Development likely limited within property.	FFWCC Jun 2005
DuPuis Wildlife and Environmental Area	21,875 acres managed to conserve and protect water resources as well as protect and restore land resources to its natural state. Recreation activities include hunting, fishing, horseback and bicycle riding, canoeing, camping, and hiking.	36 miles east of the Glades Site	Development likely limited within this refuge.	SFWMD Jun 2008
Estero Bay Preserve State Park	10,405 acres managed to protect Estero Bay's water quality, and its native plants and animals. Recreational opportunities include bicycling, hiking, bird watching, and nature appreciation.	Closest parcel of land is 50 miles southwest of the Glades Site	Additional land acquisition is planned. Development likely limited within property.	FDEP Dec 2004
Fisheating Creek Wildlife Management Area	The 18,272 acre property is used for conservation and protection of the natural communities along the shores of Fisheating Creek. Contains natural summer roosts for endangered swallowtail kites.	6 miles northwest of the Glades Site	Development limited within property.	FFWCC Feb 2003

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Florida National Scenic Trail	Scenic hiking trail stretches over 1400 miles across the state and traverses nearly all of Florida's unique habitats and includes the Lake Okeechobee Scenic Trail. Portions of the trail are accessible for bicycling, horseback riding, or inline skating.	2 miles east of the Glades Site	Development likely limited at specific points along the trail.	USDAFS Feb 2006
Florida Panther National Wildlife Refuge	Home to one of the last populations of the endangered Florida panther. Established to conserve fish, wildlife, and plants which are listed as endangered or threatened species. Recreational activities are limited to hiking and wildlife viewing.	43 miles south of the Glades Site	Development likely to be minor and limited within this refuge.	USFWS Oct 1998
Highlands Hammock State Park	One of Florida's first state parks. Public outdoor recreation and conservation is the designated single use of the 9251 acre property. Recreation activities include camping, picnicking, hiking, horse and bicycle riding.	45 miles northwest of the Glades Site	Development includes, refurbishing of existing facilities, and creating an additional day use area.	FDEP Feb 2007
Hungryland Wildlife and Environmental Area	The 10,294 acre property was purchased to conserve and protect environmentally unique and irreplaceable lands including relatively undisturbed, high quality pine flatwoods. Recreation activities include hiking, horseback riding, hunting, and fishing.	47 miles east of the Glades Site	Development likely limited within this property.	FFWCC Feb 2002
J.W. Corbett Wildlife Management Area	Management of unique tropical hardwood hammocks and slash pine flatwoods habitat of the South Florida systems and recovery of the endangered and threatened species that occur there. The vast majority of the 60,288 acre property is used for wildlife management and public hunting.	41 miles east of the Glades Site	Additional land acquisition is planned. Planned public uses will include hunting, fishing, and horseback riding.	FFWCC Apr 2003

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Kissimmee Prairie Preserve State Park	Public outdoor recreation and conservation is the single use of the 53,760 acres property. Recreation activities include hiking, biking and horse riding trails, camping, picnicking, and interpretive programs.	47 north of the Glades Site	Development of new visitor center is planned. Other development likely limited within this property	FDEP Apr 2005a
Koreshan State Historic Site	The site is comprised of a 142 acre historic district that contains natural landscapes and the remains of a utopian pioneer settlement dating to the 1890's, and 52 acres of mangrove community located at the mouth of the Estero River. Recreation activities include picnicking, fishing, camping, nature study and boating.	50 miles southwest of the Glades Site	Development likely limited within this property	FDEP Aug 2003
Lake June in Winter Scrub State Park	Some of the finest remnants of scrub habitat found in peninsular Florida and supports a significant population of Florida scrub jays and five listed plant species. The primary recreation activities focus on the shoreline of the lake.	34 miles northwest of the Glades Site	Development likely limited within this property	FDEP Feb 2004
Lake Okeechobee	Lake Okeechobee is the second largest freshwater lake within the continental United States and is a nationally recognized bass and pan fishing resource. The Lake offers other recreational amenities as well. Air boat and swamp buggy rides, bike riding, hiking, picnicking, camping, and nature interpretation are popular land based recreation activities in the region.	5 miles northeast of the Glades Site	Development likely limited within this area	FDEP Jun 2010
Lake Okeechobee Scenic Trail	A 110 mile long hiking trail circling Lake Okeechobee atop the Herbert Hoover Dike offers scenic views of lakeside and agricultural landscapes. The trail provides opportunities for hiking, bicycle and horseback riding, bird watching, and fishing.	2 miles east of the Glades Site	Development likely limited at specific points along the trail.	FDEP Jun 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Lake Wales Ridge National Wildlife Refuge	Management of unique scrub habitat of the Central Florida ridge systems and recovery of the endangered and threatened species that occur there. Public access to refuge is limited to guided tours only.	Closest parcel of land is 24 miles northwest of the Glades Site	Additional land acquisition is planned. Development likely limited within this area.	USFWS Apr 2010
Lake Wales Ridge Wildlife and Environmental Area	Management and restoration of unique scrub habitat of the Central Florida ridge systems and recovery of the endangered and threatened species that occur there. Public access to refuge is limited to guided tours only.	Closest parcel of land is 24 miles northwest of the Glades Site	Development likely limited within this area.	FFWCC Sep 2002
Okaloacoochee Slough Wildlife Management Area	A 2,923 acre property managed to maintain and restore the Okaloacoochee Slough sawgrass marsh unique lands and threatened and endangered species associated with it. Public activities include hunting, fishing, bird watching, horseback riding, hiking, nature study, wildlife viewing, picnicking, and primitive camping. Access limited to eastern side of property.	17 miles southwest of the Glades Site	Additional acquisition is planned of surrounding land. Development likely limited within this area.	FFWCC Dec 2001
Spirit of the Wild Wildlife Management Area	This 7487 acre property is managed to protect existing slough or "river grass" natural community which forms an important habitat for numerous species of concern, as well as form a hydrological connection with protected lands to the east and south. Public recreation activities include hunting, fishing, horseback riding, hiking, nature study, wildlife viewing, picnicking, and primitive camping.	20 miles southwest of the Glades Site	Additional acquisition is planned. Development likely limited within this area.	FFWCC Sep 2006

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Comprehensive Everglades Restoration Plan Projects				
C-43 Basin Aquifer Storage and Recovery	The project will consist of aquifer storage and recovery wells with a capacity of approximately 220 million gallons per day in order to capture C-43 Basin runoff and releases from Lake Okeechobee.	24 miles southwest of the Glades Site	Currently in pre-construction design. Pilot plant in operation.	USACE Undated
Caloosahatchee River (C-43) West Basin Storage	Project to establish in Hendry County, a large storage reservoir along the Caloosahatchee River to capture and store stormwater runoff from the C-43 basin and reduce excess water flow to the Caloosahatchee Estuary. It will also capture and store regulatory releases from Lake Okeechobee, reducing discharges to coastal estuaries.	21 miles southwest of the Glades site	Proposed. Test cell completed. Construction scheduled to begin in 2011.	SFWMD Jun 2010, USACE Nov 2009
C-44 Reservoir and Storage and Treatment Area	A component of the Indian River Lagoon – South Project consisting of a 3,400 acre reservoir and 6200 acres of emergent vegetation.	49 miles east of the Glades Site	Design and land acquisition for this project is completed. Construction is anticipated to begin in 2011.	SFWMD Feb 2006, USACE Feb 2010
Everglades Agricultural Area Storage Reservoirs – Phase 1	Project consists of a large above-ground storage reservoir on former farmlands designed to provide significant additional water in the southern region of the Everglades Agricultural Area.	32 miles southeast of the Glades Site	Construction of the A-1 Reservoir was initiated in 2006, but has been subsequently suspended in since 2008 due to litigation.	SFWMD Jun 2010, USACE Nov 2009
Flows to Northwest and Central Water Conservation Areas 3A	Project will increase depths, extend wetland hydropatterns, and increase water supply availability in the northwest corner and west-central portions of WCA 3A.	43 miles southeast of the Glades Site	Proposed. Project design underway.	USACE Undated

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Indian River Lagoon-South Project	The project includes construction of several above-ground reservoirs and stormwater treatment areas. The project will use constructed wetlands and muck removal to improve surface water management and water quality of several canal basins, as well as, improve habitat in the St. Lucie Estuary and Indian River Lagoon.	41 miles northeast of the Glades Site	Proposed. Project is scheduled to begin in 2010.	SFWMD Jun 2010, USACE Nov 2009, USACE Feb 2010
Lake Okeechobee Aquifer Storage and Recovery	Project proposes to increase regional storage while reducing both evaporation losses and the amount of land removed from current land use. This will be accomplished by a series of aquifer storage and recovery wells adjacent to Lake Okeechobee with a capacity of one billion gallons per day and the associated pre- and post- water quality treatment facilities.	2 miles east of the Glades Site	Five separate ASR pilot projects have been constructed around Lake Okeechobee and have provided five years of field data. Two more pilot systems began cycle testing in 2008.	USACE Undated, USACE Jun 2008
Lake Okeechobee Watershed Project	Construction of a 1984-acre reservoir and 3975-acre treatment area in the Taylor Creek/Nubbin Slough basin; a 10,281-acre reservoir in the Kissimmee River basin; a 5416-acre reservoir and 8044 acre treatment area in the Lake Istokpoga basin, and a 3730-acre wetland restoration site in Paradise Run in order to increase aquatic and wildlife habitat, regulate lake staging, reduce phosphorus loading, and reduce damaging releases to the surrounding estuaries.	Various locations in Okeechobee County	Proposed. Project is scheduled to begin in 2019.	USACE Undated, USACE Nov 2009
Melaleuca Eradication and other Exotic Plants	Project enhances efforts to control invasive exotic species in south Florida through mass clearing and controlled release of biological agents throughout the region.	Throughout the region	Proposed. Project is scheduled to begin in 2011.	USACE Nov 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Miccosukee Tribal Water Management Plan	Project includes providing water storage capacity and water quality enhancement for Miccosukee Tribe's reservation discharge waters and conversion of 900 acres tribally owned cattle pasture into a managed wetland retention/detention area.	43 miles southeast of the Glades Site	Currently in pre-construction design.	USACE Undated
Modify Holey Land Wildlife Management Area Operation Plan	Modifications to the current operating plan for Holey Land WMA will implement rain-driven operations as needed and will be made to improve the timing and location of water depths.	35 miles southeast of the Glades Site	Project in planning stage.	USACE Undated
Modify Rotenberger Wildlife Management Area Operation Plan	Modifications to the current operating plan for the Rotenberger WMA will implement rain-driven operations as needed and will be made to improve the timing and location of water depths.	32 miles south of the Glades Site	Project in planning stage.	USACE Undated
North Palm Beach County – Part 1	Part 1 of this project includes portions of seven basins that will capture, store and treat excess water that is currently discharged to the Lake Worth Lagoon and use that water to enhance the Loxahatchee River, Loxahatchee Slough, and West Palm Beach Water Catchment Area.	46 miles east of the Glades Site	Project in pre-construction, engineering, and design phase. Part 1 construction is estimated to be completed in 2014.	USACE Undated, USACE May 2005
Central and Southern Florida (C&SF) Projects				
Herbert Hoover Dike Rehabilitation	Project to strengthen the 143-mile dike that surrounds Lake Okeechobee.	2 miles east of the Glades Site	Construction is underway on the southeast section of the dike. Completion of the project is anticipated in 2025.	USACE Nov 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Southern Corkscrew Regional Ecosystem Watershed (CREW)	Project consists of 28,540 acres of predominantly swale and strand swamp communities to be restored to native conditions. Public recreation activities include hiking, horseback riding, primitive camping, hunting, fishing, and nature appreciation.	44 miles southwest of the Glades Site	Project will continue to improve and restore the hydrology and ecology of the project area (along with resulting benefits to upstream and downstream lands. Additional land acquisition required to reach target goals.	SFWMD May 2006
Other Ecosystem Restoration Projects				
Kissimmee River Restoration Project	Project to restore over 40 square miles of river and floodplain ecosystem, including 43 miles of meandering river channel and 27,000 acres of wetlands. The project will re-establish a favorable environment for the flora and fauna that existed in the area prior to the 1960s, when the river was altered to provide flood protection.	Closest parcel 39 miles north of the Glades Site	Restoration efforts are underway and are expected to be completed in 2013.	USACE Nov 2009
Lakes Park Restoration	Project to improve water quality at Lakes Park in Lee County through a three-phased approach. Phases I and II have been completed. Phase III involves creating a 40-acre flow-way marsh, which will act as a natural filter cleansing nutrients from the lakes. Reduced nutrients and proper water elevations will aid in the control of aquatic and upland exotic plant species and improve native habitat.	48 miles southwest of the Glades Site	Proposed. Construction of the filter marsh and flow-way are anticipated to begin in 2011.	SFWMD Jun 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Lakeside Ranch Storage and Treatment Area	Construction of a 2700-acre wetland in western Martin County that will use emergent vegetation to remove phosphorus from stormwater runoff in the Taylor Creek/Nubbin Slough basin before it enters Lake Okeechobee. The project has been divided into two phases, STA North and STA South.	37 miles northeast of the Glades Site	Construction of STA North began in 2009. Final design of STA South is scheduled to be completed in 2010, and construction is scheduled to begin in 2011.	SFWMD Jun 2010, USACE Nov 2009
Seminole Big Cypress Water Conservation Plan	Water management system designed to reduce flood damage and promote water conservation on the Seminole Tribe's Big Cypress Basin Reservation, the Big Cypress National Preserve, and the Everglades Protection Area. Includes construction of conveyance canals, water storage cells, and a new pump station.	34 miles south of the Glades Site	Construction expected to be completed in 2010.	USACE Nov 2009
Mining Projects				
Babcock Mine	Crushed stone mine	37 miles west of the Glades site	Operational	USGS 2005
Bonita Pit	Crushed stone mine	48 miles southwest of the Glades site	Operational	USGS 2005
Charlotte County Shell Quarry	Crushed stone mine	38 miles northwest of the Glades site	Operational	USGS 2005
Coral Rock Quarry	Crushed stone mine	37 miles west of the Glades site	Operational	USGS 2005
Florida Rock Industries, - Inc. Alico Rock Quarry	Crushed stone mine	38 miles southwest of the Glades site	Operational	USGS 2005
Lake Point Mine	Development of a 959 acres commercial limestone quarry in Martin County	37 miles northeast of the Glades site	Proposed. CWA Section 404 permit application submitted April 2010.	
Ortona Mine & Plant	Sand and gravel mine	9 miles west of the Glades site	Operational	USGS 2005
Ortona Sand Mine Expansion	154 acres expansion of sand mining operation in Glades County	8 miles west of the Glades site	Proposed. CWA Section 404 permit application submitted March 2010.	ACOE Apr 2010b

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Palmdale Sand	Sand and gravel mine	13 miles northwest of the Glades site	Operational	USGS 2005
Rinker Materials Corp. - Alico Road Quarry	Crushed stone mine	42 miles southwest of the Glades site	Operational	USGS 2005
RMC South Florida	Crushed stone mine	49 miles southwest of the Glades site	Operational	USGS 2005
Sebring Tu-Co Peat Operation	Peat mine	46 miles northwest of the Glades site	Operational	USGS 2005
Southwest Aggregates	Crushed stone mine	50 miles west of the Glades site	Operational	USGS 2005
Star Pit	Crushed stone mine	31 miles southeast of the Glades site	Operational	USGS 2005
Witherspoon Sand Plant	Sand and gravel mine	8 miles west of the Glades site	Operational	USGS 2005
Other Actions/Projects				
Central and Southern Florida Flood Control Project	The C&SF Flood Control Project was authorized by Congress in 1948 to provide flood control, water supply, prevention of saltwater intrusion, and protection of fish and wildlife resources. Today the CS&F project includes 1000 miles of canals, 720 miles of levees, and almost 200 water control structures. It covers 16 counties over an 18,000-square-mile area from Orlando to the Florida Reef Tract. The existing project provides water supply, flood protection, water management and other benefits to South Florida. However, the project has had unintended negative effects on the Everglades.	Throughout the region.	Operational	HRA Jun 2006
Action Craft	Fiberglass boat manufacturer	50 miles west of the Glades Site	Operational	FDEP May 2007a
Alpha General Services, Inc.	Fiberglass tank manufacturer	48 miles northeast of the Glades Site	Operational	FDEP Sep 2006

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Atlantic Sugar Association	Sugar manufacturer	34 miles southeast of the Glades Site	Operational	FDEP Jun 2007
E-Stone USA Corp	Cultured granite reinforced plastics manufacturer	45 miles north of the Glades Site	Operational	FDEP Nov 2009c
Everglades Sugar Refinery Inc.	Sugar manufacturer	32 miles southeast of the Glades Site	Operational	FDEP Aug 2000
Louis Dreyfus Citrus Inc. – Indiantown Citrus Processing Plant	Food Manufacturer	45 miles northeast of the Glades Site	Operational	FDEP Jul 2008b
Munters Corporation	Paper and polyvinyl chloride filter manufacturer	46 miles southwest of the Glades Site	Operational	FDEP Mar 2007a
Okeelanta Corporation	Sugar manufacturer	31 miles southeast of the Glades Site	Operational	FDEP Jan 2001
Osceola Farms Co	Sugar manufacturer	38 miles east of the Glades Site	Operational	FDEP Mar 2010b
Pall Aeropower Corporation	Filter element manufacturer	46 miles southwest of the Glades Site	Operational	FDEP Mar 2007b
Sebring International Raceway	A road course auto racing facility with three track configurations; the 12-hour Grand Prix Course, the Old Club Course, and the New Club Course.	45 miles northwest of the Glades Site	Operational	NAMP Jun 2007
Southern Gardens Citrus Processing Corp. – Clewiston Plant	Food manufacturer	6 miles southeast of the Glades Site	Operational	FDEP May 2010a
Sugar Cane Growers Cooperative of Florida	Sugar manufacturer	33 miles southeast of the Glades Site	Operational	FDEP Aug 2006
U.S. Sugar Corp. – Clewiston Mill	Sugar manufacturer	15 miles southeast of the Glades Site	Operational	FDEP Feb 2010
Water Reclamation and Wastewater Treatment Plants	Numerous plants	Within 50-mile radius of the site.	Operational	FDEP Aug 2010a FDEP Aug 2010b

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Glades Alternative Site				
Project Name	Summary of Project	Location	Status	Reference
Future Urbanization	Construction of housing units and associated commercial buildings; roads, bridges and rail; construction of water and/or wastewater treatment facilities and associated pipelines.	Throughout the region.	Construction would occur in the future, as described in state and local land-use planning documents.	
Various hospitals and industrial facilities that use radioactive materials	Medical and other isotopes	Within 50-mile radius of the site.	Operational	

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Energy Projects				
City of Vero Beach Municipal Utilities	Five-unit, 155-MW gas- and oil-fired plant	41 miles northeast of the Martin site	Operational	FDEP Jan 2008c
Florida Gas Transmission - Phase VIII Expansion Project	Construction and operation of 483.2 miles of pipeline facilities, including an 89.8-mile long natural gas pipeline in a new right-of-way that runs from DeSoto County through Highlands and Okeechobee Counties to the FPL Martin Plant site.	DeSoto, Highlands, Okeechobee, and Martin Counties. Terminus collocated at the Martin site.	Proposed. Final EIS issued September 2009.	FERC Sep 2009
Florida Gas Transmission - Station #20	Compressor station consisting of 5 internal combustion engines.	28 miles northeast of the Martin site	Operational	FDEP May 2008
Florida Municipal Power Agency - Treasure Coast Energy Center	Single unit, 300-MW gas-fired plant	25 miles northeast of the Martin site	Operational	FDEP May 2010b
Floridian Natural Gas Storage Company – Natural Gas Storage Facility	Liquefied natural gas storage, liquefaction, and vaporization facility with storage capacity of eight billion cubic feet of natural gas	2 miles southeast of the Martin site	Proposed. Final EIS issued July 2008.	FERC Jul 2008
Fort Pierce Utilities Authority – H. D. King Power Plant	Four-unit, 136-MW gas- and oil-fired plant	31 miles northeast of the Martin site	Operational	FDEP Jan 2008d
FPL - Martin Next Generation Solar Energy Center	75-MW solar thermal plant	Collocated at the Martin site	Proposed. Currently under construction, expected completion 3Q 2010.	FPL May 2008
FPL - Martin Plant	Five-unit, 3734-MW gas- and oil-fired plant	Collocated at the Martin site	Operational	FDEP Nov 2009b
FPL - Riviera Plant	Two-unit, 580-MW oil- and gas-fired plant	36 miles southeast of the Martin site	Operational. Would be replaced by the Riviera Plant Repowering Project	FDEP Jan 2009
FPL - Riviera Plant Repowering Project	A single unit, 1250-MW gas-fired combined-cycle plant would replace the two existing boilers at the site.	36 miles southeast of the Martin site	Proposed. Air Construction Permit issued June 2009.	FDEP Jun 2009
FPL - St. Lucie Plant	Two-unit, 1680-MW nuclear plant	27 miles northeast of the Martin site	Operational.	FPL Dec 2007

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
FPL - St. Lucie Uprate Project	The project will increase the net electrical generation for Units 1 & 2 by 104-MW each.	27 miles northeast of the Martin site	Proposed. Site Certification Application approved by FPSC in 2008.	FPL Dec 2007
FPL - West County Energy Center	Two-unit, 2500-MW gas-fired plant	27 miles southeast of the Martin site	Operational	FDEP Jul 2008a
FPL - West County Energy Center, Unit 3	Single unit, 1250-MW gas-fired plant	27 miles southeast of the Martin site	Proposed. Unit 3 under construction, expected completion in 2011.	FDEP Jul 2008a
Highlands Ethanol Facility	39.4-MGPY cellulosic ethanol refinery	35 miles northwest of the Martin site	Proposed. Air Construction Permit issued March 2010.	FDEP Mar 2010a
Indiantown Cogeneration Plant	Single unit, 330-MW coal-fired plant with 2 gas-fired auxiliary boilers.	25 miles northeast of the Martin site	Operational	FDEP Jan 2010
INEOS New Planet Indian River County BioEnergy Facility	8-MGPY cellulosic ethanol refinery and a 5-MW biomass-fired power plant	37 miles north of the Martin site	Proposed. Application for air construction permit submitted February 2010.	INEOS Feb 2010
Lake Worth Utilities - Tom G. Smith Power Plant	Three-unit, 105-MW gas- and oil-fired plant	42 miles southeast of the Martin site	Operational	FDEP Jan 2008e
New Hope Power Company - Okeelanta Cogeneration Plant	Three-unit, 140-MW biomass-fired plant	31 miles southwest of the Martin site	Operational	FDEP May 2005
Okeechobee Landfill – Landfill Gas to Energy Project	Four- unit, 25.5-MW landfill gas-fired plant.	22 miles northwest of the Martin site	Proposed. Air construction permit issued April 2010.	FDEP Apr 2010
Solid Waste Authority of Palm Beach County – Palm Beach Renewable Energy Facility No. 1	Two-unit, 62-MW municipal solid waste (MSW)-fired plant	31 miles southeast of the Martin site	Operational	FDEP Jul 2006
Solid Waste Authority of Palm Beach County – Palm Beach Renewable Energy Facility No. 2	Three-unit, 100-MW MSW-fired plant	31 miles southeast of the Martin site	Proposed. Application for air construction permit submitted May 2010.	SWAPBC May 2010
Southeastern Renewable Fuels Biorefinery and Cogeneration Plant	22 MGPY cellulosic ethanol refinery and a 30-MW biomass-fired power plant	42 miles southwest of the Martin site	Proposed. Application for air construction permit submitted March 2010.	Golder Mar 2010

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Project Name	Summary of Project	Location	Status	Reference
Transportation Projects				
Indiantown Airport	General aviation airport.	7 miles southeast of the Martin site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
North Palm Beach County Airport	General aviation and reliever airport for Palm Beach International	25.6 miles southeast of the Martin site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Okeechobee County Airport	General aviation airport.	23 miles northwest of the Martin site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach County Glades Airport	General aviation airport.	20 miles southwest of the Martin site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach County Park Airport	General aviation and reliever airport for Palm Beach International	43 miles southeast of the Martin site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach International Airport	Full service airport - commercial airlines, air cargo, and general aviation	39 miles southeast of the Martin site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
St Lucie County International Airport	General aviation airport.	32 miles northeast of the Martin site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Vero Beach Municipal Airport	Commercial and general aviation airport.	42 miles northeast of the Martin site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Witham Field Airport	General aviation airport.	22 miles northeast of the Martin site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Port of Fort Pierce	99 acres deepwater seaport with public and private cargo terminals. Current annual cargo throughput of 0.358 million tons.	32 miles northeast of the Martin site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010
Port of Palm Beach	Large full-service deepwater seaport. Current annual cargo throughput of 2.3 million tons. Cruise terminal serves 349,000 passengers annually.	37 miles southeast of the Martin site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Tampa - Orlando – Miami High-Speed Intercity Passenger Rail	This project would provide high-speed rail service from Tampa to Miami (through Orlando) with stops in West Palm Beach and Ft. Lauderdale. The termini for the Orlando -Miami corridor are the Orlando International Airport (OIA) and the Miami Intermodal Center at the Miami Airport (MIA).	Route follows the Florida Turnpike corridor from Orange County through Osceola, Okeechobee, St. Lucie, Martin and Palm Beach Counties	Proposed. Phase 1 (Tampa-Orlando corridor) is ongoing. Project development for Phase 2 (Orlando-Miami corridor) began in May 2010.	FDOT May 2010
Parks and Nature Preserve Facilities				
Archbold Biological Station	An independent, non-profit research facility, devoted to long-term ecological research and conservation. The Station owns and manages a 5000-acre preserve that is a matrix of pristine native vegetation, including oak and rosemary scrubs, pine flatwoods, and cutthroat seeps and seasonal wetlands. The station also manages the 10,500-acre MacArthur Agro-ecology Research Center (MAERC) at Buck Island Ranch.	50 miles northwest of the Martin site	Development likely limited within this area	ABS Feb 2004
Arthur R. Marshall Loxahatchee National Wildlife Refuge	Management of species and habitats to enhance the native biodiversity and integrity of the Everglades ecosystem. Recreational activities include hunting, fishing, canoeing, boating, and wildlife viewing.	29 miles southeast of the Martin site	Additional land acquisition and expansion of visitor facilities are planned. Other development would be limited within this refuge.	USFWS Sep 2000
Atlantic Ridge Preserve State Park	The preserve has not yet opened to the public due to the lack of a public access road. Once the constructed the preserve will be available for passive recreational including hiking, horseback riding, picnicking, wildlife observation, and birding.	20 miles east of the Martin site	Development likely limited within this refuge	FDEP Dec 2005

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Avalon State Park	Supports intact examples of coastal and wetland communities including a large stand of undeveloped maritime hammock. Recreational activities focus on the 6000 feet of Atlantic shoreline and include swimming, fishing, and surfing.	36 miles northeast of the Martin site	Trail development likely within this park. Other development would be limited.	FDEP Aug 2002
Barley Barber Swamp	A one-mile boardwalk runs through a cypress swamp. On FLP owned Martin site land. Public access requires advance reservation.	Collocated at the Martin site	Development likely limited within this refuge.	FFWCC Jul 2010
Big Water Heritage Trail	Scenic auto route circling Lake Okeechobee passing through five counties and going by multiple natural and historic sites.	5 miles west of the Martin site	Development likely limited at specific points along the trail.	SWFRPC 2009
DuPuis Wildlife and Environmental Area	21,875 acres managed to conserve and protect water resources as well as protect and restore land resources to its natural state. Recreation activities include hunting, fishing, horseback and bicycle riding, canoeing, camping, and hiking.	3 miles south of the Martin site	Development likely limited within this refuge.	SFWMD Jun 2008
Fisheating Creek Wildlife Management Area	The 18,272 acre property is used for conservation and protection of the natural communities along the shores of Fisheating Creek. Contains natural summer roosts for endangered swallowtail kites.	35 miles west of the Martin site	Development limited within property.	FFWCC Feb 2003
Florida National Scenic Trail	Scenic hiking trail stretches over 1400 miles across the state and traverses nearly all of Florida's unique habitats and includes the Lake Okeechobee Scenic Trail. Portions of the trail are accessible for bicycling, horseback riding, or inline skating.	5 miles west of the Martin site	Development likely limited at specific points along the trail.	USDAFS Feb 2006

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Fort Pierce Inlet State Park	Beaches used as nesting grounds for loggerhead sea turtles. Recreation activities include fishing, swimming, surfing, boating, biking, hiking, and wildlife viewing.	33 miles northeast of the Martin site	Additional facilities for canoe access, picnicking staff housing needs, and securing reliable access to the island are planned.	FDEP Dec 2006
Hobe Sound National Wildlife Refuge	An important example of pre-contact Florida ecological environments. Sand dunes and associated lagoons are habitats for rare and threatened species as manatees, scrub jays, and leatherback sea turtles. Hiking and swimming available to public.	26 miles east of the Martin site	Upgrades to existing beach facilities are planned.	USFWS Dec 2006
Hungryland Wildlife and Environmental Area	The 10,294 acre property was purchased to conserve and protect environmentally unique and irreplaceable lands including relatively undisturbed, high quality pine flatwoods. Recreation activities include hiking, horseback riding, hunting, and fishing.	10 miles southeast of the Martin site	Development likely limited within this property.	FFWCC Feb 2002
Indian River County Public Shooting Range	Provides public outdoor recreation facility and a training site for hunter education students, volunteers, and law enforcement personnel.	50 miles north of the Martin site	Development likely limited within this property.	FFWCC Aug 2008
J.W. Corbett Wildlife Management Area	Management of unique tropical hardwood hammocks and slash pine flatwoods habitat of the South Florida systems and recovery of the endangered and threatened species that occur there. The vast majority of the 60,288 acre property is used for wildlife management and public hunting.	8 miles southeast of the Martin site	Additional land acquisition is planned. Planned public uses will include hunting, fishing, and horseback riding.	FFWCC Apr 2003

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
John D. MacArthur Beach State Park	Park protects a unique cross section of coastal Florida landscape including 121 acres of tropical maritime hammock, the largest remaining example in the county. Nine designated plant and 20 animal species occupy the natural habitats preserved by this park. The 7000-ft sand beach and dune community attracts a large number of nesting loggerhead, green, and leatherback sea turtles. Recreation activities include swimming, snorkeling, canoeing, fishing, and bird watching.	35 miles southeast of the Martin site	Development likely limited within this property.	FDEP Apr 2005b
Jonathan Dickenson State Park	The 11,471 acre park supports many unique natural features and significant cultural resources. Contains one the last remaining coastal sand pine scrub plant communities along the southeast coast, a 2600 acre wilderness preserve, and most of the Loxahatchee National Wild and Scenic River. Recreation activities include hiking, biking, camping, picnicking, canoe/kayaking, and interpretive programs.	24 miles east of the Martin site	Development likely limited within this property.	FDEP Feb 2000
Kissimmee Prairie Preserve State Park	Public outdoor recreation and conservation is the single use of the 53,760 acres property. Recreation activities include hiking, biking and horse riding trails, camping, picnicking, and interpretive programs.	40 miles northwest of the Martin site	Development of new visitor center is planned. Other development likely limited within this property.	FDEP Apr 2005a

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Koreshan State Historic Site	The site is comprised of a 142 acre historic district that contains natural landscapes and the remains of a utopian pioneer settlement dating to the 1890's, and 52 acres of mangrove community located at the mouth of the Estero River. Recreation activities include picnicking, fishing, camping, nature study and boating.	50 SW G	Development likely limited within this property.	FDEP Aug 2003
Lake Okeechobee	Lake Okeechobee is the second largest freshwater lake within the continental United States and is a nationally recognized bass and pan fishing resource. The Lake offers other recreational amenities as well. Air boat and swamp buggy rides, bike riding, hiking, picnicking, camping, and nature interpretation are popular land based recreation activities in the region.	5 miles west of the Martin site	Development likely limited within this area.	FDEP Jun 2010
Lake Okeechobee Scenic Trail	A 110 mile long hiking trail circling Lake Okeechobee atop the Herbert Hoover Dike offers scenic views of lakeside and agricultural landscapes. The trail provides opportunities for hiking, bicycle and horseback riding, bird watching, and fishing.	5 miles west of the Martin site	Development likely limited at specific points along the trail.	FDEP Jun 2010
Lake Wales Ridge National Wildlife Refuge	Management of unique scrub habitat of the Central Florida ridge systems and recovery of the endangered and threatened species that occur there. Public access to refuge is limited to guided tours only.	47 miles west of the Martin site	Additional land acquisition is planned. Development likely limited within this area.	USFWS Apr 2010
Lake Wales Ridge Wildlife and Environmental Area	Management and restoration of unique scrub habitat of the Central Florida ridge systems and recovery of the endangered and threatened species that occur there. Public access to refuge is limited to guided tours only.	49 miles west of the Martin site	Development likely limited within this area.	FFWCC Sep 2002

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Pelican Island National Wildlife Refuge	Management of habitats to sustain abundant populations of native species and to help recover threatened and endangered species. Recreational activities include hunting, fishing, canoeing, boating, and wildlife viewing.	50 miles north of the Martin site	Expansion of visitor facilities is planned. Other development would be limited within this refuge.	USFWS Sep 2006
Savannas Preserve State Park	Property (5227 acres) encompasses portions of the Atlantic Coastal Ridge and the flatwoods and savanna-like wetlands associated with it. It harbors a unique set of natural communities that include sand pine scrub, flatwoods, marsh, and wet prairies. Public recreation activities include hiking, bicycle and horseback riding, canoe/kayaking, picnicking, wildlife viewing and environmental education.	24 miles northeast of the Martin site	Development of facilities for public use likely limited within this area.	FDEP Jun 2003
Seabranh Inlet State Park	Management of 913 acres of various different natural communities including a rare and important baygall, beach dune, and scrub communities. The park is only open to the public for hiking and nature appreciation.	24 miles east of the Martin site	Development likely limited within this area.	FDEP Oct 2002a
St. Lucie Inlet Preserve State Park	Accessible only by private boat and provides 4786 acres consisting of mangrove swamps, maritime hammock and undeveloped beach. Public recreation activities include swimming, snorkeling, scuba diving, sunbathing, fishing, primitive camping, picnicking, hiking, and nature appreciation.	25 miles east of the Martin site	Development likely limited within this park.	FDEP Oct 2002b

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
St. Sebastian River Preserve State Park	Twenty archaeological sites and twenty-two distinct natural communities have been mapped in the 21,748 acre park including mesic flatwoods, prairie hammock, sandhill, scrubby flatwoods, and upland hardwood forests. Recreation activities include fishing, canoe/kayaking, horseback riding, hiking, primitive camping, and nature appreciation.	49 miles north of the Martin site	Development likely limited within this area.	FDEP Oct 2005
Comprehensive Everglades Restoration Plan Projects				
Acme Basin B	Project will improve Everglades water quality by diverting urban stormwater runoff into the C-51 canal and then to STA-1E for treatment. The project includes construction of two new pump stations and improvements to the C-1 canal, which will increase conveyance capacity and provide connection to the C-51 canal.	35 miles southeast of the Martin site	Proposed. Phase 1, which includes the C-51 pump station installations and C-1 canal improvements, is complete. Phase 2, involving design of the Section 24 Impoundment, is ongoing.	SFWMD Jun 2010, USACE Oct 2003
C-44 Reservoir and Storage and Treatment Area	A component of the Indian River Lagoon – South Project consisting of a 3400 acre reservoir and 6200 acres of emergent vegetation.	9 miles east of the Martin site	Design and land acquisition for this project is completed. Construction is anticipated to begin in 2011.	SFWMD Feb 2006, USACE Feb 2010
Everglades Agricultural Area Storage Reservoirs – Phase 1	Project consists of a large above-ground storage reservoir on former farmlands designed to provide significant additional water in the southern region of the Everglades Agricultural Area.	40 miles south of the Martin site	Construction of the A-1 Reservoir was initiated in 2006, but has been subsequently suspended in since 2008 due to litigation.	SFWMD Jun 2010, USACE Nov 2009
Flows to Northwest and Central Water Conservation Areas 3A	Project will increase depths, extend wetland hydropatterns, and increase water supply availability in the northwest corner and west-central portions of WCA 3A.	50 miles south of the Martin site	Proposed. Project design underway.	USACE Undated

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Fran Reich Preserve (Site 1 Impoundment)	Construction of a 1600-acre impoundment to capture and store the excess surface water runoff from the Hillsboro Watershed and reduce water storage demands on the Arthur R. Marshall Loxahatchee National Wildlife Refuge and Lake Okeechobee.	50 miles south of the Martin site	Proposed. Project design underway.	SFWMD Jun 2010, USACE Nov 2009
Indian River Lagoon-South Project	The project includes construction of several above-ground reservoirs and stormwater treatment areas. The project will use constructed wetlands and muck removal to improve surface water management and water quality of several canal basins, as well as, improve habitat in the St. Lucie Estuary and Indian River Lagoon.	2 miles north of the Martin site	Proposed. Project is scheduled to begin in 2010.	SFWMD Jun 2010, USACE Nov 2009, USACE Feb 2010
Lake Okeechobee Aquifer Storage and Recovery	Project proposes to increase regional storage while reducing both evaporation losses and the amount of land removed from current land use. This will be accomplished by a series of aquifer storage and recovery wells adjacent to Lake Okeechobee with a capacity of one billion gallons per day and the associated pre- and post- water quality treatment facilities.	Nearest parcel is 4 miles west of the Martin site	Five separate ASR pilot projects have been constructed around Lake Okeechobee and have provided five years of field data. Two more pilot systems began cycle testing in 2008.	USACE Undated, USACE Jun 2008
Lake Okeechobee Watershed Project	Construction of a 1984-acre reservoir and 3975-acre treatment area in the Taylor Creek/Nubbin Slough basin; a 10,281-acre reservoir in the Kissimmee River basin; a 5416-acre reservoir and 8,044 acre treatment area in the Lake Istokpoga basin, and a 3730-acre wetland restoration site in Paradise Run in order to increase aquatic and wildlife habitat, regulate lake staging, reduce phosphorus loading, and reduce damaging releases to the surrounding	Various locations in Okeechobee County	Proposed. Project is scheduled to begin in 2019.	USACE Undated, USACE Nov 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Loxahatchee National Wildlife Refuge Internal Canal Structures	estuaries. The purpose of this project is to improve the timing and location of water depths within the Refuge. It would consist of two water control structures in the northern ends of the perimeter canals encircling the Refuge.	28 miles northwest of the Martin site	Currently in pre-construction design.	USACE Undated
Melaleuca Eradication and other Exotic Plants	Project enhances efforts to control invasive exotic species in south Florida through mass rearing and controlled release of biological agents throughout the region.	Throughout the region	Proposed. Project is scheduled to begin in 2011.	USACE Nov 2009
Modify Holey Land Wildlife Management Area Operation Plan	Modifications to the current operating plan for Holey Land WMA will implement rain-driven operations as need and will be made to improve the timing and location of water depths.	43 miles south of the Martin site	Project in planning stage.	USACE Undated
Modify Rotenberger Wildlife Management Area Operation Plan	Modification to the current operating plan for the Rotenberger WMA will implement rain-driven operations as need and will be made to improve the timing and location of water depths.	48 miles southwest of the Martin site	Project in planning stage.	USACE Undated
North Palm Beach County – Part 1	Part 1 of this project includes portions of seven basins that will capture, store and treat excess water that is currently discharged to the Lake Worth Lagoon and use that water to enhance the Loxahatchee River, Loxahatchee Slough, and West Palm Beach Water Catchment Area.	8 miles southeast of the Martin site	Project in pre-construction, engineering, and design phase. Part 1 construction is estimated to be completed in 2014.	USACE Undated, USACE May 2005
North Palm Beach County – Part 2	Part 2 includes aquifer storage and recovery (ASR) with a capacity of 220 million gallons per day.	39 miles southeast of the Martin site	Project in pre-construction, engineering, and design phase.	USACE Undated

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Palm Beach County (PBC) Agriculture Reserve Aquifer Storage and Recovery and Reservoir	The project will supplement water supplies for central and southern Palm Beach County by capturing and storing excess water currently discharged to the Lake Worth Lagoon. The project includes 15 aquifer storage and recovery well clusters and an above-ground reservoir.	42 miles southeast of the Martin site	Project in pre-construction, engineering, and design phase.	USACE Undated
Strazzula Wetlands	Project will provide hydrological and ecological connectivity of the Loxahatchee NWR and act as a buffer between higher water stages to the west and urban lands to the east. The increase in spatial extent of protected natural areas provides habitat connectivity for species that require large unfragmented tracts of land for survival. The area also contains rare and important cypress habitat and sawgrass marshes in the eastern Everglades area.	36 miles southeast of the Martin site	Project in pre-construction, engineering, and design phase.	USACE Undated, USACE Nov 2003
Central and Southern Florida (C&SF) Projects				
Herbert Hoover Dike Rehabilitation	Project to strengthen the 143-mile dike that surrounds Lake Okeechobee.	5 miles west of the Martin site	Construction is underway on the southeast section of the dike. Completion of the project is anticipated in 2025.	USACE Nov 2009
West Palm Beach Canal/ Stormwater Treatment Area – 1E	Project provides flood control, water quality and water supply to the C-51 basin in Palm Beach County.	30 miles southeast of the Martin site	Construction is underway. Completion of the project is expected in 2010.	USACE Nov 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Other Ecosystem Restoration Projects				
Kissimmee River Restoration Project	Project to restore over 40 square miles of river and floodplain ecosystem, including 43 miles of meandering river channel and 27,000 acres of wetlands. The project will re-establish a favorable environment for the flora and fauna that existed in the area prior to the 1960s, when the river was altered to provide flood protection.	47 miles northwest of the Martin site	Restoration efforts are underway and are expected to be completed in 2013.	USACE Nov 2009
Lakeside Ranch Storage and Treatment Area	Construction of a 2700-acre wetland in western Martin County that will use emergent vegetation to remove phosphorus from stormwater runoff in the Taylor Creek/Nubbin Slough basin before it enters Lake Okeechobee. The project has been divided into two phases, STA North and STA South.	19 miles northwest of the Martin site	Construction of STA North began in 2009. Final design of STA South is scheduled to be completed in 2010, and construction is scheduled to begin in 2011.	SFWMD Jun 2010, USACE Nov 2009
Mining Projects				
Brown Ranch Mine	Crushed stone mine	34 miles northeast of the Martin site	Operational	USGS 2005
Capron Trails Mine	Sand and gravel mine	21 miles northeast of the Martin site	Operational	USGS 2005
Fort Pierce Quarry	Crushed stone mine	13 miles north of the Martin site	Operational	USGS 2005
John's Pit	Sand and gravel mine	40 miles southeast of the Martin site	Operational	USGS 2005
Lake Point Mine	Development of a 959 acres commercial limestone quarry in Martin County	5 miles southwest of the Martin site	Proposed. CWA Section 404 permit application submitted April 2010.	ACOE Apr 2010a
Mecca-Ryan Operation	Sand and gravel mine	23 miles southeast of the Martin site	Operational	USGS 2005
Ortona Sand Mine Expansion	154 acres expansion of sand mining operation in Glades County	49 miles southwest of the Martin site	Proposed. CWA Section 404 permit application submitted March 2010.	ACOE Apr 2010b
Palm Beach Mine	Crushed stone mine	28 miles southeast of the Martin site	Operational	USGS 2005

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Palmdale Sand	Sand and gravel mine	47 miles southwest of the Martin site	Operational	USGS 2005
St. Lucie Mine	Sand and gravel mine	16 miles northeast of the Martin site	Operational	USGS 2005
Star Pit	Crushed stone mine	32 miles southwest of the Martin site	Operational	USGS 2005
United Dredging Corp. Operation	Sand and gravel mine	46 miles southeast of the Martin site	Operational	USGS 2005
Witherspoon Sand Plant	Sand and gravel mine	49 miles southwest of the Martin site	Operational	USGS 2005
Other Actions/Projects				
Central and Southern Florida Flood Control Project	The C&SF Flood Control Project was authorized by Congress in 1948 to provide flood control, water supply, prevention of saltwater intrusion, and protection of fish and wildlife resources. Today the CS&F project includes 1000 miles of canals, 720 miles of levees, and almost 200 water control structures. It covers 16 counties over an 18,000-square-mile area from Orlando to the Florida Reef Tract. The existing project provides water supply, flood protection, water management and other benefits to South Florida. However, the project has had unintended negative effects on the Everglades and the entire south Florida ecosystem.	Throughout the region.	Operational	HRA Jun 2006
Arch Mirror South	Glass mirror manufacturer	30 miles northeast of the Martin site	Operational	FDEP Oct 2007
Atlantic Sugar Association	Sugar manufacturer	27 miles southeast of the Martin site	Operational	FDEP Jun 2007
Louis Dreyfus Citrus Inc. – Indiantown Citrus Processing Plant	Food Manufacturer	5 miles southeast of the Martin site	Operational	FDEP Jul 2008b
Macho Products Inc	Protective equipment manufacturer	50 miles north of the Martin site	Operational	FDEP May 2007b

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of Martin Site				
Project Name	Summary of Project	Location	Status	Reference
Maverick Boat Company	Fiberglass boat manufacturer	32 miles north of the Martin site	Operational	FDEP Jan 2006
Okeelanta Corporation	Sugar manufacturer	35 miles southwest of the Martin site	Operational	FDEP Jan 2001
Osceola Farms Co	Sugar manufacturer	15 miles south of the Martin site	Operational	FDEP Mar 2010b
Pratt & Whitney - Area C12 & C14	Engineering, manufacturing, and testing of gas turbine and rocket engines	15 miles southeast of the Martin site	Operational	PBCHD Jul 2004
S2 Yachts Inc. Pursuit Division	Fiberglass boat manufacturer	32 miles north of the Martin site	Operational	FDEP Mar 2008
Southern Gardens Citrus Processing Corp. – Clewiston Plant	Food manufacturer	42 miles southwest of the Martin site	Operational	FDEP May 2010a
Sugar Cane Growers Cooperative of Florida	Sugar manufacturer	24 miles southwest of the Martin site	Operational	FDEP Aug 2006
Tropicana Products, Inc. – Fort Pierce Facility	Citrus product and animal feed manufacturer	24 miles northeast of the Martin site	Operational	FDEP Oct 2006
Twin Vee Catamarans	Fiberglass boat manufacturer	28 miles northeast of the Martin site	Operational	FDEP Oct 2008
U.S. Sugar Corp. – Clewiston Mill	Sugar manufacturer	33 miles southwest of the Martin site	Operational	FDEP Feb 2010
Venture Marine Inc.	Fiberglass boat manufacturer	35 miles southeast of the Martin site	Operational	PBHCD Dec 2007
Water Reclamation and Wastewater Treatment Plants	Numerous plants	Within 50-mile radius of the site.	Operational	FDEP Aug 2010a FDEP Aug 2010b
Future Urbanization	Construction of housing units and associated commercial buildings; roads, bridges and rail; construction of water and/or wastewater treatment facilities and associated pipelines.	Throughout the region.	Construction would occur in the future, as described in state and local land-use planning documents.	
Various hospitals and industrial facilities that use radioactive materials	Medical and other isotopes	Within 50-mile radius of the site.	Operational	

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Energy Projects				
City of Vero Beach Municipal Utilities	Five-unit, 155-MW gas- and oil-fired plant	34 miles northwest of the Okeechobee 2 site	Operational	FDEP Jan 2008c
Florida Gas Transmission - Phase VIII Expansion Project	Construction and operation of 483.2 miles of pipeline facilities, including an 89.8-mile long natural gas pipeline in a new right-of-way that runs from DeSoto County through Highlands and Okeechobee Counties to the FPL Martin Plant site.	DeSoto, Highlands, Okeechobee, and Martin Counties	Proposed. Final EIS issued September 2009.	FERC Sep 2009
Florida Gas Transmission - Station #20	Compressor station consisting of 5 internal combustion engines.	35 miles northeast of the Okeechobee 2 site	Operational	FDEP May 2008
Florida Municipal Power Agency - Treasure Coast Energy Center	Single unit, 300-MW gas-fired plant	36 miles northeast of the Okeechobee 2 site	Operational	FDEP May 2010b
Progress Energy - Avon Park Steam Plant	Two-unit, 64-MW gas- and oil-fired plant	41 miles northwest of the Okeechobee 2 site	Operational	FDEP Jan 2008f
Floridian Natural Gas Storage Company – Natural Gas Storage Facility	Liquefied natural gas storage, liquefaction, and vaporization facility with storage capacity of eight billion cubic feet of natural gas	30 miles southeast of the Okeechobee 2 site	Proposed. Final EIS issued July 2008.	FERC Jul 2008
Fort Pierce Utilities Authority – H. D. King Power Plant	Four-unit, 136-MW gas- and oil-fired plant	40 miles northeast of the Okeechobee 2 site	Operational	FDEP Jan 2008d
FPL - Martin Next Generation Solar Energy Center	75-MW solar thermal plant	26 miles southeast of the Okeechobee 2 site	Proposed. Currently under construction, expected completion 3Q 2010.	FPL May 2008
FPL - Martin Plant	Five-unit, 3734-MW gas- and oil-fired plant	33 miles southeast of the Okeechobee 2 site	Operational	FDEP Nov 2009b
FPL - St. Lucie Plant	Two-unit, 1680-MW nuclear plant	43 miles east of the Okeechobee 2 site	Operational	FPL Dec 2007

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
FPL - St. Lucie Uprate Project	The project will increase the net electrical generation for Units 1 & 2 by 104-MW each.	43 miles east of the Okeechobee 2 site	Proposed. Site Certification Application approved by FPSC in 2008.	FPL Dec 2007
Geoplasma-St. Lucie, LLC - St. Lucie Plasma Gasification Project	24-MW plasma arc gasification waste-to-energy (WTE) plant	35 miles northeast of the Okeechobee 2 site	Proposed. Draft Air Construction Permit issued May 2010.	FDEP May 2010c
Highlands Ethanol Facility	39.4-MGPY cellulosic ethanol refinery	8 miles west of the Okeechobee 2 site	Proposed. Air Construction Permit issued March 2010.	FDEP Mar 2010a
Indiantown Cogeneration Plant	Single unit, 330-MW coal-fired plant with 2 gas-fired auxiliary boilers.	30 miles southeast of the Okeechobee 2 site	Operational	FDEP Jan 2010
INEOS New Planet Indian River County BioEnergy Facility	8-MGPY cellulosic ethanol refinery and a 5-MW biomass-fired power plant	36 miles northwest of the Okeechobee 2 site	Proposed. Application for air construction permit submitted February 2010.	INEOS Feb 2010
New Hope Power Company - Okeelanta Cogeneration Plant	Three-unit, 140-MW biomass-fired plant	45 miles southeast of the Okeechobee 2 site	Operational	FDEP May 2005
Okeechobee Landfill – Landfill Gas to Energy Project	Four- unit, 25.5-MW landfill gas-fired plant.	16 miles northeast of the Okeechobee 2 site	Proposed. Air construction permit issued April 2010.	FDEP Apr 2010
Southeastern Renewable Fuels Biorefinery and Cogeneration Plant	22 MGPY cellulosic ethanol refinery and a 30-MW biomass-fired power plant	46 miles south of the Okeechobee 2 site	Proposed. Application for air construction permit submitted March 2010.	Golder Mar 2010
Tampa Electric Company - Dinner Lake Station	Single unit, 12.65-MW gas- and oil-fired plant	35 miles northwest of the Okeechobee 2 site	Permanently closed	FDEP Apr 1999
Tampa Electric Company – J.H. Phillips Station	Two-unit, 42-MW oil-fired plant	29 miles northwest of the Okeechobee 2 site	Operational	FDEP May 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Transportation Projects				
Avon Park Executive Airport	General aviation airport.	43 miles northwest of the Okeechobee 2 site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Indiantown Airport	General aviation airport.	34 miles southeast of the Okeechobee 2 site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Okeechobee County Airport	General aviation airport.	6 miles northeast of the Okeechobee 2 site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach County Glades Airport	General aviation airport.	35 miles southeast of the Okeechobee 2 site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Sebring Regional Airport	General aviation airport.	28 miles northwest of the Okeechobee 2 site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
St Lucie County International Airport	General aviation airport.	39 miles northeast of the Okeechobee 2 site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Vero Beach Municipal Airport	Commercial and general aviation airport.	42 miles northeast of the Okeechobee 2 site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Witham Field Airport	General aviation airport.	44 miles southeast of the Okeechobee 2 site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Port of Fort Pierce	99 acres deepwater seaport with public and private cargo terminals. Current annual cargo throughput of 0.358 million tons.	41 miles northeast of the Okeechobee 2 site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010
Tampa - Orlando – Miami High-Speed Intercity Passenger Rail	This project would provide high-speed rail service from Tampa to Miami (through Orlando) with stops in West Palm Beach and Ft. Lauderdale. The termini for the Orlando -Miami corridor are the Orlando International Airport (OIA) and the Miami Intermodal Center at the Miami Airport (MIA).	Route follows the Florida Turnpike corridor from Orange County through Osceola, Okeechobee, St. Lucie, Martin and Palm Beach Counties	Proposed. Phase 1 (Tampa-Orlando corridor) is ongoing. Project development for Phase 2 (Orlando-Miami corridor) began in May 2010.	FDOT May 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Parks and Nature Preserve Facilities				
Archbold Biological Station	An independent, non-profit research facility, devoted to long-term ecological research and conservation. The Station owns and manages a 5000-acre preserve that is a matrix of pristine native vegetation, including oak and rosemary scrubs, pine flatwoods, and cutthroat seeps and seasonal wetlands. The station also manages the 10,500-acre MacArthur Agro-ecology Research Center (MAERC) at Buck Island Ranch.	25 miles southwest of the Okeechobee 2 site	Development likely limited within this area.	ABS Feb 2004
Archie Carr National Wildlife Refuge	Home to the largest nesting population of endangered loggerhead, leatherback, and green sea turtles in the U.S. Recreational activities include fishing, canoeing, swimming, and wildlife viewing. 195,000 visitors in 2006.	49 miles northeast of the Okeechobee 2 site	Development likely limited within this refuge.	USFWS Nov 2008
Atlantic Ridge Preserve State Park	The preserve has not yet opened to the public due to the lack of a public access road. Once the constructed the preserve will be available for passive recreational including hiking, horseback riding, picnicking, wildlife observation, and birding.	43 miles southeast of the Okeechobee 2 site	Development likely limited within this refuge.	FDEP Dec 2005
Avalon State Park	Supports intact examples of coastal and wetland communities including a large stand of undeveloped maritime hammock. Recreational activities focus on the 6000 feet of Atlantic shoreline and include swimming, fishing, and surfing.	42 miles northeast of the Okeechobee 2 site	Trail development likely within this park. Other development would be limited.	FDEP Aug 2002

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Babcock Ranch Preserve	The 73,239 acre property was purchased by the State of Florida and Lee County in 2006 and is the largest purchase of conservation land in the state's history. The property is preserved as with operations including cattle ranching, silviculture tenant farming, horticultural debris disposal, ecotourism, and natural resource based recreation (such as hiking, hunting, and fishing).	44 miles southwest of the Okeechobee 2 site	Addition of hiking, biking, and horse trails and camping facilities is planned. Other development would be limited.	FFWCC Jul 2008
Barley Barber Swamp	A one-mile boardwalk runs through a cypress swamp. On FLP owned Martin site land. Public access requires advance reservation.	25 miles southeast of the Okeechobee 2 site	Development likely limited within this refuge.	FFWCC Jul 2010
Big Water Heritage Trail	Scenic auto route circling Lake Okeechobee passing through five counties and going by multiple natural and historic sites.	7 miles southeast of the Okeechobee 2 site	Development likely limited at specific points along the trail.	SWFRPC 2009
DuPuis Wildlife and Environmental Area	21,875 acres managed to conserve and protect water resources as well as protect and restore land resources to its natural state. Recreation activities include hunting, fishing, horseback and bicycle riding, canoeing, camping, and hiking.	28 miles southeast of the Okeechobee 2 site	Development likely limited within this refuge.	SFWMD Jun 2008
Fisheating Creek Wildlife Management Area	The 18,272 acre property is used for conservation and protection of the natural communities along the shores of Fisheating Creek. Contains natural summer roosts for endangered swallowtail kites.	23 miles southwest of the Okeechobee 2 site	Development limited within property.	FFWCC Feb 2003

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Florida National Scenic Trail	Scenic hiking trail stretches over 1400 miles across the state and traverses nearly all of Florida's unique habitats and includes the Lake Okeechobee Scenic Trail. Portions of the trail are accessible for bicycling, horseback riding, or inline skating.	2 miles south of the Okeechobee 2 site	Development likely limited at specific points along the trail.	USDAFS Feb 2006
Fort Pierce Inlet State Park	Beaches used as nesting grounds for loggerhead sea turtles. Recreation activities include fishing, swimming, surfing, boating, biking, hiking, and wildlife viewing.	41 miles northeast of the Okeechobee 2 site	Additional facilities for canoe access, picnicking staff housing needs, and securing reliable access to the island are planned.	FDEP Dec 2006
Highlands Hammock State Park	One of Florida's first state parks. Public outdoor recreation and conservation is the designated single use of the 9251 acre property. Recreation activities include camping, picnicking, hiking, horse and bicycle riding.	36 miles northwest of the Okeechobee 2 site	Development includes, refurbishing of existing facilities, and creating an additional day use area.	FDEP Feb 2007
Hobe Sound National Wildlife Refuge	An important example of pre-contact Florida ecological environments. Sand dunes and associated lagoons are habitats for rare and threatened species as manatees, scrub jays, and leatherback sea turtles. Hiking and swimming available to public.	49 miles east of the Okeechobee 2 site	Upgrades to existing beach facilities are planned.	USFWS Dec 2006
Hungryland Wildlife and Environmental Area	The 10,294 acre property was purchased to conserve and protect environmentally unique and irreplaceable lands including relatively undisturbed, high quality pine flatwoods. Recreation activities include hiking, horseback riding, hunting, and fishing.	37 miles southeast of the Okeechobee 2 site	Development likely limited within this property.	FFWCC Feb 2002
Indian River County Public Shooting Range	Provides public outdoor recreation facility and a training site for hunter education students, volunteers, and law enforcement personnel.	44 miles northeast of the Okeechobee 2 site	Development likely limited within this property.	FFWCC Aug 2008

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
J.W. Corbett Wildlife Management Area	Management of unique tropical hardwood hammocks and slash pine flatwoods habitat of the South Florida systems and recovery of the endangered and threatened species that occur there. The vast majority of the 60,288 acre property is used for wildlife management and public hunting.	35 miles southeast of the Okeechobee 2 site	Additional land acquisition is planned. Planned public uses will include hunting, fishing, and horseback riding.	FFWCC Apr 2003
Jonathan Dickenson State Park	The 11,471 acre park supports many unique natural features and significant cultural resources. Contains one the last remaining coastal sand pine scrub plant communities along the southeast coast, a 2600 acre wilderness preserve, and most of the Loxahatchee National Wild and Scenic River. Recreation activities include hiking, biking, camping, picnicking, canoe/kayaking, and interpretive programs.	49 miles east of the Okeechobee 2 site	Development likely limited within this property.	FDEP Feb 2000
Kissimmee Prairie Preserve State Park	Public outdoor recreation and conservation is the single use of the 53,760 acres property. Recreation activities include hiking, biking and horse riding trails, camping, picnicking, and interpretive programs.	20 miles north of the Okeechobee 2 site	Development of new visitor center is planned. Other development likely limited within this property.	FDEP Apr 2005a
Lake June in Winter Scrub State Park	Some of the finest remnants of scrub habitat found in peninsular Florida and supports a significant population of Florida scrub jays and five listed plant species. The primary recreation activities focus on the shoreline of the lake.	29 miles west of the Okeechobee 2 site	Development likely limited within this property.	FDEP Feb 2004

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Lake Okeechobee	Lake Okeechobee is the second largest freshwater lake within the continental United States and is a nationally recognized bass and pan fishing resource. The Lake offers other recreational amenities as well. Air boat and swamp buggy rides, bike riding, hiking, picnicking, camping, and nature interpretation are popular land based recreation activities in the region.	7 miles southeast of the Okeechobee 2 site	Development likely limited within this area.	FDEP Jun 2010
Lake Okeechobee Scenic Trail	A 110 mile long hiking trail circling Lake Okeechobee atop the Herbert Hoover Dike offers scenic views of lakeside and agricultural landscapes. The trail provides opportunities for hiking, bicycle and horseback riding, bird watching, and fishing.	2 miles south of the Okeechobee 2 site	Development likely limited at specific points along the trail.	FDEP Jun 2010
Lake Wales Ridge National Wildlife Refuge	Management of unique scrub habitat of the Central Florida ridge systems and recovery of the endangered and threatened species that occur there. Public access to refuge is limited to guided tours only.	23 miles west of the Okeechobee 2 site	Additional land acquisition is planned. Development likely limited within this area.	USFWS Apr 2010
Lake Wales Ridge Wildlife and Environmental Area	Management and restoration of unique scrub habitat of the Central Florida ridge systems and recovery of the endangered and threatened species that occur there. Public access to refuge is limited to guided tours only.	23 miles west of the Okeechobee 2 site	Development likely limited within this area.	FFWCC Sep 2002

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Okaloacoochee Slough Wildlife Management Area	A 2923 acre property managed to maintain and restore the Okalacoochee Slough sawgrass marsh unique lands and threatened and endangered species associated with it. Public activities include hunting, fishing, bird watching, horseback riding, hiking, nature study, wildlife viewing, picnicking, and primitive camping. Access limited to eastern side of property.	47 miles southwest of the Okeechobee 2 site	Additional acquisition is planned of surrounding land. Development likely limited within this area.	FFWCC Dec 2001
Pelican Island National Wildlife Refuge	Management of habitats to sustain abundant populations of native species and to help recover threatened and endangered species. Recreational activities include hunting, fishing, canoeing, boating, and wildlife viewing.	48 miles northeast of the Okeechobee 2 site	Expansion of visitor facilities is planned. Other development would be limited within this refuge.	USFWS Sep 2006
Savannas Preserve State Park	Property (5227 acres) encompasses portions of the Atlantic Coastal Ridge and the flatwoods and savanna-like wetlands associated with it. It harbors a unique set of natural communities that include sand pine scrub, flatwoods, marsh, and wet prairies. Public recreation activities include hiking, bicycle and horseback riding, canoe/kayaking, picnicking, wildlife viewing and environmental education.	39 miles east of the Okeechobee 2 site	Development of facilities for public use likely limited within this area.	FDEP Jun 2003
Seabranche Inlet State Park	Management of 913 acres of various different natural communities including a rare and important baygall, beach dune, and scrub communities. The park is only open to the public for hiking and nature appreciation.	47 miles east of the Okeechobee 2 site	Development likely limited within this area.	FDEP Oct 2002a

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Spirit of the Wild Wildlife Management Area	This 7486 acre property is managed to protect existing swale or "river grass" natural community which forms an important habitat for numerous species of concern, as well as forms a hydrological connection with protected lands to the east and south. Public recreation activities include hunting, fishing, horseback riding, hiking, nature study, wildlife viewing, picnicking, and primitive camping	50 miles southwest of the Okeechobee 2 site	Additional acquisition is planned. Development likely limited within this area.	FFWCC Sep 2006
St. Lucie Inlet Preserve State Park	Accessible only by private boat and provides 4786 acres consisting of mangrove swamps, maritime hammock and undeveloped beach. Public recreation activities include swimming, snorkeling, scuba diving, sunbathing, fishing, primitive camping, picnicking, hiking, and nature appreciation.	47 miles east of the Okeechobee 2 site	Development likely limited within this park.	FDEP Oct 2002b
St. Sebastian River Preserve State Park	Twenty archaeological sites and twenty-two distinct natural communities have been mapped in the 21,748 acre park including mesic flatwoods, prairie hammock, sandhill, scrubby flatwoods, and upland hardwood forests. Recreation activities include fishing, canoe/kayaking, horseback riding, hiking, primitive camping, and nature appreciation.	42 miles northeast of the Okeechobee 2 site	Development likely limited within this area	FDEP Oct 2005
Three Lakes Wildlife Management Area	A 50,889 acre property managed to provide environmental protection of extensive prairie, lake, and hammock habitats and maintain biodiversity while allowing compatible use by man. Recreation activities include hunting, fishing, horseback riding, hiking, canoeing, boating, wildlife viewing, picnicking, and camping.	40 miles north of the Okeechobee 2 site	Additional acquisition is planned. Development likely limited within this area	FFWCC Jan 2001

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Comprehensive Everglades Restoration Plan Projects				
C-44 Reservoir and Storage and Treatment Area	A component of the Indian River Lagoon – South Project consisting of a 3400 acre reservoir and 6200 acres of emergent vegetation.	34 miles southeast of the Okeechobee 2 site	Design and land acquisition for this project is completed. Construction is anticipated to begin in 2011.	SFWMD Feb 2006, USACE Feb 2010
Indian River Lagoon-South Project	The project includes construction of several above-ground reservoirs and stormwater treatment areas. The project will use constructed wetlands and muck removal to improve surface water management and water quality of several canal basins, as well as, improve habitat in the St. Lucie Estuary and Indian River Lagoon.	22 miles east of the Okeechobee 2 site	Proposed. Project is scheduled to begin in 2010.	SFWMD Jun 2010, USACE Nov 2009, USACE Feb 2010
Lake Okeechobee Aquifer Storage and Recovery	Project proposes to increase regional storage while reducing both evaporation losses and the amount of land removed from current land use. This will be accomplished by a series of aquifer storage and recovery wells adjacent to Lake Okeechobee with a capacity of one billion gallons per day and the associated pre- and post- water quality treatment facilities.	6 miles southeast of the Okeechobee 2 site	Five separate ASR pilot projects have been constructed around Lake Okeechobee and have provided five years of field data. Two more pilot systems began cycle testing in 2008.	USACE Undated, USACE Jun 2008

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Lake Okeechobee Watershed Project	Construction of a 1984-acre reservoir and 3975-acre treatment area in the Taylor Creek/Nubbin Slough basin; a 10,281-acre reservoir in the Kissimmee River basin; a 5416-acre reservoir and 8044 acre treatment area in the Lake Istokpoga basin, and a 3730-acre wetland restoration site in Paradise Run in order to increase aquatic and wildlife habitat, regulate lake staging, reduce phosphorus loading, and reduce damaging releases to the surrounding estuaries.	Various locations in Okeechobee County	Proposed. Project is scheduled to begin in 2019.	USACE Undated, USACE Nov 2009
Melaleuca Eradication and other Exotic Plants	Project enhances efforts to control invasive exotic species in south Florida through mass rearing and controlled release of biological agents throughout the region.	Throughout the region	Proposed. Project is scheduled to begin in 2011.	USACE Nov 2009
North Palm Beach County – Part 1	Part 1 of this project includes portions of seven basins that will capture, store and treat excess water that is currently discharged to the Lake Worth Lagoon and use that water to enhance the Loxahatchee River, Loxahatchee Slough, and West Palm Beach Water Catchment Area.	35 miles southeast of the Okeechobee 2 site	Project in pre-construction, engineering, and design phase. Part 1 construction is estimated to be completed in 2014.	USACE Undated, USACE May 2005
Central and Southern Florida (C&SF) Projects				
Herbert Hoover Dike Rehabilitation	Project to strengthen the 143-mile dike that surrounds Lake Okeechobee.	7 miles southeast of the Okeechobee 2 site	Construction is underway on the southeast section of the dike. Completion of the project is anticipated in 2025.	USACE Nov 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Other Ecosystem Restoration Projects				
Kissimmee River Restoration Project	Project to restore over 40 square miles of river and floodplain ecosystem, including 43 miles of meandering river channel and 27,000 acres of wetlands. The project will re-establish a favorable environment for the flora and fauna that existed in the area prior to the 1960s, when the river was altered to provide flood protection.	22 miles northwest of the Okeechobee 2 site	Restoration efforts are underway and are expected to be completed in 2013.	USACE Nov 2009
Lakeside Ranch Storage and Treatment Area	Construction of a 2700-acre wetland in western Martin County that will use emergent vegetation to remove phosphorus from stormwater runoff in the Taylor Creek/Nubbin Slough basin before it enters Lake Okeechobee. The project has been divided into two phases, STA North and STA South.	9 miles east of the Okeechobee 2 site	Construction of STA North began in 2009. Final design of STA South is scheduled to be completed in 2010, and construction is scheduled to begin in 2011.	SFWMD Jun 2010, USACE Nov 2009
Mining Projects				
Brown Ranch Mine	Crushed stone mine	39 miles northeast of the Okeechobee 2 site	Operational	USGS 2005
Capron Trails Mine	Sand and gravel mine	45 miles southeast of the Okeechobee 2 site	Operational	USGS 2005
Fort Pierce Quarry	Crushed stone mine	26 miles east of the Okeechobee 2 site	Operational	USGS 2005
Lake Point Mine	Development of a 959 acres commercial limestone quarry in Martin County	28 miles southeast of the Okeechobee 2 site	Proposed. CWA Section 404 permit application submitted April 2010.	ACOE Apr 2010a
Mecca-Ryan Operation	Sand and gravel mine	50 miles southeast of the Okeechobee 2 site	Operational	USGS 2005
Ortona Mine & Plant	Sand and gravel mine	38 miles southwest of the Okeechobee 2 site	Operational	USGS 2005

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Ortona Sand Mine Expansion	154 acres expansion of sand mining operation in Glades County	37 miles southwest of the Okeechobee 2 site	Proposed. CWA Section 404 permit application submitted March 2010.	ACOE Apr 2010b
Palmdale Sand	Sand and gravel mine	30 miles southwest of the Okeechobee 2 site	Operational	USGS 2005
Sebring Tu-Co Peat Operation	Peat mine	33 miles northwest of the Okeechobee 2 site	Operational	USGS 2005
St. Lucie Mine	Sand and gravel mine	33 miles east of the Okeechobee 2 site	Operational	USGS 2005
Star Pit	Crushed stone mine	46 miles southeast of the Okeechobee 2 site	Operational	USGS 2005
Witherspoon Sand Plant	Sand and gravel mine	37 miles southwest of the Okeechobee 2 site	Operational	USGS 2005
Other Actions/Projects				
Central and Southern Florida Flood Control Project	The C&SF Flood Control Project was authorized by Congress in 1948 to provide flood control, water supply, prevention of saltwater intrusion, and protection of fish and wildlife resources. Today the CS&F project includes 1000 miles of canals, 720 miles of levees, and almost 200 water control structures. It covers 16 counties over an 18,000-square-mile area from Orlando to the Florida Reef Tract. The existing project provides water supply, flood protection, water management and other benefits to South Florida. However, the project has had unintended negative effects on the Everglades and the entire south Florida ecosystem.	Throughout the region.	Operational	HRA Jun 2006
Alpha General Services, Inc.	Fiberglass tank manufacturer	34 miles northwest of the Okeechobee 2 site	Operational	FDEP Sep 2006
Arch Mirror South	Glass mirror manufacturer	36 miles northeast of the Okeechobee 2 site	Operational	FDEP Oct 2007

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Atlantic Sugar Association	Sugar manufacturer	44 miles southeast of the Okeechobee 2 site	Operational	FDEP Jun 2007
Avon Park Air Force Range	106,000-acre bombing and gunnery range, and air-ground training complex. Approximately 82,000 acres are open for public access on a regular basis for hiking, hunting, fishing, camping, and other related activities.	25 miles northwest of the Okeechobee 2 site	Operational	Global Security undated
Cargill Juice America, Inc. - Avon Park Citrus Processing Facility	Citrus juice products and animal feed manufacturer	45 miles northwest of the Okeechobee 2 site	Operational	FDEP May 2007c
Cargill Juice America, Inc. - Frostproof Plant	Food manufacturer	49 miles northwest of the Okeechobee 2 site	Operational	FDEP Apr 2006
E-Stone USA Corp	Cultured granite reinforced plastics manufacturer	29 miles northwest of the Okeechobee 2 site	Operational	FDEP Nov 2009c
Genpak LLC	Polystyrene foam packaging materials manufacturer	37 miles northwest of the Okeechobee 2 site	Operational	FDEP Jul 2005
Louis Dreyfus Citrus Inc. – Indiantown Citrus Processing Plant	Food Manufacturer	33 miles southeast of the Okeechobee 2 site	Operational	FDEP Jul 2008b
Macho Products Inc	Protective equipment manufacturer	44 miles northeast of the Okeechobee 2 site	Operational	FDEP May 2007b
Maverick Boat Company	Fiberglass boat manufacturer	39 miles northeast of the Okeechobee 2 site	Operational	FDEP Jan 2006
Okeelanta Corporation	Sugar manufacturer	48 miles southeast of the Okeechobee 2 site	Operational	FDEP Jan 2001
Osceola Farms Co	Sugar manufacturer	38 miles southeast of the Okeechobee 2 site	Operational	FDEP Mar 2010b

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Pratt & Whitney - Area C12 & C14	Engineering, manufacturing, and testing of gas turbine and rocket engines	43 miles southeast of the Okeechobee 2 site	Operational	PBCHD Jul 2004
S2 Yachts Inc. Pursuit Division	Fiberglass boat manufacturer	39 miles northeast of the Okeechobee 2 site	Operational	FDEP Mar 2008
Sebring International Raceway	A road course auto racing facility with three track configurations; the 12-hour Grand Prix Course, the Old Club Course, and the New Club Course.	29 miles northeast of the Okeechobee 2 site	Operational	NAMP Jun 2007
Southern Gardens Citrus Processing Corp. – Clewiston Plant	Food manufacturer	37 miles southwest of the Okeechobee 2 site	Operational	FDEP May 2010a
Sugar Cane Growers Cooperative of Florida	Sugar manufacturer	41 miles southeast of the Okeechobee 2 site	Operational	FDEP Aug 2006
Tropicana Products, Inc. – Fort Pierce Facility	Citrus product and animal feed manufacturer	35 miles northeast of the Okeechobee 2 site	Operational	FDEP Oct 2006
Twin Vee Catamarans	Fiberglass boat manufacturer	39 miles northeast of the Okeechobee 2 site	Operational	FDEP Oct 2008
U.S. Sugar Corp. – Clewiston Mill	Sugar manufacturer	35 miles south of the Okeechobee 2 site	Operational	FDEP Feb 2010
Wellcraft Marine Corp	Fiberglass boat manufacturer	43 miles northwest of the Okeechobee 2 site	Operational	FDEP Jul 1999
Water Reclamation and Wastewater Treatment Plants	Numerous plants	Within 50-mile radius of the site	Operational	FDEP Aug 2010a FDEP Aug 2010b
Future Urbanization	Construction of housing units and associated commercial buildings; roads, bridges and rail; construction of water and/or wastewater treatment facilities and associated pipelines.	Throughout the region.	Construction would occur in the future, as described in state and local land-use planning documents.	

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the Okeechobee 2 Site				
Project Name	Summary of Project	Location	Status	Reference
Various hospitals and industrial facilities that use radioactive materials	Medical and other isotopes	Within 50-mile radius of the site.	Operational	

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Energy Projects				
City of Vero Beach Municipal Utilities	Five-unit, 155-MW gas- and oil-fired plant	21 miles northwest of the St. Lucie site	Operational	FDEP Jan 2008c
Florida Gas Transmission - Phase VIII Expansion Project	Construction and operation of 483.2 miles of pipeline facilities, including an 89.8-mile long natural gas pipeline in a new right-of-way that runs from DeSoto County through Highlands and Okeechobee Counties to the FPL Martin Plant site.	DeSoto, Highlands, Okeechobee, and Martin Counties	Proposed. Final EIS issued September 2009.	FERC Sep 2009
Florida Gas Transmission - Station #20	Compressor station consisting of 5 internal combustion engines.	12 miles northwest of the St. Lucie site	Operational	FDEP May 2008
Florida Municipal Power Agency - Treasure Coast Energy Center	Single unit, 300-MW gas-fired plant	8 miles northwest of the St. Lucie site	Operational	FDEP May 2010b
Floridian Natural Gas Storage Company – Natural Gas Storage Facility	Liquefied natural gas storage, liquefaction, and vaporization facility with storage capacity of eight billion cubic feet of natural gas	26 miles southwest of the St. Lucie site	Proposed. Final EIS issued July 2008.	FERC Jul 2008
Fort Pierce Utilities Authority – H. D. King Power Plant	Four-unit, 136-MW gas- and oil-fired plant	9 miles northwest of the St. Lucie site	Operational	FDEP Jan 2008d
FPL - Martin Next Generation Solar Energy Center	75-MW solar thermal plant	28 miles southwest of the St. Lucie site	Proposed. Currently under construction, expected completion 3Q 2010.	FPL May 2008
FPL - Martin Plant	Five-unit, 3734-MW gas- and oil-fired plant	26 miles southwest of the St. Lucie site	Operational	FDEP Nov 2009b
FPL - Riviera Plant	Two-unit, 580-MW oil- and gas-fired plant	42 miles southeast of the St. Lucie site	Operational. Would be replaced by the Riviera Plant Repowering Project	FDEP Jan 2009
FPL - Riviera Plant Repowering Project	A single unit, 1250-MW gas-fired combined-cycle plant would replace the two existing boilers at the site.	42 miles southeast of the St. Lucie site	Proposed. Air Construction Permit issued June 2009.	FDEP Jun 2009

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
FPL - St. Lucie Plant	Two-unit, 1680-MW nuclear plant	Collocated with existing units at the St. Lucie site	Operational	FPL Dec 2007
FPL - St. Lucie Uprate Project	The project will increase the net electrical generation for Units 1 & 2 by 104-MW each.	Collocated with existing units at the St. Lucie site	Proposed. Site Certification Application approved by FPSC in 2008.	FPL Dec 2007
FPL - West County Energy Center	Two-unit, 2500-MW gas-fired plant	45 miles southwest of the St. Lucie site	Operational	FDEP Jul 2008a
FPL - West County Energy Center, Unit 3	Single unit, 1250-MW gas-fired plant	45 miles southwest of the St. Lucie site	Proposed. Unit 3 under construction, expected completion in 2011.	FDEP Jul 2008a
Geoplasma-St. Lucie, LLC - St. Lucie Plasma Gasification Project	24-MW plasma arc gasification waste-to-energy (WTE) plant	9 miles northwest of the St. Lucie site	Proposed. Draft Air Construction Permit issued May 2010.	FDEP May 2010c
Indiantown Cogeneration Plant	Single unit, 330-MW coal-fired plant with 2 gas-fired auxiliary boilers.	26 miles southwest of the St. Lucie site	Operational	FDEP Jan 2010
INEOS New Planet Indian River County BioEnergy Facility	8-MGPY cellulosic ethanol refinery and a 5-MW biomass-fired power plant	22 miles northwest of the St. Lucie site	Proposed. Application for air construction permit submitted February 2010.	INEOS Feb 2010
Okeechobee Landfill – Landfill Gas to Energy Project	Four- unit, 25.5-MW landfill gas-fired plant.	27 miles west of the St. Lucie site	Proposed. Air construction permit issued April 2010.	FDEP Apr 2010
Sea Gen St. Lucie Hydroelectric Project	Installation, 25 miles off shore near St. Lucie County, of 20 to 40 submerged hydrokinetic generating units with a total capacity of 20- to 40-MW	31 miles east of the St. Lucie site	Proposed. Preliminary permit issued February 2005.	FERC Feb 2005a
Sea Gen St. Sebastian Hydroelectric Project	Installation, 25 miles off shore near Indian River County, of 20 to 40 submerged hydrokinetic generating units with a total capacity of 20- to 40-MW	41 miles northeast of the St. Lucie site	Proposed. Preliminary permit issued February 2005.	FERC Feb 2005b
Solid Waste Authority of Palm Beach County – Palm Beach Renewable Energy Facility No. 1	Two-unit, 62-MW municipal solid waste (MSW)-fired plant	39 miles southeast of the St. Lucie site	Operational	FDEP Jul 2006

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Solid Waste Authority of Palm Beach County – Palm Beach Renewable Energy Facility No. 2	Three-unit, 100-MW MSW-fired plant	39 miles southeast of the St. Lucie site	Proposed. Application for air construction permit submitted May 2010.	SWAPBC May 2010
Transportation Projects				
Indiantown Airport	General aviation airport.	25 miles northwest of the St. Lucie site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
North Palm Beach County Airport	General aviation and reliever airport for Palm Beach International	34 miles south of the St. Lucie site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Okeechobee County Airport	General aviation airport.	37 miles southwest of the St. Lucie site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach County Glades Airport	General aviation airport.	47 miles southwest of the St. Lucie site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Palm Beach International Airport	Full service airport - commercial airlines, air cargo, and general aviation	46 miles south of the St. Lucie site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
St Lucie County International Airport	General aviation airport.	12 miles northwest of the St. Lucie site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Valkaria Airport	General aviation airport.	46 miles northwest of the St. Lucie site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Vero Beach Municipal Airport	Commercial and general aviation airport.	23 miles northwest of the St. Lucie site	Operational. Expansion and construction would occur in the future, as described in state and local planning documents.	FDOT 2009
Witham Field Airport	General aviation airport.	12 miles south of the St. Lucie site	Operational. Limited expansion would occur in the future, as described in state and local planning documents.	FDOT 2009
Port of Fort Pierce	99 acres deepwater seaport with public and private cargo terminals. Current annual cargo throughput of 0.358 million tons.	9 miles northwest of the St. Lucie site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010
Port of Palm Beach	Large full-service deepwater seaport. Current annual cargo throughput of 2.3 million tons. Cruise terminal serves 349,000 passengers annually.	42 miles southeast of the St. Lucie site	Operational. Port expansion, dredging, and construction would occur in the future, as described in state and local planning documents.	FSTEDC Mar 2010

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Tampa - Orlando – Miami High-Speed Intercity Passenger Rail	This project would provide high-speed rail service from Tampa to Miami (through Orlando) with stops in West Palm Beach and Ft. Lauderdale. The termini for the Orlando -Miami corridor are the Orlando International Airport (OIA) and the Miami Intermodal Center at the Miami Airport (MIA).	Route follows the Florida Turnpike corridor from Orange County through Osceola, Okeechobee, St. Lucie, Martin and Palm Beach Counties	Proposed. Phase 1 (Tampa-Orlando corridor) is ongoing. Project development for Phase 2 (Orlando-Miami corridor) began in May 2010.	FDOT May 2010
Parks and Nature Preserve Facilities				
Archie Carr National Wildlife Refuge	Home to the largest nesting population of endangered loggerhead, leatherback, and green sea turtles in the U.S. Recreational activities include fishing, canoeing, swimming, and wildlife viewing. 195,000 visitors in 2006.	31 miles northeast of the St. Lucie site	Development likely limited within this refuge.	USFWS Nov 2008
Arthur R. Marshall Loxahatchee National Wildlife Refuge	Management of species and habitats to enhance the native biodiversity and integrity of the Everglades ecosystem. Recreational activities include hunting, fishing, canoeing, boating, and wildlife viewing.	46 miles south of the St. Lucie site	Additional land acquisition and expansion of visitor facilities are planned. Other development would be limited within this refuge.	USFWS Sep 2000
Atlantic Ridge Preserve State Park	The preserve has not yet opened to the public due to the lack of a public access road. Once the constructed the preserve will be available for passive recreational including hiking, horseback riding, picnicking, wildlife observation, and birding.	16 miles south of the St. Lucie site	Development likely limited within this refuge.	FDEP Dec 2005
Avalon State Park	Supports intact examples of coastal and wetland communities including a large stand of undeveloped maritime hammock. Recreational activities focus on the 6,000 feet of Atlantic shoreline and include swimming, fishing, and surfing.	14 miles northwest of the St. Lucie site	Trail development likely within this park. Other development would be limited.	FDEP Aug 2002

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Barley Barber Swamp	A one-mile boardwalk runs through a cypress swamp. On FLP owned Martin site land. Public access requires advance reservation.	29 miles southwest of the St. Lucie site	Development likely limited within this refuge.	FFWCC Jul 2010
Big Water Heritage Trail	Scenic auto route circling Lake Okeechobee passing through five counties and going by multiple natural and historic sites.	30 miles southwest of the St. Lucie site	Development likely limited at specific points along the trail.	SWFRPC 2009
DuPuis Wildlife and Environmental Area	21,875 acres managed to conserve and protect water resources as well as protect and restore land resources to its natural state. Recreation activities include hunting, fishing, horseback and bicycle riding, canoeing, camping, and hiking.	29 miles southwest of the St. Lucie site	Development likely limited within this refuge.	SFWMD Jun 2008
Florida National Scenic Trail	Scenic hiking trail stretches over 1400 miles across the state and traverses nearly all of Florida's unique habitats and includes the Lake Okeechobee Scenic Trail. Portions of the trail are accessible for bicycling, horseback riding, or inline skating.	22 miles south of the St. Lucie site	Development likely limited at specific points along the trail.	USDAFS Feb 2006
Fort Pierce Inlet State Park	Beaches used as nesting grounds for loggerhead sea turtles. Recreation activities include fishing, swimming, surfing, boating, biking, hiking, and wildlife viewing.	9 miles north of the St. Lucie site	Additional facilities for canoe access, picnicking staff housing needs, and securing reliable access to the island are planned.	FDEP Dec 2006
Hobe Sound National Wildlife Refuge	An important example of pre-contact Florida ecological environments. Sand dunes and associated lagoons are habitats for rare and threatened species as manatees, scrub jays, and leatherback sea turtles. Hiking and swimming available to public.	17 miles southeast of the St. Lucie site	Upgrades to existing beach facilities are planned.	USFWS Dec 2006

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Hungryland Wildlife and Environmental Area	The 10,294 acre property was purchased to conserve and protect environmentally unique and irreplaceable lands including relatively undisturbed, high quality pine flatwoods. Recreation activities include hiking, horseback riding, hunting, and fishing.	24 miles south of the St. Lucie site	Development likely limited within this property.	FFWCC Feb 2002
Indian River County Public Shooting Range	Provides public outdoor recreation facility and a training site for hunter education students, volunteers, and law enforcement personnel.	35 miles northwest of the St. Lucie site	Development likely limited within this property.	FFWCC Aug 2008
Indian River Lagoon State Park	Two miles of undeveloped frontage (402 acres) along the Indian River Lagoon purchased to preserve and improve the aquatic natural communities. A third of the country's manatee population lives with in Indian River Lagoon. Public use limited to picnicking, hiking, bank fishing, and camping at undeveloped sites.	42 miles north of the St. Lucie site	31 acres of additional land acquisition is planned. Development likely limited within this property.	FDEP Jan 2004
J.W. Corbett Wildlife Management Area	Management of unique tropical hardwood hammocks and slash pine flatwoods habitat of the South Florida systems and recovery of the endangered and threatened species that occur there. The vast majority of the 60,288 acre property is used for wildlife management and public hunting.	28 miles south of the St. Lucie site	Additional land acquisition is planned. Planned public uses will include hunting, fishing, and horseback riding.	FFWCC Apr 2003

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
John D. MacArthur Beach State Park	Park protects a unique cross section of coastal Florida landscape including 121 acres of tropical maritime hammock, the largest remaining example in the county. Nine designated plant and 20 animal species occupy the natural habitats preserved by this park. The 7,000-ft sand beach and dune community attracts a large number of nesting loggerhead, green, and leatherback sea turtles. Recreation activities include swimming, snorkeling, canoeing, fishing, and bird watching.	37 miles south of the St. Lucie site	Development likely limited within this property	FDEP Apr 2005b
Jonathan Dickenson State Park	The 11,471 acre park supports many unique natural features and significant cultural resources. Contains one the last remaining coastal sand pine scrub plant communities along the southeast coast, a 2600 acre wilderness preserve, and most of the Loxahatchee National Wild and Scenic River. Recreation activities include hiking, biking, camping, picnicking, canoe/kayaking, and interpretive programs.	22 miles south of the St. Lucie site	Development likely limited within this property	FDEP Feb 2000
Kissimmee Prairie Preserve State Park	Public outdoor recreation and conservation is the single use of the 53,760 acres property. Recreation activities include hiking, biking and horse riding trails, camping, picnicking, and interpretive programs.	44 miles west of the St. Lucie site	Development of new visitor center is planned. Other development likely limited within this property.	FDEP Apr 2005a

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Project Name	Summary of Project	Location	Status	Reference
Lake Okeechobee	Lake Okeechobee is the second largest freshwater lake within the continental United States and is a nationally recognized bass and pan fishing resource. The Lake offers other recreational amenities as well. Air boat and swamp buggy rides, bike riding, hiking, picnicking, camping, and nature interpretation are popular land based recreation activities in the region.	31 miles southwest of the St. Lucie site	Development likely limited within this area.	FDEP Jun 2010
Lake Okeechobee Scenic Trail	A 110 mile long hiking trail circling Lake Okeechobee atop the Herbert Hoover Dike offers scenic views of lakeside and agricultural landscapes. The trail provides opportunities for hiking, bicycle and horseback riding, bird watching, and fishing.	31 miles southwest of the St. Lucie site	Development likely limited at specific points along the trail.	FDEP Jun 2010
Pelican Island National Wildlife Refuge	Management of habitats to sustain abundant populations of native species and to help recover threatened and endangered species. Recreational activities include hunting, fishing, canoeing, boating, and wildlife viewing.	31 miles north of the St. Lucie site	Expansion of visitor facilities is planned. Other development would be limited within this refuge.	USFWS Sep 2006
Savannas Preserve State Park	Property (5227 acres) encompasses portions of the Atlantic Coastal Ridge and the flatwoods and savanna-like wetlands associated with it. It harbors a unique set of natural communities that include sand pine scrub, flatwoods, marsh, and wet prairies. Public recreation activities include hiking, bicycle and horseback riding, canoe/kayaking, picnicking, wildlife viewing and environmental education.	2 miles west of the St. Lucie site	Development of facilities for public use likely limited within this area.	FDEP Jun 2003

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Seabranh Inlet State Park	Management of 913 acres of various different natural communities including a rare and important baygall, beach dune, and scrub communities. The park is only open to the public for hiking and nature appreciation.	14 miles south of the St. Lucie site	Development likely limited within this area.	FDEP Oct 2002a
Sebastian Inlet State Park	This 971 acres park provides the typical recreational resources of Florida's coastal barrier islands with beach frontage on the Atlantic Ocean. Public recreation activities include hiking, biking, picnicking, camping, and bird watching in the upland communities.	35 miles north of the St. Lucie site	Development likely limited within this area.	FDEP Dec 2008
St. Lucie Inlet Preserve State Park	Accessible only by private boat and provides 4786 acres consisting of mangrove swamps, maritime hammock and undeveloped beach. Public recreation activities include swimming, snorkeling, scuba diving, sunbathing, fishing, primitive camping, picnicking, hiking, and nature appreciation.	14 miles south of the St. Lucie site	Development likely limited within this park.	FDEP Oct 2002b
St. Sebastian River Preserve State Park	Twenty archaeological sites and twenty-two distinct natural communities have been mapped in the 21,748 acre park including mesic flatwoods, prairie hammock, sandhill, scrubby flatwoods, and upland hardwood forests. Recreation activities include fishing, canoe/kayaking, horseback riding, hiking, primitive camping, and nature appreciation.	33 miles northwest of the St. Lucie site	Development likely limited within this area.	FDEP Oct 2005
Comprehensive Everglades Restoration Plan Projects				
C-44 Reservoir and Storage and Treatment Area	A component of the Indian River Lagoon – South Project consisting of a 3400 acre reservoir and 6200 acres of emergent vegetation.	20 miles south of the St. Lucie site	Design and land acquisition for this project is completed. Construction is anticipated to begin in 2011.	SFWMD Feb 2006, USACE Feb 2010

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Indian River Lagoon-South Project	The project includes construction of several above-ground reservoirs and stormwater treatment areas. The project will use constructed wetlands and muck removal to improve surface water management and water quality of several canal basins, as well as, improve habitat in the St. Lucie Estuary and Indian River Lagoon.	16 miles southwest of the St. Lucie site	Proposed. Project is scheduled to begin in 2010.	SFWMD Jun 2010, USACE Nov 2009, USACE Feb 2010
Lake Okeechobee Aquifer Storage and Recovery	Project proposes to increase regional storage while reducing both evaporation losses and the amount of land removed from current land use. This will be accomplished by a series of aquifer storage and recovery wells adjacent to Lake Okeechobee with a capacity of one billion gallons per day and the associated pre- and post- water quality treatment facilities.	30 miles southwest of the St. Lucie site	Five separate ASR pilot projects have been constructed around Lake Okeechobee and have provided five years of field data. Two more pilot systems began cycle testing in 2008.	USACE Undated, USACE Jun 2008
Lake Okeechobee Watershed Project	Construction of a 1984-acre reservoir and 3975-acre treatment area in the Taylor Creek/Nubbin Slough basin; a 10,281-acre reservoir in the Kissimmee River basin; a 5416-acre reservoir and 8044 acre treatment area in the Lake Istokpoga basin, and a 3730-acre wetland restoration site in Paradise Run in order to increase aquatic and wildlife habitat, regulate lake staging, reduce phosphorus loading, and reduce damaging releases to the surrounding estuaries.	Various locations in Okeechobee County	Proposed. Project is scheduled to begin in 2019.	USACE Undated, USACE Nov 2009
Melaleuca Eradication and other Exotic Plants	Project enhances efforts to control invasive exotic species in south Florida through mass rearing and controlled release of biological agents throughout the region.	Throughout the region	Proposed. Project is scheduled to begin in 2011.	USACE Nov 2009

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
North Palm Beach County – Part 1	Part 1 of this project includes portions of seven basins that will capture, store and treat excess water that is currently discharged to the Lake Worth Lagoon and use that water to enhance the Loxahatchee River, Loxahatchee Slough, and West Palm Beach Water Catchment Area.	26 miles south of the St. Lucie site	Project in pre-construction, engineering, and design phase. Part 1 construction is estimated to be completed in 2014.	USACE Undated, USACE May 2005
North Palm Beach County – Part 2	Part 2 includes aquifer storage and recovery (ASR) with a capacity of 220 million gallons per day.	47 miles south of the St. Lucie site	Project in pre-construction, engineering, and design phase.	USACE Undated
Central and Southern Florida (C&SF) Projects				
Herbert Hoover Dike Rehabilitation	Project to strengthen the 143-mile dike that surrounds Lake Okeechobee.	30.4 miles southwest of the St. Lucie site	Construction is underway on the southeast section of the dike. Completion of the project is anticipated in 2025.	USACE Nov 2009
West Palm Beach Canal/ Stormwater Treatment Area – 1E	Project provides flood control, water quality and water supply to the C-51 basin in Palm Beach County.	45 miles south of the St. Lucie site	Construction is underway. Completion of the project is expected in 2010.	USACE Nov 2009
Other Ecosystem Restoration Projects				
Lakeside Ranch Storage and Treatment Area	Construction of a 2700-acre wetland in western Martin County that will use emergent vegetation to remove phosphorus from stormwater runoff in the Taylor Creek/Nubbin Slough basin before it enters Lake Okeechobee. The project has been divided into two phases, STA North and STA South.	37 miles west of the St. Lucie site	Construction of STA North began in 2009. Final design of STA South is scheduled to be completed in 2010, and construction is scheduled to begin in 2011.	SFWMD Jun 2010, USACE Nov 2009
Mining Projects				
Brown Ranch Mine	Crushed stone mine	15 miles northwest of the St. Lucie site	Operational	USGS 2005

Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Capron Trails Mine	Sand and gravel mine	12 miles south of the St. Lucie site	Operational	USGS 2005
Fort Pierce Quarry	Crushed stone mine	18 miles southwest of the St. Lucie site	Operational	USGS 2005
Lake Point Mine	Development of a 959 acres commercial limestone quarry in Martin County	32 miles southwest of the St. Lucie site	Proposed. CWA Section 404 permit application submitted April 2010.	ACOE Apr 2010a
Mecca-Ryan Operation	Sand and gravel mine	37 miles south of the St. Lucie site	Operational	USGS 2005
Palm Beach Mine	Crushed stone mine	46 miles southwest of the St. Lucie site	Operational	USGS 2005
St. Lucie Mine	Sand and gravel mine	12 miles southwest of the St. Lucie site	Operational	USGS 2005
Other Actions/Projects				
Central and Southern Florida Flood Control Project	The C&SF Flood Control Project was authorized by Congress in 1948 to provide flood control, water supply, prevention of saltwater intrusion, and protection of fish and wildlife resources. Today the CS&F project includes 1000 miles of canals, 720 miles of levees, and almost 200 water control structures. It covers 16 counties over an 18,000-square-mile area from Orlando to the Florida Reef Tract. The existing project provides water supply, flood protection, water management and other benefits to South Florida. However, the project has had unintended negative effects on the Everglades and the entire south Florida ecosystem.	Throughout the region.	Operational	HRA Jun 2006
Arch Mirror South	Glass mirror manufacturer	13 miles northwest of the St. Lucie site	Operational	FDEP Oct 2007
Louis Dreyfus Citrus Inc. – Indiantown Citrus Processing Plant	Food Manufacturer	26 miles southwest of the St. Lucie site	Operational	FDEP Jul 2008b

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Past, Present, and Reasonably Foreseeable Projects and Other Actions in the Vicinity of the St. Lucie Site				
Project Name	Summary of Project	Location	Status	Reference
Macho Products Inc	Protective equipment manufacturer	35 miles northeast of the St. Lucie site	Operational	FDEP May 2007b
Maverick Boat Company	Fiberglass boat manufacturer	12 miles northeast of the St. Lucie site	Operational	FDEP Jan 2006
Osceola Farms Co	Sugar manufacturer	40 miles southwest of the St. Lucie site	Operational	FDEP Mar 2010b
Pratt & Whitney - Area C12 & C14	Engineering, manufacturing, and testing of gas turbine and rocket engines	29 miles south of the St. Lucie site	Operational	PBCHD Jul 2004
S2 Yachts Inc. Pursuit Division	Fiberglass boat manufacturer	12 miles northwest of the St. Lucie site	Operational	FDEP Mar 2008
Sugar Cane Growers Cooperative of Florida	Sugar manufacturer	50 miles southwest of the St. Lucie site	Operational	FDEP Aug 2006
Tropicana Products, Inc. – Fort Pierce Facility	Citrus product and animal feed manufacturer	9 miles northwest of the St. Lucie site	Operational	FDEP Oct 2006
Twin Vee Catamarans	Fiberglass boat manufacturer	7 miles northwest of the St. Lucie site	Operational	FDEP Oct 2008
Venture Marine Inc.	Fiberglass boat manufacturer	41 miles southeast of the St. Lucie site	Operational	PBHCD Dec 2007
Water Reclamation and Wastewater Treatment Plants	Numerous plants	Within 50-mile radius of the site.	Operational	FDEP Aug 2010a FDEP Aug 2010b
Future Urbanization	Construction of housing units and associated commercial buildings; roads, bridges and rail; construction of water and/or wastewater treatment facilities and associated pipelines.	Throughout the region.	Construction would occur in the future, as described in state and local land-use planning documents.	
Various hospitals and industrial facilities that use radioactive materials	Medical and other isotopes	Within 50-mile radius of the site.	Operational	

This response is PLANT SPECIFIC.

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ASSOCIATED COLA REVISIONS:

ER Section 9.3 will be updated in a future revision to reflect the additional cumulative impacts analysis.

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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ASSOCIATED ENCLOSURES:

None.