

Chapter 4: Five-Year Capital Improvements Plan

Candida Heater

The Five-Year Capital Improvements Plan (CIP) includes projected revenues and expenditures for capital improvements from Fiscal Years 2007 through 2011. The CIP is presented in the fixed capital outlay format set forth in Section 216.043, Florida Statutes (F.S.). This format is structured based on the standard budget reporting format prescribed by the Executive Office of the Governor. Capital improvement projects are budgeted in the following state reporting categories:

2.0 Acquisition, Restoration and Public Works

2.1 Land Acquisition

2.2 Water Source Development

2.2.1 Water Resource Development Projects

2.2.2 Water Supply Development Systems

2.3 Surface Water Projects*

2.4 Other Cooperative Projects

2.5 Facilities Construction and Other Major Projects*

3.0 Operation and Maintenance of Lands and Works

3.1 Land Management*

3.2 Works*

3.3 Facilities

3.4 Invasive Plant Control

3.5 Other

*Denotes activities with budgeted capital projects

The CIP includes expenditures for basic construction costs including design, engineering, permits, inspections, and site development; other project costs including land acquisition and associated costs, surveys, and facility acquisition; and estimated changes in operation and maintenance costs for those projects that will be owned and capitalized as fixed assets by the South Florida Water Management District (SFWMD).

State category definitions used by all five water management districts for CIP preparation appear below. A description of projects listed in the five-year capital improvements plan spreadsheet is included in the Consolidated Project Report Database (Appendix 1-3 of this volume). All SFWMD capital projects appear in programs 2.0 and 3.0, as summarized below.

2.0 Acquisition, Restoration and Public Works. This program includes the development and construction of all capital projects (except for those contained in Program 3.0), including water resource development projects/water supply development assistance, water control projects, and support and administrative facilities construction; cooperative projects; land acquisition (including Save Our Rivers/Preservation 2000/Florida Forever) and the restoration of lands and water bodies.

2.3 Surface Water Projects includes those projects that restore or protect surface water quality, flood protection, or surface water related resources through the acquisition and improvement of land, construction of public works, and other activities.

2.5 Facilities Construction and Other Major Projects includes project management; permitting; and conceptual, preliminary, and detailed engineering for the development and preparation of contract plans and specifications for the construction of planned replacement, improvement, or repair to the District's administrative and field station facilities.

3.0 Operation and Maintenance of Lands and Works. This program includes all operation and maintenance of facilities, flood control and water supply structures, lands, and other works authorized by Chapter 373, F.S.

3.1 Land Management includes projects associated with maintenance, public use, and restoration efforts for lands acquired through Save Our Rivers, Preservation 2000, Florida Forever, or other land acquisition programs.

3.2 Works includes maintenance of flood control and water supply system infrastructure, such as canals; levees; pump stations; water control structures; as well as electronic telemetry/communication and control projects.

The SFWMD programs, in which capital projects are budgeted, crosswalk accordingly to the state program and activity (**Table 4-1**). A description of each SFWMD program may be found in the SFWMD Strategic Plan at the District website (www.sfwmd.gov) under the *About SFWMD, Budget & Strategic Plan* section. The SFWMD's Five-Year Capital Improvements Plan for FY2007–FY2011 is presented in **Table 4-2**.

Table 4-1. Budgeted SFWMD programs corresponding to state programs and activities.

SFWMD Program	State Program	State Activity
Kissimmee Watershed	2.0 Acquisition, Restoration and Public Works	2.3 Surface Water Projects
Lake Okeechobee	2.0 Acquisition, Restoration and Public Works	2.3 Surface Water Projects
Comprehensive Everglades Restoration Plan (CERP)	2.0 Acquisition, Restoration and Public Works	2.3 Surface Water Projects
District Everglades [Everglades Forever Act (EFA)]	2.0 Acquisition, Restoration and Public Works	2.3 Surface Water Projects
Mission Support	2.0 Acquisition, Restoration and Public Works	2.5 Facilities Construction and Other Major Projects
Land Stewardship	3.0 Operations and Maintenance of Lands and Works	3.1 Land Management
Operations & Maintenance	3.0 Operations and Maintenance of Lands and Works	3.2 Works

Table 4-2. SFWMD Five-Year Capital Improvements Plan for FY2007—FY2011.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS

2.3 SURFACE WATER PROJECTS

Lake Okeechobee Program

REVENUES	FY2007	FY2008	FY2009	FY2010	FY2011
Ad-Valorem	\$ -	\$ 7,400,000	\$ 30,000	\$ 253,510	\$ 3,177,448
Florida Forever	-	35,200,000	12,270,597	36,200,000	-
Florida Forever Prior Year	-	-	-	7,890,561	-
Lake Okeechobee Trust Fund New Revenue	27,000,000	50,000,000	50,000,000	-	-
Lake Okeechobee Trust Fund Balance	27,291,843	25,818,527	23,046,029	-	-
TOTAL	\$ 54,291,843	\$ 118,418,527	\$ 85,346,626	\$ 44,344,071	\$ 3,177,448

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
438	Nubbin Slough STA Expansion	\$ 7,825,401	\$ -	\$ -	\$ -	\$ -
242	Lemkin Creek Urban Treatment System	4,450,000	17,600,000	8,000,000	250,000	250,000
440	Taylor Creek Reservoir	15,840,753	23,577,080	36,428,987	37,021,098	1,695,000
441	Lakeside Ranch STA	2,242,457	16,057,406	26,253,256	6,819,463	780,000
654	S-133 Rerouting	1,070,193	12,344,840	14,634,383	222,310	420,000
655	S-154 Rerouting	1,038,495	793,172	30,000	31,200	32,448
439	Lake Okeechobee Fast Track Projects Reserves	21,824,544	23,046,029	-	-	-
652	Herbert Hoover Dike Rehabilitation	-	25,000,000	-	-	-
TOTAL		\$ 54,291,843	\$ 118,418,527	\$ 85,346,626	\$ 44,344,071	\$ 3,177,448

Kissimmee Watershed Program

REVENUES	FY2007	FY2008	FY2009	FY2010	FY2011
Florida Forever	\$ 3,044,000	\$ 1,000,000	\$ 6,313,574	\$ -	\$ -
Ad Valorem Sources	13,700,426	500,000	-	-	-
TOTAL	\$ 16,744,426	\$ 1,500,000	\$ 6,313,574	\$ -	\$ -

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
292	Kissimmee River Restoration	\$ 16,744,426	\$ 1,500,000	\$ 6,313,574	\$ -	\$ -
TOTAL		\$ 16,744,426	\$ 1,500,000	\$ 6,313,574	\$ -	\$ -

Table 4-2. Continued.

Comprehensive Everglades Restoration Plan (CERP)						
REVENUES		FY2007	FY2008	FY2009	FY2010	FY2011
Save Our Everglades Trust Fund		\$46,051,125	\$100,000,000	\$100,000,000	\$100,000,000	
Ad Valorem Sources		161,524,885	148,600,000	150,100,000	143,600,000	134,100,000
Ad Valorem - Big Cypress Basin		4,460,141	2,000,000	2,000,000	2,000,000	2,000,000
Debt Proceeds - CERP Financed		335,572,905	485,674,834	429,373,427	213,343,018	22,141,217
Florida Bay Fund		2,587,038	-	-	-	-
Florida Communities Trust		8,673,338	-	-	-	-
Florida Department of Transportation		950,000	-	-	-	-
Florida Fish & Wildlife Conservation Commission		1,000,000	-	-	-	-
Federal - NRCS		5,914,250	-	-	-	-
Lake Belt Mitigation		3,785,257	-	-	-	-
Water Management Lands Trust Fund		50,000	-	-	-	-
Prior Year Carry forward		6,027,575	-	3,396,350	6,876,572	18,515,647
Designated for Future Years' Expenditures		-	(3,396,350)	(6,876,572)	(18,515,647)	(19,837,792)
TOTAL		\$ 576,596,514	\$ 732,878,484	\$ 677,993,205	\$ 447,303,943	\$ 156,919,072

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
Critical Restoration Projects (CRPs):						
66	Ten Mile Creek WPA CRP	\$ 4,607,113	\$ -	\$ -	\$ -	\$ -
68	Southern Crew / Imperial River Flowway CRP	424,906	-	-	-	-
69	Lake Trafford Restoration CRP	5,301,616	-	-	-	-
70	Lake Okeechobee Water Retention/Phosphorus Removal CRP	1,713,840	-	-	-	-
Comprehensive Everglades Restoration Plan (CERP):						
72	Lake Okeechobee Watershed	2,395,082	-	47,000,000	50,000,000	-
73	C-43 Basin Storage Reservoir - Part 1*	35,700,012	86,279,976	89,486,797	88,703,575	22,475,038
228	C-44 Reservoir and STA*	48,695,096	112,405,118	121,336,491	30,704,433	4,706,071
459	EAA Bolles and Cross Canals*	9,921,539	10,284,240	11,628,318	2,931,960	470,951
460	WCA 3A 3B Seepage Management*	11,094,424	13,969,176	16,062,474	1,473,372	296,878
461	C-11 Impoundment*	17,520,790	-	-	-	-
462	C-9 Impoundment*	15,635,129	-	-	-	-
74	Indian River Lagoon - South	2,265,959	8,000,000	17,000,000	20,000,000	-
463	Everglades Agricultural Area Storage Reservoirs*	125,396,292	172,833,853	114,786,899	59,956,494	7,183,277
76	WCA 3 Decom & Sheetflow Enhancement - Part 1	248,633	-	-	-	-
78	North Palm Beach County - Part 1	48,682,397	52,000,000	-	-	-
81	Biscayne Bay Coastal Wetlands*	27,610,883	35,141,654	34,311,219	20,400,112	336,208
82	C-111 Spreader Canal*	15,296,201	34,475,183	36,954,747	35,638,234	1,266,785
83	Picayune Strand - SGGE Restoration*	34,407,610	74,071,360	55,955,257	14,156,463	2,554,810
93	Site 1 Impoundment*	7,882,165	12,314,708	13,116,492	3,328,112	509,063
94	Bird Drive Recharge Area	345,000	-	-	-	-
95	ASR Regional Study	2,766,402	-	-	-	-
96	Broward County WPA	3,055,972	-	-	-	-
433	C-111 Project Implementation	8,322,295	-	-	-	-
99	Acceler8 & CERP Program Management and Support	27,961,769	15,107,891	14,359,186	14,015,863	11,124,666
100	Monitoring and Evaluation (RECOVER)	8,474,106	4,000,000	4,000,000	4,000,000	4,000,000
369	CERP Indirect and Program Reserves	19,205,271	6,900,000	6,900,000	6,900,000	6,900,000
101	Reconnaissance, Feasibility, and Planning Studies	2,841,012	-	-	-	-
Repayment of S/T Loan & Interest		49,975,000	-	-	-	-
COPS Issuance Costs		4,900,000	-	-	-	-
Debt Service		33,950,000	95,095,325	95,095,325	95,095,325	95,095,325
TOTAL		\$ 576,596,514	\$ 732,878,484	\$ 677,993,205	\$ 447,303,943	\$ 156,919,072

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS

2.3 SURFACE WATER PROJECTS

District Everglades Program (EFA)

REVENUES	FY2007	FY2008	FY2009	FY2010	FY2011
Prior Year Balance Designated	\$ 202,096	\$ -	\$ -	\$ -	\$ -
Okeechobee Basin Ad Valorem (0.100 mill)	73,726,969	81,615,755	89,614,099	97,589,753	105,396,934
Agriculture Privilege Tax	11,658,125	11,200,000	11,200,000	11,200,000	11,200,000
Alligator Alley Toll Revenue	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Intergovernmental - State Sources	244,407	-	-	-	-
Intergovernmental - Federal Sources	-	-	-	-	-
Investment Income	343,961	500,000	500,000	500,000	550,000
Tag Proceeds	249,789	235,000	235,000	235,000	235,000
Debt Proceeds	61,718,438	85,417,841	95,249,350	59,681,650	12,021,871
Fund Balance/Transfers ¹	24,936,938	-	-	-	-
TOTAL	\$ 174,080,723	\$179,968,596	\$197,798,449	\$170,206,403	\$130,403,805

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
102	STA-1 Fast Works & Enhancements	\$ 6,141,891	\$ 2,439,398	\$ 2,536,974	\$ 2,638,453	\$ 2,743,991
111	STA-1 West Works & Enhancements	7,939,639	2,850,544	2,964,566	3,083,149	3,206,475
112	STA-2 Works & Enhancements	2,645,767	3,356,268	7,080,985	3,826,607	4,076,841
113	STA 3/4 Works & Enhancements	6,159,975	3,567,315	3,710,008	3,858,408	4,012,745
114	STA-5 Works & Enhancements	2,540,379	1,369,825	1,424,618	1,481,602	1,540,866
667	STA-6 Works & Enhancements	1,781,957	1,454,544	1,512,726	1,573,235	1,636,164
464	EAA STA Compartment B*	11,634,551	10,284,332	17,614,560	15,182,856	4,075,731
465	EAA STA Compartment C *	20,508,500	15,025,111	34,879,753	34,083,033	9,104,561
91	Advanced Work - ACME Basin*	19,017,864	10,957,975	471,549	471,549	471,549
461	C-9 Impoundment Project*	-	18,607,991	18,557,784	4,678,215	-
462	C-11 Impoundment Project*	-	29,690,510	29,566,991	7,426,280	-
	LTP Monitoring, Research and Evaluation	6,701,843	6,969,917	7,248,713	7,538,662	7,840,208
	EFA Program Management and Support	3,938,929	4,096,486	4,260,346	4,430,759	4,607,990
	Agriculture Privilege Tax Fees/Revenue Costs	1,437,923	1,495,440	1,555,258	1,617,468	1,682,167
	Debt Service	6,300,000	15,251,399	23,487,928	23,487,928	23,487,928
	Short Term Loan Repayment	35,325,000	-	-	-	-
	EFA Managerial Reserves	20,037,324	4,080,788	4,480,705	4,879,488	5,269,847
	Other EFA Expenditures including Monitoring, Research and Evaluation	17,603,485	18,349,224	19,083,193	19,846,521	20,640,382
	Future EFA Project Components	4,365,696	30,121,529	17,361,793	30,102,190	36,006,361
	TOTAL	\$ 174,080,723	\$ 179,968,596	\$ 197,798,449	\$ 170,206,403	\$ 130,403,805

¹ Not included in the EFA 5-year revenue projection (SFER: Volume 1 - Chapter 13).

Table 4-2. Continued.

2.5 FACILITIES CONSTRUCTION AND OTHER MAJOR PROJECTS

Mission Support Program

REVENUES	FY2007	FY2008	FY2009	FY2010	FY2011
Ad Valorem Sources	\$ 1,906,300	\$ 7,305,500	\$ 637,500	\$ 270,500	\$ 367,000
TOTAL	\$ 1,906,300	\$ 7,305,500	\$ 637,500	\$ 270,500	\$ 367,000

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
323	General Building & Improvements	\$ 1,906,300	\$ 7,305,500	\$ 637,500	\$ 270,500	\$ 367,000
	TOTAL	\$ 1,906,300	\$ 7,305,500	\$ 637,500	\$ 270,500	\$ 367,000

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS

3.1 LAND MANAGEMENT

Land Stewardship Program

REVENUES	FY2007	FY2008	FY2009	FY2010	FY2011
Wetland Mitigation	\$ 4,780,910	\$ 2,000,000	\$ 500,000	\$ 500,000	\$ 500,000
Florida Forever	96,000	-	-	-	-
Federal Land Acquisition	3,464,000	-	-	-	-
External Grant	845,000	830,000	180,000	180,000	180,000
Lake Belt Mitigation	3,785,257	8,000,000	8,500,000	10,000,000	10,500,000
Water Management Lands Trust Fund	1,937,572	3,805,000	5,425,000	2,450,000	1,650,000
TOTAL	\$ 14,908,739	\$ 14,635,000	\$ 14,605,000	\$ 13,130,000	\$ 12,830,000

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
577	Recreation Projects Land	\$ 1,550,000	\$ 3,205,000	\$ 2,225,000	\$ 1,700,000	\$ 900,000
233	Henscratch Ranch	3,560,000	-	-	-	-
668	Dupuis L-8 Discharge Culverts Repairs	130,000	-	-	-	-
669	Dupuis Administrative Offices	-	-	2,000,000	-	-
670	Nubbin Slough Dairy Barn Removal & Lagoon Restoration	-	600,000	-	-	-
649	Pal Mar East Restoration	-	-	500,000	50,000	50,000
250	Lake Belt Land/Lake Belt Associated Costs/Restoration	4,793,317	8,000,000	8,500,000	10,000,000	10,500,000
257	Shingle Creek Phase II & III Land/Associated Costs	2,904,350	500,000	500,000	500,000	500,000
248	CREW Land/Associated Costs/Facility Construction	1,126,072	1,500,000	700,000	700,000	700,000
252	Packingham & Buttermilk Slough Restoration	500,000	750,000	100,000	100,000	100,000
444	Otter Slough Restoration	110,000	40,000	40,000	40,000	40,000
673	Rough Island	105,000	20,000	20,000	20,000	20,000
445	Gardner-Cobb Marsh Restoration	130,000	20,000	20,000	20,000	20,000
	TOTAL	\$ 14,908,739	\$ 14,635,000	\$ 14,605,000	\$ 13,130,000	\$ 12,830,000

Table 4-2. Continued.

3.2 WORKS						
Operations & Maintenance Program						
REVENUES		FY2007	FY2008	FY2009	FY2010	FY2011
FEMA Revenues		\$ 7,670,000	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -
Ad Valorem Sources		61,061,055	70,954,089	85,741,000	89,541,600	97,796,864
TOTAL		\$ 68,731,055	\$ 73,454,089	\$ 88,241,000	\$ 89,541,600	\$ 97,796,864

Project #	EXPENDITURES	FY2007	FY2008	FY2009	FY2010	FY2011
447	C-4 Flood Mitigation Projects	7,670,000	2,500,000	2,500,000	-	-
672	Faka Union Canal Weir #6 & #7 Retrofit	-	-	-	-	2,000,000
449	Barron River Canal Structures Retrofit	-	-	2,000,000	-	2,000,000
430	BCB Facilities Relocation	2,800,000	1,000,000	-	2,000,000	-
450	Golden Gate Canal ASR Phase1 & 2	-	-	-	2,000,000	2,000,000
429	Golden Gate Weir #3 Relocation	500,000	4,000,000	-	-	-
267	Golden Gate Canal Weir#2	4,000,000	-	-	-	-
431	Golden Gate Canal Weir#6 and #7 Retrofit	250,000	1,000,000	-	-	-
260	Henderson Creek Diversion	-	-	2,000,000	-	-
451	Henderson Creek Spreader Channel	-	-	-	2,000,000	-
671	Miller Canal Weir#3 Retrofit	-	-	2,000,000	-	-
570	Communication, Towers and Telemetry	3,963,451	6,700,000	19,206,000	2,000,000	6,150,000
559	Kissimmee Field Station Tower	1,000,000	-	-	-	-
513	Racu Replacement	1,000,000	1,000,000	1,000,000	-	-
518	Pump Station Reroofing, Hardening, rewiring, bearings, pavings, repowering and other refurbis	4,696,438	15,924,000	16,545,000	9,200,000	1,680,000
569	Pump Station Replacement, Office Additions, Control Shelters	-	-	-	2,450,000	-
526	Pump Station Automations/Gate Replacement	-	50,000	4,590,000	750,000	-
659	Pump Station Trash Rakes	-	-	-	11,460,000	-
541	S-331 Command & Control Center	764,091	1,035,909	-	-	-
407	Project Culverts	-	950,000	-	-	500,000
657	Structure Automation	3,439,127	4,157,000	620,000	500,000	512,000
120	Engineering/Construction Support Services	3,950,000	9,200,000	11,000,000	11,000,000	11,000,000
666	Dam Safety Program	-	1,000,000	1,040,000	1,081,600	1,124,864
532	Bridge Inspection Program/Bridge Bank Replacements	-	860,000	1,100,000	1,000,000	1,200,000
515	Structural Repairs	6,056,984	15,257,180	3,140,000	3,400,000	3,700,000
566	Navigational Lock Refurbishment	-	-	1,000,000	1,000,000	1,000,000
324	Field Station Facilities	-	6,150,000	3,500,000	15,000,000	17,000,000
454	Bank Stabilization and Dredging	12,630,481	2,670,000	17,000,000	24,700,000	47,930,000
	Future Capital Project Reserves	16,010,483	-	-	-	-
TOTAL		\$ 68,731,055	\$ 73,454,089	\$ 88,241,000	\$ 89,541,600	\$ 97,796,864

TOTAL CAPITAL EXPENDITURES	\$ 907,259,600	\$ 1,128,160,196	\$ 1,070,935,354	\$ 764,796,517	\$ 401,494,189
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* Acceler8 project components