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 2008 through 2012. The CIP is presented in the fixed capital outlay format set forth in Section 216.043, Florida Statues (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 web site (www.sfwmd.gov) under the *About SFWMD, Budget & Strategic Plan* section. The SFWMD's Five-Year Capital Improvements Plan for FY2008–FY2012 is presented in **Table 4-2**.

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

SFWMD Program	State Program	State Activity
Coastal Watersheds	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
Kissimmee Watershed	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 FY2008—FY2012.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS

2.3 SURFACE WATER PROJECTS

Coastal Watersheds

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
Save Our Everglades Trust Fund	$32,600,000	$60,350,000	$56,250,000	$0	$0
Ad Valorem Sources	2,400,000	0	0	2,424,000	2,496,720
TOTAL	**$35,000,000**	**$60,350,000**	**$56,250,000**	**$2,424,000**	**$2,496,720**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
674	Caloosahatchee River Basin Water Quality Treatment & Testing Area (C-43 Water Quality Project)[1]	$35,000,000	$60,350,000	$56,250,000	$2,424,000	$2,496,720
	TOTAL	**$35,000,000**	**$60,350,000**	**$56,250,000**	**$2,424,000**	**$2,496,720**

[1] In FY2008 their will be a $10,000,000 amendment from Lee County to fund additional Land Acquisition for the C-43 Water Quality Project. This will increase the total expenditure and revenue in FY2008 to $45,000,000.

Lake Okeechobee Program

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
Ad-Valorem	$10,000,000	$0	$0	$0	$0
Florida Forever	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
Water Management Lands Trust Fund	2,092,500	0	0	0	0
Save Our Everglades Trust Fund	43,100,000	51,429,065	70,219,818	157,633,734	137,397,179
Lake Okeechobee Trust Fund	39,672,886	0	0	0	0
TOTAL	**$99,865,386**	**$56,429,065**	**$75,219,818**	**$162,633,734**	**$142,397,179**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
675	Lake Okeechobee Dredging	$11,967,500	$0	$0	$0	$0
440	Taylor Creek Reservoir	11,548,821	2,078,945	14,436,450	70,058,494	71,899,559
441	Lakeside Ranch STA	5,705,000	3,465,909	53,273,368	49,955,240	24,977,620
676	Brady Ranch STA	34,540,000	5,040,000	2,510,000	37,620,000	40,520,000
652	Herbert Hoover Dike Rehabilitation[2]	5,125,000	5,000,000	5,000,000	5,000,000	5,000,000
	Lake Okeechobee Fast Track Projects Reserves	30,979,065	40,844,211	0	0	0
	TOTAL	**$99,865,386**	**$56,429,065**	**$75,219,818**	**$162,633,734**	**$142,397,179**

[2] USACE has not provided the SFWMD a definitive Land Acquisition plan to date on this project.

Table 4-2. Continued.

Kissimmee Watershed Program

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
Florida Forever	$10,810,000	$0	$0	$0	$0
Ad Valorem Sources	1,286,737	302,418	311,491	320,836	330,461
TOTAL	**$12,096,737**	**$302,418**	**$311,491**	**$320,836**	**$330,461**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
292	Kissimmee River Restoration Mitigation	$12,096,737	$302,418	$311,491	$320,836	$330,461
	TOTAL	**$12,096,737**	**$302,418**	**$311,491**	**$320,836**	**$330,461**

Comprehensive Everglades Restoration Plan (CERP)

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
Save Our Everglades Trust Fund	$69,841,722	$100,000,000	$100,000,000	$100,000,000	$100,000,000
Ad Valorem Sources	111,100,000	111,100,000	111,100,000	120,500,000	120,534,711
Ad Valorem - Big Cypress Basin	643,511	0	0	0	0
Debt Proceeds - CERP Construction	270,765,397	336,108,000	331,750,000	230,300,000	141,880,000
Florida Bay Fund	838,656	0	0	0	0
Martin County	2,208,128	0	0	0	0
Florida Forever Trust Fund	11,100,000	0	0	0	0
Palm Beach County	250,000	0	0	0	0
Federal - NRCS	1,132,500	0	0	0	0
Fund Balance	28,343,300	59,918,922	58,670,020	52,749,312	26,857,300
Designated for Future Years' Expenditures	0	(58,670,020)	(52,749,312)	(26,857,300)	0
TOTAL	**$496,223,214**	**$548,456,902**	**$548,770,708**	**$476,692,012**	**$389,272,011**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
	Critical Restoration Projects (CRPs):					
68	Southern Crew / Imperial River Flowway CRP	$3,850,336	$0	$0	$0	$0
	Comprehensive Everglades Restoration Plan (CERP):					
72	Lake Okeechobee Watershed	784,012	7,400,000	43,600,000	46,600,000	96,600,000
73	C-43 Basin Storage Reservoir - Part 1*	2,895,562	300,000	100,500,000	130,800,000	125,500,000
228	C-44 Reservoir and STA*	1,733,858	108,900,000	100,500,000	100,500,000	17,380,000
460	WCA 3A 3B Seepage Management*	57,395	8,060,000	8,060,000	60,000	60,000
74	Indian River Lagoon - South	3,642,938	36,850,000	17,650,000	20,650,000	350,000
463	Everglades Agricultural Area Storage Reservoirs*	276,215,314	258,208,000	139,435,000	12,080,000	12,080,000
78	North Palm Beach County - Part 1	46,052,742	17,650,000	4,650,000	4,650,000	4,350,000
81	Biscayne Bay Coastal Wetlands*	23,062,405	45,184,000	28,773,000	21,127,500	777,500
82	C-111 Spreader Canal*	1,409,702	10,035,000	20,970,000	31,494,000	22,494,000
83	Picayune Strand - SGGE Restoration*	4,972,801	250,000	250,000	250,000	250,000
433	C-111 Project Implementation	7,338,656	0	0	0	0
99	Acceler8 & CERP Program Management and Support	29,550,455	6,040,000	5,840,000	5,840,001	6,790,000
100	Monitoring and Evaluation (RECOVER)	4,807,755	4,000,000	4,000,000	4,000,000	4,000,000
369	CERP Indirect and Program Reserves	57,305,385	5,500,000	5,500,000	5,500,000	5,500,000
101	Reconnaissance, Feasibility, and Planning Studies	1,399,784	0	0	0	0
	Debt Service	31,144,114	40,079,902	69,042,708	93,140,511	93,140,511
	TOTAL	**$496,223,214**	**$548,456,902**	**$548,770,708**	**$476,692,012**	**$389,272,011**

Table 4-2. Continued.

District Everglades Program (EFA)

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
ECP Ad Valorem (0.0894 mill for FY2008)	$73,224,994	$73,839,369	$76,719,104	$79,028,349	$82,355,443
Agriculture Privilege Tax	11,600,000	11,600,000	11,600,000	11,600,000	11,600,000
Alligator Alley Toll Revenue	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Investment Income	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000
Tag Proceeds	240,035	235,000	235,000	235,000	235,000
Debt Proceeds	0	192,860,832	254,393,877	67,736,478	4,115,643
Fund Balance/Transfers	23,910,702	14,011,000	0	0	0
TOTAL	**$111,275,731**	**$294,846,201**	**$345,247,981**	**$160,899,827**	**$100,606,086**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
464	LTP EAA STA Compartment B Design Construction & Buildouts*	$11,833,720	$117,252,200	$142,245,057	$41,657,567	$3,095,500
465	LTP EAA STA Compartment C Design Construction & Buildouts*	11,428,720	87,989,487	113,108,820	26,678,911	6,811,143
91	Advanced Work On LTP ACME Basin*	3,970,760	12,400,000	7,400,000	300,000	2,895,500
102, 111, 112, 113, 114, 667	Long-Term Plan Projects (not including LTP Acceler8)	55,579,681	37,399,337	42,629,850	52,338,246	47,816,165
	Debt Service on LTP Acceler8 Projects	4,315,868	37,835,948	37,835,948	37,835,948	37,835,948
	Agriculture Privilege Tax Fees/Revenue Costs	1,911,873	1,969,229	2,028,306	2,089,155	2,151,830
	EFA Managerial Reserves	22,235,109	0	0	0	0
	TOTAL	**$111,275,731**	**$294,846,201**	**$345,247,981**	**$160,899,827**	**$100,606,086**

2.5 FACILITIES CONSTRUCTION AND OTHER MAJOR PROJECTS

Mission Support Program

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
Ad Valorem Sources	$1,354,000	$794,000	$410,000	$433,000	$305,000
TOTAL	**$1,354,000**	**$794,000**	**$410,000**	**$433,000**	**$305,000**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
323	General Building & Improvements	$1,354,000	$794,000	$410,000	$433,000	$305,000
	TOTAL	**$1,354,000**	**$794,000**	**$410,000**	**$433,000**	**$305,000**

Table 4-2. Continued.

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS

3.1 LAND MANAGEMENT

Land Stewardship Program

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
Wetland Mitigation	$235,000	$2,100,000	$104,391	$107,522	$110,748
Florida Forever	840,000	0	0	0	0
External Grant	0	1,000,000	0	0	0
Lake Belt Mitigation	0	8,500,000	10,000,000	10,500,000	10,500,000
Water Management Lands Trust Fund	0	975,000	2,226,500	1,081,045	235,726
TOTAL	**$1,075,000**	**$12,575,000**	**$12,330,891**	**$11,688,567**	**$10,846,474**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
577	Recreation Projects Land	$1,075,000	$975,000	$2,126,500	$978,045	$129,636
677	Cypress Creek Restoration	0	500,000	50,000	51,500	53,045
649	Pal Mar East Restoration	0	500,000	50,000	51,500	53,045
250	Lake Belt Land/Lake Belt Associated Costs/Restoration	0	8,500,000	10,000,000	10,500,000	10,500,000
257	Shingle Creek Phase II & III Land/Associated Costs	0	2,100,000	104,391	107,522	110,748
	TOTAL	**$1,075,000**	**$12,575,000**	**$12,330,891**	**$11,688,567**	**$10,846,474**

Table 4-2. Continued.

3.2 WORKS

Operations & Maintenance Program

REVENUES	FY2008	FY2009	FY2010	FY2011	FY2012
FEMA Revenues	$256,542	$0	$0	$0	$0
External Grant (FIND)	2,162,250	0	0	0	0
Ad Valorem Sources	60,167,572	61,471,500	70,835,175	74,261,886	77,142,443
TOTAL	**$62,586,364**	**$61,471,500**	**$70,835,175**	**$74,261,886**	**$77,142,443**

Project #	EXPENDITURES	FY2008	FY2009	FY2010	FY2011	FY2012
449	Barron River Canal Structures Retrofit	$0	$0	$1,000,000	$1,000,000	$50,000
430	BCB Facilities Relocation	4,300,000	3,000,000	2,000,000	232,500	239,475
450	Golden Gate Canal ASR	0	0	0	1,000,000	2,500,000
678	Lake Trafford Off Road Vehicle Park Construction	610,000	500,000	1,000,000	52,750	54,333
679	Golden Gate Weir #1 Emergency Repair	1,000,000	0	0	0	0
680	North Belle Meade Rehydration	0	0	0	2,000,000	50,000
429	Golden Gate Weir #3 Relocation	500,000	2,000,000	62,500	64,375	66,306
431	Golden Gate Canal Weir#6 and #7 Retrofit	500,000	12,500	12,875	13,261	13,659
260	Henderson Creek Diversion	500,000	500,000	2,000,000	2,000,000	125,000
451	Henderson Creek Spreader Channel	0	0	0	0	3,500,000
681	Miami River Dredging	5,412,250	0	0	0	0
447	C-4 Flood Mitigation Projects	5,000,000	7,000,000	300,000	309,000	318,270
570	Communication, Towers and Telemetry	4,245,543	9,080,000	10,910,000	3,850,000	10,600,000
513	Racu Replacement	750,000	1,000,000	1,000,000	0	0
518	Pump Station Reroofing, Hardening, rewiring, bearings, pavings, repowering and other refurbs	3,288,841	11,434,000	25,960,000	12,630,000	10,226,000
569	Pump Station Replacement, Office Additions, Control Shelters	0	0	2,450,000	0	750,000
526	Pump Station Automations/Gate Replacement	0	2,750,000	0	0	0
659	Pump Station Trash Rakes	2,959,292	7,880,000	4,500,000	2,000,000	0
407	Project Culverts	0	0	1,130,000	0	2,176,000
657	Structure Automation	5,556,208	0	1,100,000	1,920,000	1,350,000
120	Engineering/Construction Support Services	6,328,000	5,000,000	9,264,000	8,666,482	3,293,775
666	Dam Safety Program	500,000	0	0	0	0
532	Bridge Inspection Program/Bridge Bank Replacements	2,500,000	2,500,000	0	0	0
515	Structural Repairs	2,490,912	3,655,000	5,290,000	26,150,000	2,594,000
566	Navigational Lock Refurbishment	0	3,100,000	1,000,000	1,800,000	5,000,000
324	Field Station Facilities	6,939,000	100,000	70,000	1,500,000	2,000,000
454	Bank Stabilization and Dredging	3,695,000	1,960,000	1,785,800	9,073,518	32,235,625
	Future Capital Project Reserves	5,511,318	0	0	0	0
	TOTAL	**$62,586,364**	**$61,471,500**	**$70,835,175**	**$74,261,886**	**$77,142,443**

TOTAL CAPITAL EXPENDITURES	**$819,476,432**	**$1,035,225,087**	**$1,109,376,064**	**$889,353,862**	**$723,396,373**

*Acceler8 project components