

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 2009 through 2013 (FY2009–FY2013) (October 1, 2008–September 30, 2013). 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 or District).

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, which is available at www.sfwmd.gov/sfer, under the *Database* tab. 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 include 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 is provided in the SFWMD Strategic Plan on the District's web site (www.sfwmd.gov), under the *About SFWMD, Budget & Strategic Plan* section. The SFWMD's Five-Year Capital Improvements Plan for FY2009–FY2013 is presented in **Table 4-2**.

Table 4-1. Budgeted South Florida Water Management District (SFWMD or District) 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
Everglades Restoration	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
Modeling & Scientific Support	2.0 Acquisition, Restoration and Public Works	2.5 Facilities Construction and Other Major Projects
Land Stewardship	3.0 Operation and Maintenance of Lands and Works	3.1 Land Management
Operations & Maintenance	3.0 Operation and Maintenance of Lands and Works	3.2 Works

Table 4-2. SFWMD Five-Year Capital Improvements Plan for Fiscal Years 2009–2013 (October 1, 2008–September 30, 2013).

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS						
2.3 SURFACE WATER PROJECTS						
Coastal Watersheds						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Save Our Everglades Trust Fund		\$3,429,510	\$0	\$0	\$73,000,000	\$7,000,000
Ad Valorem Sources		4,747,834	0	0	0	0
TOTAL		\$8,177,344	\$0	\$0	\$73,000,000	\$7,000,000
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1539	Caloosahatchee River Basin Water Quality Treatment & Testing Area (C-43 Water Quality Project)	\$8,177,344	\$0	\$0	\$73,000,000	\$7,000,000
	TOTAL	\$8,177,344	\$0	\$0	\$73,000,000	\$7,000,000
Lake Okeechobee Program						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Ad-Valorem		\$11,375,000	\$1,000,000	\$1,856,592	\$1,882,290	\$1,908,759
Florida Forever		3,833,100	0	12,950,000	28,858,400	31,500,000
Water Management Lands Trust Fund		75,000	0	0	0	0
Save Our Everglades Trust Fund		43,100,674	0	0	63,000,000	7,000,000
Lake Okeechobee Trust Fund		12,427,281	0	0	0	0
TOTAL		\$70,811,055	\$1,000,000	\$14,806,592	\$93,740,690	\$40,408,759
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1540	Dredging	\$5,521,796	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
1465	Lakeside Ranch STA Phases I & II	57,106,159	0	856,592	63,882,290	7,908,759
1543	Brady Ranch STA	2,200,000	0	0	0	0
1566	Herbert Hoover Dike Rehabilitation	3,983,100	0	6,000,000	6,000,000	6,000,000
1591	Northern Everglades Land Acquisition	0	0	6,950,000	22,858,400	25,500,000
1592	Lemkin Creek	2,000,000	0	0	0	0
	TOTAL	\$70,811,055	\$1,000,000	\$14,806,592	\$93,740,690	\$40,408,759

Table 4-2. Continued.

Kissimmee Watershed Program						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Florida Forever		\$659,900	\$678,400	\$14,288,400	\$0	\$0
TOTAL		\$659,900	\$678,400	\$14,288,400	\$0	\$0
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1453	Kissimmee River Restoration Mitigation	\$659,900	\$678,400	\$14,288,400	\$0	\$0
	TOTAL	\$659,900	\$678,400	\$14,288,400	\$0	\$0
Everglades Restoration						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Save Our Everglades Trust Fund		58,000,000	180,000,000	180,000,000	39,000,000	171,000,000
Ad Valorem Sources - CERP		165,972,959	96,024,512	96,049,682	100,575,606	100,755,028
Ad Valorem - Big Cypress Basin		3,000,000	0	0	0	0
Ad Valorem - ECP		60,200,743	55,102,490	40,177,690	60,251,643	60,838,797
Debt Proceeds - CERP Construction		1,728,844,000	0	0	0	0
State Appropriations		700,000	0	0	0	0
Water Management Lands Trust Fund		50,000	51,750	53,561	55,436	57,376
Florida Forever Trust Fund		13,413,741	30,821,600	4,261,600	2,641,600	0
Prior Year Balance Designated- EFA		0	60,077,058	162,166,389	16,919,001	0
Debt Proceeds - EFA		73,903,556	170,796,444	0	0	0
TOTAL		\$2,104,084,999	\$592,873,854	\$482,708,922	\$219,443,286	\$332,651,201
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1523	Southern Crew / Imperial River Flowway CRP	\$4,591,980	\$3,544	\$3,650	\$3,760	\$3,873
1511	Lake Trafford Restoration CRP	3,000,000	0	0	0	0
1477	C-43 Basin Storage Reservoir - Part 1	148,250	0	0	0	171,000,000
1433	C-44 Reservoir and STA	0	115,000,000	180,000,000	43,500,000	4,635,000
1558	Indian River Lagoon - So. - C-23/C-24 Land Acquisition	290,201	91,435,440	36,503	37,598	56,446
1481	Everglades Agricultural Area Storage Reservoirs	28,894,000	51,750	53,561	55,436	57,376
1446	North Palm Beach County - Part 1	5,176,000	4,421,600	4,261,600	2,641,600	0
1516	Biscayne Bay Coastal Wetlands	7,350,631	0	0	0	0
1466	Advanced Work on C-111 Spreader Canal	75,344,110	800,000	824,000	848,720	874,182
1587	River of Grass Land Acquisition	1,750,000,000	0	0	0	0
1512	LTP EAA STA Compartment B Design Construction & Buildouts	35,428,119	119,720,219	75,827,319	11,694,380	3,693,845
1513	LTP EAA STA Compartment C Design Construction & Buildouts	47,013,490	111,153,283	86,339,070	12,610,629	3,913,744
1515	Advanced Work On LTP ACME Basin	9,709,800	10,000,000	0	0	0
1593	Rotenberger Pump Station Design & Construction	100,000	2,000,000	31,500	32,445	33,418
1594	Hydropattern Restoration Design & Construction	0	1,234,600	1,243,300	13,930,300	14,294,900
	Other Long-Term Plan Projects	2,950,000	2,965,000	0	0	0
	Debt Service - COPs #1	15,770,708	15,770,708	15,770,708	15,770,708	15,770,708
	Debt Service - COPs #2	79,414,820	79,414,820	79,414,820	79,414,820	79,414,820
	Debt Service on LTP Projects	38,902,890	38,902,890	38,902,890	38,902,890	38,902,890
	TOTAL	\$2,104,084,999	\$592,873,854	\$482,708,922	\$219,443,286	\$332,651,201

Table 4-2. Continued.

2.5 FACILITIES CONSTRUCTION AND OTHER MAJOR PROJECTS						
Mission Support Program						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Ad Valorem Sources		\$318,000	\$1,225,000	\$245,000	\$115,000	\$100,000
TOTAL		\$318,000	\$1,225,000	\$245,000	\$115,000	\$100,000
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1498	General Building & Improvements	\$318,000	\$1,225,000	\$245,000	\$115,000	\$100,000
	TOTAL	\$318,000	\$1,225,000	\$245,000	\$115,000	\$100,000
Modeling & Scientific Support						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Ad Valorem Sources		\$1,600,000	\$8,000,000	\$2,500,000	\$0	\$0
TOTAL		\$1,600,000	\$8,000,000	\$2,500,000	\$0	\$0
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1595	Chem Lab Facility	\$1,600,000	\$8,000,000	\$2,500,000	\$0	\$0
	TOTAL	\$1,600,000	\$8,000,000	\$2,500,000	\$0	\$0
3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS						
3.1 LAND MANAGEMENT						
Land Stewardship Program						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
Wetland Mitigation		\$3,514,000	\$0	\$0	\$0	\$0
Florida Forever		840,000	0	0	0	0
Lake Belt Mitigation		0	10,000,000	10,000,000	10,000,000	10,000,000
Water Management Lands Trust Fund		219,448	1,978,602	2,438,444	790,895	275,281
TOTAL		\$4,573,448	\$11,978,602	\$12,438,444	\$10,790,895	\$10,275,281
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1560	Recreation Projects Land	\$1,173,448	\$1,727,602	\$1,785,914	\$636,789	\$119,552
1559	Cypress Creek Restoration	0	200,000	600,000	100,000	100,000
1596	Orange County Land Acquisition	1,400,000	21,000	21,630	22,279	22,947
1502	Lake Belt Land/Lake Belt Associated Costs/Restoration	0	10,000,000	10,000,000	10,000,000	10,000,000
1448	Shingle Creek Phase II & III Land/Associated Costs	2,000,000	30,000	30,900	31,827	32,782
	TOTAL	\$4,573,448	\$11,978,602	\$12,438,444	\$10,790,895	\$10,275,281

Table 4-2. Continued.

3.2 WORKS						
Operations & Maintenance Program						
REVENUES		FY2009	FY2010	FY2011	FY2012	FY2013
FEMA Revenues		\$256,542	\$420,000	\$2,100,000	\$2,100,000	\$0
Ad Valorem - Big Cypress Basin		11,000,000	6,500,000	6,000,000	6,000,000	6,000,000
Ad Valorem Sources		45,600,000	44,799,799	45,510,000	45,223,800	45,208,980
TOTAL		\$56,856,542	\$51,719,799	\$53,610,000	\$53,323,800	\$51,208,980
Project #	EXPENDITURES	FY2009	FY2010	FY2011	FY2012	FY2013
1527	Lake Trafford Off Road Vehicle Park Construction	\$500,000	\$1,000,000	\$500,000	\$0	\$0
1569	Golden Gate Weir #3 Relocation	4,100,000	0	0	0	0
1451	Golden Gate Canal Weir#6 and #7 Retrofit	1,000,000	2,000,000	0	0	0
1449	Henderson Creek Diversion	200,000	1,000,000	2,500,000	0	0
1597	Faka Union Canal Weir #6 & 7 Retrofit	0	0	0	3,000,000	0
1444	Big Cypress Basin Facilities Relocation	5,200,000	2,500,000	1,000,000	0	0
1598	Cypress Canal Weir#4A1 Retrofit	0	0	2,000,000	0	0
1599	Miller Weir #3 Rehabilitation	0	0	0	3,000,000	0
1600	Golden Gate Canal Weir #4 Retrofit	0	0	0	0	4,000,000
1601	Henderson Creek Weir#2 Retrofit	0	0	0	0	2,000,000
1556	Communication & Control Systems	1,125,000	1,500,000	2,510,000	1,560,000	7,844,000
1552	Pump Station Modification/Repair	13,059,160	14,758,400	13,200,000	13,809,200	14,030,000
1440	Project Culvert Replacement/Modification	0	0	0	0	1,132,000
1522	Structure/Bridge/Modification/Repair	18,755,382	14,792,000	21,600,000	28,154,600	19,322,980
1454	O&M Facility Construction/Improvements	4,724,000	0	0	0	80,000
1550	Pump Station Refurbishment	300,000	0	0	0	0
1524	Canal/Levee Maint/Canal Conveyance	7,893,000	14,169,399	10,300,000	3,800,000	2,800,000
TOTAL		\$56,856,542	\$51,719,799	\$53,610,000	\$53,323,800	\$51,208,980
TOTAL CAPITAL EXPENDITURES		\$2,247,081,288	\$667,475,655	\$580,597,358	\$450,413,670	\$441,644,221