

Chapter 4: Five-Year Capital Improvements Plan

Candida Heater

The Five-Year Capital Improvements Plan (CIP) includes projected revenues and expenditures for capital improvements for Fiscal Years 2013 through 2017 (FY2013–FY2017) (October 1, 2012, through September 30, 2017). In accordance with Section 373.536, Florida Statutes (F.S.), the CIP is presented in the fixed capital outlay format set forth in Section 216.043, 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 Major Renovations*

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 in the FY2013–2017 CIP.

The CIP includes expenditures for (1) basic construction costs including design, engineering, permits, inspections, and site development; and (2) other project costs including land acquisition and associated costs, surveys, and facility acquisition.

State capital project category definitions used by all five water management districts in the state of Florida for the preparation of capital improvements plans appear below. A description of the projects listed in the South Florida Water Management District's (SFWMD or District) CIP is included in the South Florida Environmental Report Consolidated Project Report Database, which is available at www.sfwmd.gov/sfer. All SFWMD capital projects fall within state of Florida programs 2.0 and 3.0, as summarized below.

2.0 Acquisition, Restoration and Public Works. This program includes (1) the development and construction of all capital projects (except for those contained in the 3.0 Operation and Maintenance of Lands and Works program), including water resource development projects/water supply development assistance, water control projects, and support and administrative facilities construction, (2) cooperative projects, (3) land acquisition (including Save Our Rivers/Preservation 2000/Florida Forever) and (4) the restoration of lands and water bodies.

2.2 Water Source Development water resource development projects and regional or local water supply development assistance projects designed to increase the availability of water supplies for consumptive use.

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 Major Renovations 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, and water control structures, as well as electronic telemetry/communication and control projects.

Table 4-1 lists the SFWMD coding structure containing capital improvements projects and the corresponding state program and activity. The SFWMD's Five-Year CIP for FY2013–FY2017 is presented in **Table 4-2**. Project numbers are included to provide a cross-reference to the information in the Consolidated Project Report Database.

Table 4-1. Budgeted South Florida Water Management District (SFWMD or District) coding structure and corresponding state programs and activities.

SFWMD Coding Structure	State Program	State Activity
Water Supply	2.0 Acquisition, Restoration and Public Works	2.2 Water Source Development
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 Major Renovations
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 2013–2017
(October 1, 2012–September 30, 2017).

SUMMARY							
Revenues	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
Ad Valorem - District/Okeechobee Basin	\$108,383,455	\$87,411,339	\$118,880,801	\$72,092,668	\$74,201,773	\$73,655,190	\$426,241,771
Big Cypress Basin Ad Valorem	2,138,322	2,138,322	5,930,438	9,637,900	5,350,000	3,050,000	26,106,660
Everglades Construction Project - Ad Valorem, Ag Tax	34,394,956	23,770,557	36,651,079	83,987,042	27,512,020	31,986,012	203,906,710
Ad Valorem - New Construction	-	-	2,901,278	1,910,174	7,187,509	17,649,092	29,648,053
Save Our Everglades Trust Fund	62,391,377	60,509,837	48,881,540	32,000,000	32,000,000	32,000,000	205,391,377
Future State Appropriations	-	-	8,300,000	-	-	-	8,300,000
Debt Proceeds	-	-	32,845,687	14,161,284	-	-	47,006,971
Lake Okeechobee Trust Fund	2,819,681	1,558,895	1,260,786	1,491,544	-	-	4,311,225
Florida Bay Fund	1,500,000	-	1,500,000	-	-	-	1,500,000
CERP Other Creditable	1,751,433	1,751,433	-	-	-	-	1,751,433
Wetland Mitigation	4,262,610	531,433	7,233,158	538,966	-	-	8,303,557
Lake Belt Mitigation	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Total Revenues	\$220,641,834	\$180,671,816	\$267,384,767	\$218,819,578	\$149,251,302	\$161,340,294	\$977,467,756

SUMMARY

Expenditures	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2.0 Acquisition, Restoration and Public Works	\$163,649,156	\$124,714,138	\$197,132,089	\$160,268,354	\$92,451,302	\$108,340,294	\$682,906,176
2.2 Water Source Development	\$4,010,048	\$4,010,048	\$2,368,000	\$ -	\$ -	\$ -	\$6,378,048
Water Supply	4,010,048	4,010,048	2,368,000	-	-	-	6,378,048
2.3 Surface Water Projects	\$158,454,108	\$119,819,090	\$193,276,089	\$160,268,354	\$92,451,302	\$108,340,294	\$674,155,128
Everglades Restoration	143,300,153	114,247,701	159,344,022	151,949,377	87,855,456	108,340,294	621,736,849
Lake Okeechobee	9,589,141	4,584,292	11,276,479	7,780,011	4,595,846	-	28,236,628
Kissimmee Watershed	2,927,610	531,433	3,898,158	538,966	-	-	4,968,557
Coastal Watersheds	2,637,204	455,664	18,757,430	-	-	-	19,213,094
2.5 Facilities Construction and Other Major Projects	\$1,185,000	\$885,000	\$1,488,000	\$ -	\$ -	\$ -	\$2,373,000
Mission Support	1,185,000	885,000	1,488,000	-	-	-	2,373,000
3.0 Operation and Maintenance of Lands and Works	\$56,992,678	\$55,957,678	\$70,252,678	\$58,551,224	\$56,800,000	\$53,000,000	\$249,561,580
3.1 Land Management	\$4,335,000	\$3,000,000	\$6,335,000	\$3,000,000	\$3,000,000	\$3,000,000	\$18,335,000
Land Stewardship	4,335,000	3,000,000	6,335,000	3,000,000	3,000,000	3,000,000	18,335,000
3.2 Works	\$52,657,678	\$52,957,678	\$63,917,678	\$55,551,224	\$53,800,000	\$50,000,000	\$276,226,580
Operations & Maintenance Capital Refurbishment	52,478,617	52,478,617	52,617,678	50,051,224	50,000,000	50,000,000	255,147,519
Operations & Maintenance Capital Other	179,061	479,061	11,300,000	5,500,000	3,800,000	-	21,079,061
Total Expenditures	\$220,641,834	\$180,671,816	\$267,384,767	\$218,819,578	\$149,251,302	\$161,340,294	\$977,467,756

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS								
2.2 WATER SOURCE DEVELOPMENT								
Water Supply								
REVENUES		FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
Ad Valorem - District/Okeechobee Basin		\$2,802,048	\$2,802,048	\$1,160,000	\$ -	\$ -	\$ -	\$3,962,048
BCB Ad Valorem		1,208,000	1,208,000	1,208,000	-	-	-	2,416,000
TOTAL		\$4,010,048	\$4,010,048	\$2,368,000	\$ -	\$ -	\$ -	\$6,378,048
Database Project #	EXPENDITURES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2004	Big Cypress Basin Alternative Water Supply Projects	\$1,208,000	\$1,208,000	\$1,208,000	\$ -	\$ -	\$ -	\$2,416,000
1998	Central Florida Water Initiative and Lower Floridan Aquifer Investigation (Kissimmee)	952,048	952,048	410,000	-	-	-	1,362,048
2007	Alternative Water Supply/Water Conservation	1,600,000	1,600,000	500,000	-	-	-	2,100,000
2046	Water Conservation	250,000	250,000	250,000	-	-	-	500,000
TOTAL		\$4,010,048	\$4,010,048	\$2,368,000	\$ -	\$ -	\$ -	\$6,378,048

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS								
2.3 SURFACE WATER PROJECTS								
Everglades Restoration								
REVENUES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total	
ECP - Ad Valorem, Ag Tax	\$30,782,557	\$20,158,158	\$34,552,758	\$83,637,042	\$26,512,020	\$30,986,012	\$195,845,990	
Ad Valorem - District/Okeechobee Basin	49,121,677	32,193,624	40,400,808	20,240,877	22,155,927	27,705,190	142,696,426	
Ad Valorem - New Construction	-	-	2,901,278	1,910,174	7,187,509	17,649,092	29,648,053	
Big Cypress Basin - Ad Valorem	205,791	205,791	143,491	-	-	-	349,282	
Save Our Everglades Trust Fund	59,938,695	59,938,695	47,000,000	32,000,000	32,000,000	32,000,000	202,938,695	
Florida Bay Fund	1,500,000	-	1,500,000	-	-	-	1,500,000	
Other CERP Creditable (Fund Balance)	1,751,433	1,751,433	-	-	-	-	1,751,433	
Debt Proceeds - 2006 COPs	-	-	32,845,687	14,161,284	-	-	47,006,971	
TOTAL	\$143,300,153	\$114,247,701	\$159,344,022	\$151,949,377	\$87,855,456	\$108,340,294	\$621,736,849	
Database Project #:	EXPENDITURES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2042	Southern Crew	\$125,000	\$125,000	\$ -	\$ -	\$ -	\$ -	\$125,000
1956	C-44 Reservoir and STA	5,054,785	2,054,785	10,659,402	2,049,389	6,438,061	-	21,201,637
1974	Picayune Strand	205,791	205,791	12,806,491	-	-	-	13,012,282
1992	Loxahatchee Watershed	71,966,256	71,171,256	27,641,400	2,466,079	-	-	101,278,735
2032	C-111 South Contract	14,500,000	-	9,000,000	-	-	-	9,000,000
2048	C-111 Spreader Canal	133,053	-	-	-	-	-	-
2028	LTP EAA STA Compartment B Design Construction & Build Outs	136,500	136,500	-	-	-	-	136,500
2034	LTP EAA STA Compartment C Design Construction & Build Outs	410,000	410,000	-	-	-	-	410,000
2052	A-1 FEB	5,200,000	3,200,000	42,495,687	24,920,055	-	-	70,615,742
2067	STA-1W Expansion #1	5,232,600	-	12,961,403	71,862,462	32,000,000	36,972,906	153,796,771
2067	STA-1W Expansion #2	-	-	-	-	-	21,687,899	21,687,899
2069	Source Control	-	-	-	4,421,700	4,510,134	4,600,337	13,532,171
2071	Science Plan	5,100,000	1,708,201	8,593,799	9,550,871	9,741,889	9,936,727	39,531,487
	Debt Service - 2006 COPs	35,236,168	35,236,168	35,185,840	35,182,247	35,165,372	35,142,425	175,912,051
	COPs Future Projects Reserve	-	-	-	1,496,574	-	-	1,496,574
	TOTAL	\$143,300,153	\$114,247,701	\$159,344,022	\$151,949,377	\$87,855,456	\$108,340,294	\$621,736,849

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS								
2.3 SURFACE WATER PROJECTS								
Lake Okeechobee Program								
	REVENUES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
	Ad Valorem - District/Okeechobee Basin	\$6,453,318	\$2,709,255	\$10,015,693	\$6,288,467	\$4,595,846	\$ -	\$23,609,261
	Save Our Everglades Trust Fund	316,142	316,142	-	-	-	-	316,142
	Lake Okeechobee Trust Fund	2,819,681	1,558,895	1,260,786	1,491,544	-	-	4,311,225
	TOTAL	\$9,589,141	\$4,584,292	\$11,276,479	\$7,780,011	\$4,595,846	\$ -	\$28,236,628
Database Project #:	EXPENDITURES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2059	Lakeside Ranch STA Phase I	\$85,731	\$85,731	\$ -	\$ -	\$ -	\$ -	\$ 85,731
1979	Dispersed Water Management	8,703,410	4,428,707	10,546,333	6,288,467	4,595,846	-	25,859,353
1961	Lemkin Creek	800,000	69,854	730,146	-	-	-	800,000
	Lake Okeechobee Project Reserves	-	-	-	1,491,544	-	-	1,491,544
	TOTAL	\$9,589,141	\$4,584,292	\$11,276,479	\$7,780,011	\$4,595,846	\$-	\$28,236,628
Kissimmee Watershed Program								
	REVENUES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
	Wetland Mitigation Trust Fund	\$2,927,610	\$531,433	\$3,898,158	\$538,966	\$ -	\$ -	\$4,968,557
	TOTAL	\$2,927,610	\$531,433	\$3,898,158	\$538,966	\$ -	\$ -	\$4,968,557
Database Project #:	EXPENDITURES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2054	Rolling Meadows Design / Construction	\$2,927,610	\$531,433	\$3,898,158	\$538,966	\$ -	\$ -	\$4,968,557
	TOTAL	\$2,927,610	\$531,433	\$3,898,158	\$538,966	\$ -	\$ -	\$4,968,557

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS								
2.3 SURFACE WATER PROJECTS								
Coastal Watersheds								
REVENUES		FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
Save Our Everglades Trust Fund		\$2,136,540	\$255,000	\$1,881,540	\$ -	\$ -	\$ -	\$2,136,540
Ad Valorem - District/Okeechobee Basin		500,664	200,664	16,875,890	-	-	-	17,076,554
TOTAL		\$2,637,204	\$455,664	\$18,757,430	\$-	\$-	\$-	\$19,213,094
Database Project #:	EXPENDITURES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
1995	Lake Hicpochee	\$1,450,664	\$150,664	\$17,875,890	\$ -	\$ -	\$ -	\$18,026,554
2060	Spanish Creek/ Four Corners Initiative	205,000	205,000	-	-	-	-	205,000
1995	Mirror Lakes	50,000	50,000	-	-	-	-	50,000
1953	C-43 Water Quality Treatment Facility	931,540	50,000	881,540	-	-	-	931,540
TOTAL		\$2,637,204	\$455,664	\$18,757,430	\$-	\$-	\$-	\$19,213,094

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS									
2.5 FACILITIES CONSTRUCTION AND OTHER MAJOR PROJECTS									
Mission Support Program									
REVENUES		FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total	
Ad Valorem - District/Okeechobee Basin		\$1,185,000	\$885,000	\$1,488,000	\$ -	\$ -	\$ -	\$2,373,000	
TOTAL		\$1,185,000	\$885,000	\$1,488,000	\$ -	\$ -	\$ -	\$2,373,000	
Database Project #:	EXPENDITURES		FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2072	EOC Chiller/Condenser		\$600,000	\$300,000	\$900,000	\$ -	\$ -	\$ -	\$1,200,000
2058	Facilities Replacement/Improvements		585,000	585,000	588,000	-	-	-	1,173,000
TOTAL		\$1,185,000	\$885,000	\$1,488,000	\$-	\$ -	\$ -	\$2,373,000	

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS									
3.1 LAND MANAGEMENT									
Land Stewardship Program									
REVENUES		FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total	
Wetlands Mitigation		\$1,335,000	\$ -	\$3,335,000	\$ -	\$ -	\$ -	\$3,335,000	
Lake Belt Mitigation		3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000	
TOTAL		\$4,335,000	\$3,000,000	\$6,335,000	\$3,000,000	\$3,000,000	\$3,000,000	\$18,335,000	
Database Project #:	EXPENDITURES		FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total
2035	8 1/2 Sq. Mile Mitigation Project		\$1,335,000	\$ -	\$3,335,000	\$ -	\$ -	\$ -	\$3,335,000
2073	C-139 Annex Restoration		1,020,000	1,020,000	1,040,400	1,061,208	1,082,432	1,104,081	5,308,121
	Lake Belt Mitigation Reserves		1,980,000	1,980,000	1,959,600	1,938,792	1,917,568	1,895,919	9,691,879
	TOTAL		\$4,335,000	\$3,000,000	\$6,335,000	\$3,000,000	\$3,000,000	\$3,000,000	\$18,335,000

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS								
3.2 WORKS								
Operations & Maintenance Program								
REVENUES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total	
Ad Valorem - Big Cypress Basin	\$724,531	\$724,531	\$4,578,947	\$9,637,900	\$5,350,000	\$3,050,000	\$23,341,378	
Ad Valorem - Okeechobee Basin	48,320,748	48,620,748	48,940,410	45,563,324	47,450,000	45,950,000	236,524,482	
Future State Appropriations	-	-	8,300,000	-	-	-	8,300,000	
ECP - Ad Valorem, Ag Tax	3,612,399	3,612,399	2,098,321	350,000	1,000,000	1,000,000	8,060,720	
TOTAL	\$52,657,678	\$52,957,678	\$63,917,678	\$55,551,224	\$53,800,000	\$50,000,000	\$276,226,580	
EXPENDITURES	FY2013 Adopted	FY2013 Adjusted	FY2014	FY2015	FY2016	FY2017	Total	
Database Project #:								
1970	Golden Gate Canal Weir #4 Retrofit	\$ -	\$ -	\$ -	\$50,000	\$1,500,000	\$2,000,000	\$3,550,000
1960	Miller Weir #3 Rehabilitation	171,109	171,109	1,169,586	1,600,000	-	-	2,940,695
2024	Henderson Creek Weir #2 Retrofit	-	-	60,000	2,000,000	-	-	2,060,000
2030	FAKA Union Weir 6&7 Retrofit	-	-	-	-	-	50,000	50,000
2049	CIFER (BCB)	-	-	-	250,000	-	-	250,000
1986	Fall Protection for BCB	-	-	-	237,900	-	-	237,900
2021	Cypress Canal Weir 41A Retrofit	-	-	-	-	50,000	1,000,000	1,050,000
1986	BCB Structure/Bridge/Modification/Repair	374,361	374,361	349,361	-	-	-	723,722
2031	Communication & Control Systems	253,031	253,031	130,031	4,448,225	2,160,000	1,000,000	7,991,287
1985	Pump Station Modification/Repair	10,206,802	10,206,802	16,290,305	20,302,399	12,652,267	12,714,400	72,166,173
2039	Project Culverts - Capital Improvements	183,806	183,806	858,806	-	-	-	1,042,612
1986	Structure/Bridge/Modification/Repair	6,869,242	6,869,242	13,465,441	9,735,000	19,400,100	17,925,000	67,394,783
2011	O&M Facility Construction/Improvements	335,966	335,966	135,966	-	1,795,862	-	2,267,794
1957	Canal/Levee Maint/Canal Conveyance	27,448,038	27,448,038	14,823,044	8,072,100	9,936,171	13,805,000	74,084,353
2025	System Automation (ODSS)	787,046	787,046	-	-	-	-	787,046
2053	Project Culverts- Capital Replacements	536,817	536,817	536,817	505,600	505,600	505,600	2,590,434
2049	Critical Infrastructure Field Equipment (CIFER)	1,000,000	1,000,000	1,000,000	1,000,000	-	-	3,000,000
2045	Vertical Datum (NAVD 88)/SCADA System Upgrade	700,000	700,000	1,700,000	1,500,000	1,000,000	-	4,900,000
2026	O & M STA Capital Construction	3,612,399	3,612,399	2,098,321	350,000	1,000,000	1,000,000	8,060,720
	O&M Capital Refurbishment	52,478,617	52,478,617	52,617,678	50,051,224	50,000,000	50,000,000	255,147,519

1977	Henderson Creek Diversion	179,061	179,061	1,000,000	1,500,000	1,800,000	-	4,479,061
2003	BCB Field Station Design & Construction	-	-	2,000,000	4,000,000	2,000,000	-	8,000,000
2079	Corbett Levee Protection	-	300,000	8,300,000	-	-	-	8,600,000
	O&M Capital Other	179,061	479,061	11,300,000	5,500,000	3,800,000	-	21,079,061
	TOTAL	\$52,657,678	\$52,957,678	\$63,917,678	\$55,551,224	\$53,800,000	\$50,000,000	\$276,226,580
	TOTAL CAPITAL EXPENDITURES	\$220,641,834	\$180,671,816	\$267,384,767	\$218,819,578	\$149,251,302	\$161,340,294	\$977,467,756