

Chapter 4: Five-Year Capital Improvements Plan

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The Five-Year Capital Improvements Plan (CIP) includes projected revenues and expenditures for capital improvements for Fiscal Years 2011 through 2015 (FY2011–FY2015) (October 1, 2010 through September 30, 2015). 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 in the FY2011–2015 CIP.

The CIP includes expenditures for (1) basic construction costs including design, engineering, permits, inspections, and site development; (2) other project costs including land acquisition and associated costs, surveys, and facility acquisition; and (3) 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 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 District's 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 the 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.

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

Table 4-1 shows a listing of the SFWMD coding structure containing capital improvements projects and the corresponding state program and activity. The SFWMD's Five-Year CIP for FY2011–FY2015 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
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	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 2011–2015
(October 1, 2010–September 30, 2015).

SUMMARY						
Revenues	FY2011	FY2012	FY2013	FY2014	FY2015	Total
<i>Ad Valorem</i> – District/Okeechobee Basin	111,743,628	60,289,290	62,220,571	59,295,184	62,468,176	356,016,849
<i>Ad Valorem</i> – CERP (District/Okeechobee Basin)	196,031,294	15,863,641	15,869,510	15,847,015	15,725,409	259,336,869
Total – General <i>Ad Valorem</i> Sources	307,774,922	76,152,931	78,090,081	75,142,199	78,193,585	615,353,718
Big Cypress Basin <i>Ad Valorem</i>	8,129,367	6,717,811	16,852,075	8,685,000	8,650,000	49,034,253
Everglades Construction Project – <i>Ad Valorem</i> , Ag Tax	28,701,710	28,178,590	48,520,667	49,595,465	28,262,868	183,259,300
Everglades Construction Project – <i>Ad Valorem</i> , Ag Tax – Future Projects Reserve	0	0	0	0	9,429,142	9,429,142
Save Our Everglades Trust Fund	44,029,384	34,482,533	53,590,008	70,500,000	94,000,000	296,601,925
Florida Forever Trust Fund	12,600,000	2,625,000	5,250,000	4,351,000	0	24,826,000
Florida Forever Trust Fund – Land Acquisition Reserve	0	0	0	0	27,149,000	27,149,000
Debt Proceeds	111,548,777	51,261,912	11,069,036	0	0	173,879,725
Debt Proceeds (Amendment)	3,540,000	0	0	0	0	3,540,000
Lake Okeechobee Trust Fund	9,016,172	0	0	0	0	9,016,172
Florida Bay Fund	2,000,000	0	0	0	0	2,000,000
State Appropriations	903,589	0	0	0	0	903,589
Wetland Mitigation	6,255,940	3,134,416	685,715	50,000	50,000	10,176,071
Lake Belt Mitigation	150,000	4,000,000	4,000,000	4,000,000	4,000,000	16,150,000
Total Revenues	\$534,649,861	\$206,553,193	\$218,057,582	\$212,323,664	\$249,734,595	\$1,421,318,895

Table 4-2. Continued.

SUMMARY						
Expenditures						
Restoration	FY2011	FY2012	FY2013	FY2014	FY2015	Total
Coastal Watersheds	5,604,386	0	0	0	27,267,284	32,871,670
Lake Okeechobee	30,600,904	16,692,477	28,525,001	35,616,858	38,683,142	150,118,382
Kissimmee Watershed	7,838,000	634,416	635,715	0	0	9,108,131
Comprehensive Everglades Restoration Plan	272,049,136	37,428,697	47,284,517	55,166,157	70,973,983	482,902,490
District Everglades	143,790,487	79,440,502	59,589,703	49,595,465	37,692,010	370,108,167
Modeling & Scientific Support	5,260,000	0	0	0	0	5,260,000
Restoration Total	\$465,142,913	\$134,196,092	\$136,034,936	\$140,378,480	\$174,616,419	\$1,050,368,840
Operations & Maintenance	FY2011	FY2012	FY2013	FY2014	FY2015	Total
Land Stewardship	6,382,940	10,504,500	9,741,250	9,250,750	12,109,500	47,988,940
Operations & Maintenance	62,631,008	60,692,601	71,031,396	62,604,434	62,708,676	319,668,115
Operations & Maintenance Total	\$69,013,948	\$71,197,101	\$80,772,646	\$71,855,184	\$74,818,176	\$367,657,055
Mission Support	FY2011	FY2012	FY2013	FY2014	FY2015	Total
Mission Support	493,000	1,160,000	1,250,000	90,000	300,000	3,293,000
Mission Support Total	\$493,000	\$1,160,000	\$1,250,000	\$90,000	\$300,000	\$3,293,000
Total Expenditures	\$534,649,861	\$206,553,193	\$218,057,582	\$212,323,664	\$249,734,595	\$1,421,318,895

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS							
2.3 SURFACE WATER PROJECTS							
Coastal Watersheds							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
	Save Our Everglades Trust Fund	0	0	0	0	27,267,284	27,267,284
	Ad Valorem Sources – District/Okeechobee Basin	5,604,386	0	0	0	0	5,604,386
	TOTAL	\$5,604,386	\$0	\$0	\$0	\$27,267,284	\$32,871,670
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1762	Caloosahatchee River Basin (C-43) Water Quality Treatment Facility	4,340,536	0	0	0	27,267,284	31,607,820
	Coastal Project Reserves	1,263,850	0	0	0	0	1,263,850
	TOTAL	\$5,604,386	\$0	\$0	\$0	\$27,267,284	\$32,871,670
Lake Okeechobee							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
	Ad Valorem Sources – District/Okeechobee Basin	3,900,000	1,000,000	1,000,000	0	0	5,900,000
	Florida Forever Trust Fund	0	1,326,000	1,200,000	0	0	2,526,000
	Save Our Everglades Trust Fund	17,684,732	14,366,477	26,325,001	35,616,858	38,683,142	132,676,210
	Lake Okeechobee Trust Fund	9,016,172	0	0	0	0	9,016,172
	TOTAL	\$30,600,904	\$16,692,477	\$28,525,001	\$35,616,858	\$38,683,142	\$150,118,382
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1806	Lakeside Ranch Stormwater Treatment Area (STA) Phase I	15,035,000	3,366,477	0	0	0	18,401,477
1806	Lakeside Ranch STA Phase II	0	0	12,325,001	25,616,858	15,683,142	53,625,001
1780	Herbert Hoover Dike Rehabilitation	1,900,000	1,326,000	1,200,000	0	0	4,426,000
1808	North Shore Navigational Canal Improvements	1,000,000	1,000,000	1,000,000	0	0	3,000,000
1724	Dispersed Water Management	7,587,808	5,000,000	6,000,000	4,000,000	8,000,000	30,587,808
1822	Source Control and Sub-Regional Water Quality Projects	0	6,000,000	8,000,000	6,000,000	15,000,000	35,000,000
1824	Florida Ranchlands Environmental Services Project – Lykes West Waterhole	393,750	0	0	0	0	393,750
1721	Lemkin Creek – Lake Okeechobee Trust Fund	800,000	0	0	0	0	800,000
	Lake Okeechobee Project Reserves	3,884,346	0	0	0	0	3,884,346
	TOTAL	\$30,600,904	\$16,692,477	\$28,525,001	\$35,616,858	\$38,683,142	\$150,118,382

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS							
2.3 SURFACE WATER PROJECTS							
Kissimmee Watershed							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
	Wetland Mitigation Trust Fund	\$1,338,000	\$634,416	\$635,715	0	0	\$2,608,131
	<i>Ad Valorem</i> Sources – District/Okeechobee Basin	400,000	0	0	0	0	400,000
	Florida Forever	6,100,000	0	0	0	0	6,100,000
	TOTAL	\$7,838,000	\$634,416	\$635,715	\$0	\$0	\$9,108,131
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1823	Rolling Meadows Design/Construction	1,338,000	634,416	635,715	0	0	2,608,131
1758	Kissimmee River Restoration Land Acquisition	6,500,000	0	0	0	0	6,500,000
	TOTAL	\$7,838,000	\$634,416	\$635,715	\$0	\$0	\$9,108,131
Comprehensive Everglades Restoration Plan							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
	Save Our Everglades Trust Fund	26,344,652	20,116,056	27,265,007	34,883,142	28,049,574	136,658,431
	<i>Ad Valorem</i> Sources – CERP <i>Ad Valorem</i> Fund	196,031,294	15,863,641	15,869,510	15,847,015	15,725,409	259,336,869
	<i>Ad Valorem</i> Sources – District/Okeechobee Basin	37,355,234	0	0	0	0	37,355,234
	Big Cypress Basin – <i>Ad Valorem</i>	2,914,367	150,000	100,000	85,000	50,000	3,299,367
	Florida Forever Trust Fund	6,500,000	1,299,000	4,050,000	4,351,000	0	16,200,000
	Florida Forever Trust Fund – Land Acquisition Reserve	0	0	0	0	27,149,000	27,149,000
	Florida Bay Fund	2,000,000	0	0	0	0	2,000,000
	State Appropriations	903,589	0	0	0	0	903,589
	TOTAL	\$272,049,136	\$37,428,697	\$47,284,517	\$55,166,157	\$70,973,983	\$482,902,490

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS							
2.3 SURFACE WATER PROJECTS							
Comprehensive Everglades Restoration Plan (continued)							
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1790	Southern Corkscrew Regional Ecosystem Watershed/Imperial River Flow-way Critical Restoration Project (CRP)	7,149,326	791,415	4,124,000	4,124,000	0	16,188,741
1744	Ten Mile Creek Water Preserve Area CRP	1,079,408	0	0	0	0	1,079,408
1796	Lake Trafford Restoration CRP	2,139,367	0	0	0	0	2,139,367
1746	C-44 Reservoir and Stormwater Treatment Area (STA)	12,462,192	0	1,020,000	520,000	175,839	14,178,031
1763	Picayune Strand Restoration Project	775,000	1,150,000	2,500,000	1,085,000	50,000	5,560,000
1738	North Palm Beach County – Part 1	2,128,293	7,936,324	14,459,506	29,283,142	26,797,735	80,605,000
1765	Biscayne Bay Coastal Wetlands	22,535,000	10,567,317	8,524,501	3,351,000	0	44,977,818
1745	C-111 Spreader Canal	13,432,460	0	0	0	0	13,432,460
1743	Hillsboro Aquifer Storage & Recovery	95,000	0	0	0	0	95,000
1781	Fran Reich Preserve – Site 1 Impoundment	0	1,240,000	907,000	1,076,000	1,076,000	4,299,000
	Debt Service – 2006 Certificates of Participation (COPs)	15,753,090	15,743,641	15,749,510	15,727,015	15,725,409	78,698,665
1733	Land Acquisition/Capital Project Reserve (U.S. Sugar Acquisition)	194,500,000	0	0	0	0	194,500,000
	Florida Forever Trust Fund – Land Acquisition Reserve	0	0	0	0	27,149,000	27,149,000
	TOTAL	\$272,049,136	\$37,428,697	\$47,284,517	\$55,166,157	\$70,973,983	\$482,902,490

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS							
2.3 SURFACE WATER PROJECTS							
District Everglades							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
Everglades Construction Project (ECP) – <i>Ad Valorem</i> , Ag Tax		28,701,710	28,178,590	48,520,667	49,595,465	28,262,868	183,259,300
ECP– <i>Ad Valorem</i> , Ag Tax – Future Projects Reserve		0	0	0	0	9,429,142	9,429,142
Debt Proceeds – 2006 COPs		111,548,777	51,261,912	11,069,036	0	0	173,879,725
Debt Proceeds – 2006 COPs – (Amendment)		3,540,000	0	0	0	0	3,540,000
TOTAL		\$143,790,487	\$79,440,502	\$59,589,703	\$49,595,465	\$37,692,010	\$370,108,167
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1766	Long-Term Plan (LTP) Everglades Agricultural Area (EAA) STA Compartment B Design Construction & Build-outs	77,916,113	20,272,090	0	0	0	98,188,203
1788	LTP EAA STA Compartment C Design Construction & Build-outs	35,066,284	20,489,822	0	0	0	55,556,106
1759	Rotenberger Pump Station Design & Construction	1,600,000	3,219,000	0	0	0	4,819,000
	Operations & Maintenance Capital Construction	3,684,367	5,345,194	8,203,045	6,211,640	8,806,030	32,250,276
1722	Chem Lab Facility	2,492,636	0	0	0	0	2,492,636
1828	EAA A-1 Flow Equalization Basin (Amendment)	3,540,000	10,635,000	31,900,000	23,925,000	0	70,000,000
	Debt Service – 2006 COPs	19,491,087	19,479,396	19,486,658	19,458,825	19,456,838	97,372,804
	Future Projects Reserve – ECP <i>Ad Valorem</i> , Ag Tax Fund Balance	0	0	0	0	9,429,142	9,429,142
TOTAL		\$143,790,487	\$79,440,502	\$59,589,703	\$49,595,465	\$37,692,010	\$370,108,167

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS							
2.5 FACILITIES CONSTRUCTION AND OTHER MAJOR PROJECTS							
Mission Support							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
<i>Ad Valorem</i> Sources – District/Okeechobee Basin		493,000	1,160,000	1,250,000	90,000	300,000	3,293,000
TOTAL		\$493,000	\$1,160,000	\$1,250,000	\$90,000	\$300,000	\$3,293,000
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1774	General Building & Improvements	493,000	1,160,000	1,250,000	90,000	300,000	3,293,000
TOTAL		\$493,000	\$1,160,000	\$1,250,000	\$90,000	\$300,000	\$3,293,000
Modeling & Scientific Support							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
<i>Ad Valorem</i> Sources – District/Okeechobee Basin		\$5,260,000	0	0	0	0	\$5,260,000
TOTAL		\$5,260,000	\$0	\$0	\$0	\$0	\$5,260,000
Project #	EXPENDITURES	FY2010	FY2011	FY2012	FY2013	FY2014	Total
1722	Chem Lab Facility	\$5,260,000	0	0	0	0	\$5,260,000
TOTAL		\$5,260,000	\$0	\$0	\$0	\$0	\$5,260,000

Table 4-2. Continued.

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS							
3.1 LAND MANAGEMENT							
Land Stewardship							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
<i>Ad Valorem</i> Sources – District/Okeechobee Basin		\$1,315,000	\$4,004,500	\$5,691,250	\$5,200,750	\$8,059,500	\$24,271,000
Wetlands Mitigation		4,917,940	2,500,000	50,000	50,000	50,000	7,567,940
Lake Belt Mitigation		150,000	4,000,000	4,000,000	4,000,000	4,000,000	16,150,000
TOTAL		\$6,382,940	\$10,504,500	\$9,741,250	\$9,250,750	\$12,109,500	\$47,988,940
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1749	Recreation Projects – Land	1,315,000	4,004,500	5,691,250	5,200,750	8,059,500	24,271,000
1820	8 1/2 Square Mile Mitigation Project	4,600,000	2,000,000	50,000	50,000	50,000	6,750,000
1803	Shingle Creek Phase II & III Land/Associated Costs	150,000	0	0	0	0	150,000
1827	Pennsuco Land Acquisition	167,940	0	0	0	0	167,940
1748	Cypress Creek Restoration	0	500,000	0	0	0	500,000
1778	Lake Belt Land/Lake Belt Associated Costs/Restoration	150,000	4,000,000	4,000,000	4,000,000	4,000,000	16,150,000
TOTAL		\$6,382,940	\$10,504,500	\$9,741,250	\$9,250,750	\$12,109,500	\$47,988,940

Table 4-2. Continued.

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS							
3.2 WORKS							
Operations & Maintenance							
REVENUES		FY2011	FY2012	FY2013	FY2014	FY2015	Total
Ad Valorem – Big Cypress Basin		\$5,215,000	\$6,567,811	\$16,752,075	\$8,600,000	\$8,600,000	45,734,886
Ad Valorem Sources		\$57,416,008	\$54,124,790	\$54,279,321	\$54,004,434	\$54,108,676	273,933,229
TOTAL		\$62,631,008	\$60,692,601	\$71,031,396	\$62,604,434	\$62,708,676	\$319,668,115
Project #	EXPENDITURES	FY2011	FY2012	FY2013	FY2014	FY2015	Total
1729	Golden Gate Weir #3 Relocation	195,000	0	0	0	0	195,000
1732	Golden Gate Weir #5	0	0	0	0	4,300,000	4,300,000
1742	Golden Gate Canal Weir #6 and #7 Retrofit	1,605,000	0	0	0	0	1,605,000
1741	Henderson Creek Diversion	100,000	1,000,000	5,000,000	0	0	6,100,000
1768	Faka Union Canal Weir #6 & #7 Retrofit	0	0	0	0	4,300,000	4,300,000
1776	BCB Field Station Land Acquisition	2,210,000	0	0	0	0	2,210,000
1776	BCB Field Station Construction	1,100,000	1,267,811	8,452,075	0	0	10,819,886
1802	Cypress Canal Weir #4A1 Retrofit	0	0	0	4,300,000	0	4,300,000
1769	Miller Weir #3 Rehabilitation	0	4,300,000	0	0	0	4,300,000
1723	Golden Gate Canal Weir #4 Retrofit	0	0	0	4,300,000	0	4,300,000
1789	Lake Trafford Off-Road Vehicle Park Site Assessment	5,000	0	0	0	0	5,000
1784	Henderson Creek Weir #2 Retrofit	0	0	3,300,000	0	0	3,300,000
1804	Communication & Control Systems	2,839,722	3,067,800	10,516,794	10,184,002	6,507,400	33,115,718
1756	Pump Station Modification/Repair	8,233,815	16,276,063	17,126,729	6,067,277	2,661,093	50,364,977
1771	Project Culvert – Capital Improvements	0	2,640,000	0	292,000	1,898,000	4,830,000
1757	Structure/Bridge/Modification/Repair	27,287,994	14,302,107	10,630,166	7,184,233	10,408,048	69,812,548
1798	Operations & Maintenance Facility Construction/Improvements	1,353,251	3,944,140	1,333,000	1,700,000	950,000	9,280,391
1760	Canal/Levee Maintenance/Canal Conveyance	14,246,498	9,558,680	9,836,632	24,985,922	31,434,135	90,061,867
1830	Project Culvert – Capital Replacements	274,480	250,000	250,000	250,000	250,000	1,274,480
1825	Critical Infrastructure Field Equipment (CIFER)	985,248	2,000,000	3,000,000	3,000,000	0	8,985,248
1826	Vertical Datum (NAVD88)	2,195,000	2,086,000	1,586,000	341,000	0	6,208,000
TOTAL		\$62,631,008	\$60,692,601	\$71,031,396	\$62,604,434	\$62,708,676	\$319,668,115
TOTAL CAPITAL EXPENDITURES		\$534,649,861	\$206,553,193	\$218,057,582	\$212,323,664	\$249,734,595	\$1,421,318,895