

# Chapter 4: Five-Year Capital Improvements Plan

Marlene E. Nieves

The Five-Year Capital Improvements Plan (CIP) includes projected revenues and expenditures for capital improvements from Fiscal Years 2010 through 2014 (FY2010–FY2014) (October 1, 2009–September 30, 2014). 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](http://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 at [www.sfwmd.gov/budget](http://www.sfwmd.gov/budget). The SFWMD's Five-Year Capital Improvements Plan for FY2010–FY2014 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
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 2010–2014 (October 1, 2009–September 30, 2014).

**2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS**

**2.3 SURFACE WATER PROJECTS**

**Coastal Watersheds Program**

REVENUES		FY2010	FY2011	FY2012	FY2013	FY2014	Total
Save Our Everglades Trust Fund		\$4,000,000	\$0	\$37,858,400	\$40,000,000	\$0	\$81,858,400
Ad Valorem Sources		4,485,642	0	0	0	0	4,485,642
<b>TOTAL</b>		<b>\$8,485,642</b>	<b>\$0</b>	<b>\$37,858,400</b>	<b>\$40,000,000</b>	<b>\$0</b>	<b>\$86,344,042</b>

Project #	EXPENDITURES	FY2010	FY2011	FY2012	FY2013	FY2014	Total
1658	Caloosahatchee River Basin Water Quality Treatment & Testing Area (C-43 Water Quality Project)	\$8,485,642	\$0	\$37,858,400	\$40,000,000	\$0	\$86,344,042
	<b>TOTAL</b>	<b>\$8,485,642</b>	<b>\$0</b>	<b>\$37,858,400</b>	<b>\$40,000,000</b>	<b>\$0</b>	<b>\$86,344,042</b>

**Lake Okeechobee Program**

REVENUES		FY2010	FY2011	FY2012	FY2013	FY2014	Total
Ad Valorem		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$4,000,000
Florida Forever		400,000	0	0	0	0	400,000
Save Our Everglades Trust Fund		39,049,169	27,091,338	29,499,600	37,756,192	28,000,000	161,396,299
Lake Okeechobee Trust Fund		5,100,000	0	0	0	0	5,100,000
<b>TOTAL</b>		<b>\$45,549,169</b>	<b>\$28,091,338</b>	<b>\$30,499,600</b>	<b>\$38,756,192</b>	<b>\$28,000,000</b>	<b>\$170,896,299</b>

Project #	EXPENDITURES	FY2010	FY2011	FY2012	FY2013	FY2014	Total
1715	Pearce/Moore Haven Canals Dredging	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$0	\$4,000,000
1667	Lakeside Ranch STA Phase I	34,302,827	0	0	0	0	34,302,827
1667	Lakeside Ranch STA Phase II	8,046,342	19,930,000	21,600,000	3,256,592	0	52,832,934
1714	Taylor Creek Design/Test Cell Construction	0	7,161,338	7,899,600	5,999,600	0	21,060,538
1689	Herbert Hoover Dike Rehabilitation	400,000	0	0	0	0	400,000
1591	Northern Everglades Land Acquisition	0	0	0	25,500,000	25,000,000	50,500,000
1716	Northern Everglades Design	0	0	0	3,000,000	3,000,000	6,000,000
1691	Lemkin Creek	1,800,000	0	0	0	0	1,800,000
	<b>TOTAL</b>	<b>\$45,549,169</b>	<b>\$28,091,338</b>	<b>\$30,499,600</b>	<b>\$38,756,192</b>	<b>\$28,000,000</b>	<b>\$170,896,299</b>

**Kissimmee Watershed Program**

REVENUES		FY2010	FY2011	FY2012	FY2013	FY2014	Total
Ad Valorem		\$17,700,000	\$0	\$0	\$0	\$0	\$17,700,000
Florida Forever		\$7,300,000	\$0	\$0	\$0	\$0	\$7,300,000
<b>TOTAL</b>		<b>\$25,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25,000,000</b>

Project #	EXPENDITURES	FY2010	FY2011	FY2012	FY2013	FY2014	Total
671 & 162	Kissimmee River Restoration Mitigation	\$25,000,000	\$0	\$0	\$0	\$0	\$25,000,000
	<b>TOTAL</b>	<b>\$25,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$25,000,000</b>

Table 4-2. Continued.

<b>CERP Program</b>							
	<b>REVENUES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
	Save Our Everglades Trust Fund	\$64,100,000	\$19,908,662	\$4,642,000	\$19,243,808	\$69,000,000	\$176,894,470
	Less: SOETF- FY14 Fund Balance Reserved for Future Planned Project Funding	0	0	0	0	(39,000,000)	(39,000,000)
	Ad Valorem Sources - CERP	98,503,881	165,324,666	139,927,958	109,694,835	97,934,493	611,385,834
	Less: CERP Ad Valorem Fund Balance Reserved for Future Planned Project Funding	0	(94,720,002)	(62,419,979)	(48,446,819)	(44,109,336)	(249,696,136)
	Florida Forever Trust Fund	0	0	7,875,000	15,750,000	31,500,000	55,125,000
	ROG Lease Revenues	0	10,950,000	10,950,000	10,950,000	10,950,000	43,800,000
	Ad Valorem - Big Cypress Basin	3,000,000	2,751,000	0	0	0	5,751,000
	Debt Proceeds - 2006 COPs - CERP	350,000	0	0	0	0	350,000
	Debt Proceeds - 2010 Proposed COPs	536,482,668	0	0	0	0	536,482,668
	State Appropriations	989,978	0	0	0	0	989,978
	CERP - Federal Funds	2,800,000	0	0	0	0	2,800,000
	ECP - Ad Valorem / Aq Tax	11,246,276	0	0	0	0	11,246,276
	<b>TOTAL</b>	<b>\$717,472,803</b>	<b>\$104,214,326</b>	<b>\$100,974,979</b>	<b>\$107,191,824</b>	<b>\$126,275,157</b>	<b>\$1,156,129,090</b>

<b>Project #</b>	<b>EXPENDITURES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
1686	Southern Crew / Imperial River Flowway CRP	10,500,000	\$8,000,000	\$0	\$0	\$0	\$18,500,000
1629	Lake Trafford Restoration CRP	3,000,000	2,751,000				5,751,000
1708	C-43 Basin Storage Res - Part 1	2,800,000		0	0	0	2,800,000
1618	C-44 Reservoir and STA	5,180,000	3,500,000	1,000,000	1,000,000	1,000,000	11,680,000
1687	Picayune Strand	300,000	1,300,000	1,300,000	1,300,000	1,300,000	5,500,000
1640	Indian River Lagoon - So.- C-23/C-24 Land Acquisition	30,000,000	0	0	0	30,000,000	60,000,000
1638	Everglades Agricultural Area Storage Reservoirs	425,000	0		1,000,000	1,000,000	2,425,000
1634	North Palm Beach County - Part 1	989,978	10,394,726	27,360,791	26,666,667	0	65,412,163
1660	Biscayne Bay Coastal Wetlands	19,676,600	16,793,443	5,901,531	7,875,000	15,750,000	65,996,574
1645	Advanced Work on C-111 Spreader Canal	46,643,400	0	3,937,500	7,875,000	15,750,000	74,205,900
	Debt Service - 2006 COPs - CERP	15,775,157	15,775,157	15,775,157	15,775,157	15,775,157	78,875,785
1696	River of Grass Land Acquisition	536,482,668					536,482,668
	Debt Service - ROG	45,700,000	45,700,000	45,700,000	45,700,000	45,700,000	228,500,000
	<b>TOTAL</b>	<b>\$717,472,803</b>	<b>\$104,214,326</b>	<b>\$100,974,979</b>	<b>\$107,191,824</b>	<b>\$126,275,157</b>	<b>\$1,156,129,090</b>

<b>District Everglades Program</b>							
	<b>REVENUES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
	ECP - Ad Valorem, Aq Tax	28,613,577	31,378,368	23,319,288	34,590,832	35,462,823	153,364,888
	Debt Proceeds- 2006 COPs- District Everglades (415)	151,960,397	78,819,957	13,192,067			243,972,421
	<b>TOTAL</b>	<b>\$180,573,974</b>	<b>\$110,198,325</b>	<b>\$36,511,355</b>	<b>\$34,590,832</b>	<b>\$35,462,823</b>	<b>\$397,337,309</b>

<b>Project #</b>	<b>EXPENDITURES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
1661	LTP EAA STA Compartment B Design Construction &	90,634,072	55,390,299	9,465,010			155,489,381
1662	LTP EAA STA Compartment C Design Construction &	61,839,045	23,429,658	3,727,057			88,995,760
1652	Advanced Work On LTP ACME Basin	5,336,829					5,336,829
1621	Rotenberger Pump Station Design & Construction	1,800,000					1,800,000
1680	Hydropattern Restoration Design & Construction		1,234,586	1,243,255	13,930,300	14,294,900	30,703,041
	Other Long-Term Plan Projects	1,444,636	10,624,390	2,556,641	1,141,140	1,648,531	17,415,338
	Debt Service - 2006 COPs - District Everglades	19,519,392	19,519,392	19,519,392	19,519,392	19,519,392	97,596,960
	<b>TOTAL</b>	<b>\$180,573,974</b>	<b>\$110,198,325</b>	<b>\$36,511,355</b>	<b>\$34,590,832</b>	<b>\$35,462,823</b>	<b>\$397,337,309</b>

Table 4-2. Continued.

<b>2.5 FACILITIES CONSTRUCTION AND OTHER MAJOR PROJECTS</b>							
<b>Mission Support Program</b>							
	<b>REVENUES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
	Ad Valorem Sources	\$318,000	\$1,145,000	\$1,180,000	\$90,000	\$200,000	\$2,933,000
	<b>TOTAL</b>	<b>\$318,000</b>	<b>\$1,145,000</b>	<b>\$1,180,000</b>	<b>\$90,000</b>	<b>\$200,000</b>	<b>\$2,933,000</b>
<b>Project #</b>	<b>EXPENDITURES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
1647	General Building & Improvements	\$318,000	\$1,145,000	\$1,180,000	\$90,000	\$200,000	\$2,933,000
	<b>TOTAL</b>	<b>\$318,000</b>	<b>\$1,145,000</b>	<b>\$1,180,000</b>	<b>\$90,000</b>	<b>\$200,000</b>	<b>\$2,933,000</b>
<b>Modeling &amp; Scientific Support Program</b>							
	<b>REVENUES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
	Ad Valorem Sources	\$5,700,000	\$10,141,000	\$0	\$0	\$0	\$15,841,000
	<b>TOTAL</b>	<b>\$5,700,000</b>	<b>\$10,141,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,841,000</b>
<b>Project #</b>	<b>EXPENDITURES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
1692	Chem Lab Facility	\$5,700,000	\$10,141,000	\$0	\$0	\$0	\$15,841,000
	<b>TOTAL</b>	<b>\$5,700,000</b>	<b>\$10,141,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,841,000</b>
<b>3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS</b>							
<b>3.1 LAND MANAGEMENT</b>							
<b>Land Stewardship Program</b>							
	<b>REVENUES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
	Ad Valorem	\$577,137	\$6,091,707	\$7,340,876	\$1,772,113	\$1,688,582	\$17,470,414
	Wetland Mitigation		1,000,000	500,000	500,000	500,000	2,500,000
	Florida Forever	820,000	0	0	0		820,000
	Lake Belt Mitigation	200,000	4,000,000	4,000,000	4,000,000	4,000,000	16,200,000
	<b>TOTAL</b>	<b>\$1,597,137</b>	<b>\$11,091,707</b>	<b>\$11,840,876</b>	<b>\$6,272,113</b>	<b>\$6,188,582</b>	<b>\$36,990,414</b>
<b>Project #</b>	<b>EXPENDITURES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
1642	Recreation Projects Land	\$1,397,137	\$6,091,707	\$7,340,876	\$1,772,113	\$1,688,582	\$18,290,414
1614	Shingle Creek Phase II & III Land/Associated Costs		\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000
1641	Cypress Creek Restoration		500,000				500,000
1649	Lake Belt Land/Lake Belt Associated Costs/Restoration	200,000	4,000,000	4,000,000	4,000,000	4,000,000	16,200,000
	<b>TOTAL</b>	<b>\$1,597,137</b>	<b>\$11,091,707</b>	<b>\$11,840,876</b>	<b>\$6,272,113</b>	<b>\$6,188,582</b>	<b>\$36,990,414</b>

Table 4-2. Continued.

<b>3.2 WORKS</b>							
<b>Operations &amp; Maintenance Program</b>							
<b>REVENUES</b>							
	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>	
Ad Valorem - Big Cypress Basin	\$5,105,295	4,000,000	6,500,000	8,000,000	5,000,000	28,605,295	
Ad Valorem Sources	60,375,467	53,227,012	52,151,826	53,857,191	55,682,950	275,294,445	
<b>TOTAL</b>	<b>\$65,480,762</b>	<b>\$57,227,012</b>	<b>\$58,651,826</b>	<b>\$61,857,191</b>	<b>\$60,682,950</b>	<b>\$303,899,740</b>	
0							
<b>Project #</b>	<b>EXPENDITURES</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>Total</b>
1668	Golden Gate Weir #3 Relocation	3,405,295			0		3,405,295
1717	Golden Gate Weir #5					3,000,000	3,000,000
1617	Golden Gate Canal Weir #6 and #7 Retrofit	1,000,000	2,000,000		0		3,000,000
1616	Henderson Creek Diversion	50,000	1,000,000	2,500,000	0		3,550,000
1616	Henderson Creek Improvement					2,000,000	2,000,000
1682	Faka Union Canal Weir #6 & #7 Retrofit	100,000			0		100,000
1625	BCB Field Station Land Acquisition	50,000					50,000
1625	BCB Field Station Construction	500,000	1,000,000	1,000,000			2,500,000
1611	Cypress Canal Weir #4A1 Retrofit				3,000,000		3,000,000
1599	Miller Weir #3 Rehabilitation			3,000,000	0		3,000,000
1693	Golden Gate Canal Weir #4 Retrofit				3,000,000		3,000,000
1601	Henderson Creek Weir #2 Retrofit				2,000,000		2,000,000
1636	Communication & Control Systems	6,443,853	8,874,580	8,531,235	9,605,700	6,755,000	\$40,210,368
1677	Pump Station Modification/Repair	6,992,099	7,699,176	13,537,290	8,266,211	959,250	\$37,454,026
1624	Project Culvert Replacement/Modification	284,920	2,178,800	0	0	0	\$2,463,720
1678	Structure/Bridge/Modification/Repair	39,599,211	22,513,779	20,863,247	22,982,620	13,346,794	\$119,305,650
1609	O&M Facility Construction/Improvements	53,538	343,995	602,600	1,050,000	12,400,000	\$14,450,133
1644	Canal/Levee Maint/Canal Conveyance	7,001,846	11,616,682	8,617,454	11,952,660	22,221,906	\$61,410,548
<b>TOTAL</b>		<b>\$65,480,762</b>	<b>\$57,227,012</b>	<b>\$58,651,826</b>	<b>\$61,857,191</b>	<b>\$60,682,950</b>	<b>\$303,899,740</b>
<b>TOTAL CAPITAL EXPENDITURES</b>							
		<b>\$1,050,177,487</b>	<b>\$322,108,708</b>	<b>\$277,517,036</b>	<b>\$288,758,152</b>	<b>\$256,809,512</b>	<b>\$2,195,370,894</b>