

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 Year 2015-2016 through Fiscal Year 2019-2020 (October 1, 2015, through September 30, 2020). 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 Development¹

2.2.1 Water Resource Development Projects

2.2.2 Water Supply Development Systems

2.3 Surface Water Projects¹

2.4 Other Cooperative Projects

2.5 Facilities Construction and Major Renovations

3.0 Operation and Maintenance of Lands and Works

3.1 Land Management¹

3.2 Works¹

3.3 Facilities

3.4 Invasive Plant Control

3.5 Other

¹ Denotes activities with budgeted capital projects in the FY2016–FY2020 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's or 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 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 waterbodies.

2.2 Water Source Development includes 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 Fiscal Year 2015-2016 through Fiscal Year 2019-2020 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 SFWMD coding structure and corresponding state programs and activities.

SFWMD Coding Structure	State Program	State Activity
Stormwater/Water Supply	2.0 Acquisition, Restoration and Public Works	2.2 Water Source Development
Restoration	2.0 Acquisition, Restoration and Public Works	2.3 Surface Water 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 Year 2015-2016 through Fiscal Year 2019-2020 (October 1, 2015–September 30, 2020).^a

SUMMARY:

Revenues	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
Ad Valorem - District/Okeechobee Basin	\$ 64,270,918	\$ 64,270,918	\$ 70,105,463	\$ 69,664,187	\$ 70,619,161	\$ 71,204,761	\$ 345,864,490
Reserves Without Restrictions	97,371,288	76,066,219	24,558,552	20,852,034	5,868,028	6,771,028	134,115,861
Big Cypress Basin Ad Valorem	3,595,122	3,595,122	5,676,400	4,774,000	3,560,500	3,802,000	21,408,022
Big Cypress Basin Reserves	2,832,878	2,832,878	-	-	-	-	2,832,878
Everglades Construction Project - Ad Valorem, Ag Tax	23,272,630	23,272,630	21,448,374	18,787,881	18,778,686	18,766,796	101,054,367
Ad Valorem - New Construction	-	-	1,126,447	2,926,447	5,526,447	8,326,447	17,905,788
Save Our Everglades Trust Fund	42,388,645	36,489,364	5,899,281	-	-	-	42,388,645
Land Acquisition Trust Fund	101,836,743	101,836,743	204,700,000	213,200,000	190,000,000	190,000,000	899,736,743
General State Appropriations	2,000,000	2,000,000	-	-	-	-	2,000,000
Water Management Lands Trust Fund	98,427	98,427	-	-	-	-	98,427
Florida Forever Trust Fund	2,830,125	-	2,830,125	-	-	-	2,830,125
Florida Bay Fund	12,368,436	1,000,000	16,432,436	-	-	-	17,432,436
CERP Other Creditable/Florida Forever Balances	6,837,812	1,915,963	3,489,778	358,019	358,018	358,018	6,479,796
Wetland Mitigation	4,300,000	4,000,000	300,000	-	-	-	4,300,000
Lake Belt Mitigation	11,000,000	4,500,000	15,500,000	2,200,000	3,400,000	7,400,000	33,000,000
Total Revenues	\$ 375,003,024	\$ 321,878,264	\$ 372,066,856	\$ 332,762,568	\$ 298,110,840	\$ 306,629,050	\$ 1,631,447,578

Expenditures	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS:	\$ 305,496,043	\$ 260,871,283	\$ 301,731,753	\$ 276,546,750	\$ 240,946,118	\$ 244,627,618	\$ 1,324,723,522
2.2 WATER SOURCE DEVELOPMENT:	\$ 14,557,122	\$ 14,557,122	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 22,557,122
Stormwater/Water Supply	14,557,122	14,557,122	2,000,000	2,000,000	2,000,000	2,000,000	22,557,122
2.3 SURFACE WATER PROJECTS:	\$ 290,938,921	\$ 246,314,161	\$ 299,731,753	\$ 274,546,750	\$ 238,946,118	\$ 242,627,618	\$ 1,302,166,400
Restoration	290,938,921	246,314,161	299,731,753	274,546,750	238,946,118	242,627,618	1,302,166,400
3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS:	\$ 69,506,981	\$ 61,006,981	\$ 70,335,103	\$ 56,215,818	\$ 57,164,722	\$ 62,001,432	\$ 306,724,056
3.1 LAND MANAGEMENT	\$ 11,000,000	\$ 4,500,000	\$ 15,500,000	\$ 2,200,000	\$ 3,400,000	\$ 7,400,000	\$ 33,000,000
Land Acquisition	11,000,000	4,500,000	15,500,000	2,200,000	3,400,000	7,400,000	33,000,000
3.2 WORKS	\$ 58,506,981	\$ 56,506,981	\$ 54,835,103	\$ 54,015,818	\$ 53,764,722	\$ 54,601,432	\$ 273,724,056
Operations & Maintenance	58,506,981	56,506,981	54,835,103	54,015,818	53,764,722	54,601,432	273,724,056
Total Expenditures	\$ 375,003,024	\$ 321,878,264	\$ 372,066,856	\$ 332,762,568	\$ 298,110,840	\$ 306,629,050	\$ 1,631,447,578

Table 4-2. Continued.

PROGRAM DETAIL:

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS

2.2 WATER SOURCE DEVELOPMENT

Stormwater/ Water Supply							
	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
REVENUES							
Reserves Without Restrictions	\$ 12,159,500	\$ 12,159,500	\$ -	\$ -	\$ -	\$ -	\$ 12,159,500
Big Cypress Basin Ad Valorem	2,397,622	2,397,622	2,000,000	2,000,000	2,000,000	2,000,000	10,397,622
TOTAL	\$ 14,557,122	\$ 14,557,122	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 22,557,122
	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
EXPENDITURES							
2348 Big Cypress Basin Local Projects	\$ 2,397,622	\$ 2,397,622	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,397,622
2378 Central Florida Water Initiative (CFWI)	3,144,500	3,144,500	-	-	-	-	3,144,500
2328 Cooperative Projects	9,015,000	9,015,000	-	-	-	-	9,015,000
TOTAL	\$ 14,557,122	\$ 14,557,122	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 22,557,122

Table 4-2. Continued.

2.0 ACQUISITION, RESTORATION AND PUBLIC WORKS							
2.3 SURFACE WATER PROJECTS							
Restoration							
REVENUES	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
ECP - Ad Valorem, Agriculture Tax	\$ 19,447,506	\$ 19,447,506	\$ 18,761,534	\$ 16,817,781	\$ 16,808,586	\$ 16,796,696	\$ 88,632,103
Ad Valorem - District/Okeechobee Basin	15,717,866	15,717,866	21,633,600	20,392,469	20,385,039	20,375,429	98,504,403
Reserves Without Restrictions	83,211,788	63,906,719	24,558,552	20,852,034	5,868,028	6,771,028	121,956,361
Ad Valorem - New Construction	-	-	1,126,447	2,926,447	5,526,447	8,326,447	17,905,788
Save Our Everglades Trust Fund	42,388,645	36,489,364	5,899,281	-	-	-	42,388,645
Land Acquisition Trust Fund	101,836,743	101,836,743	204,700,000	213,200,000	190,000,000	190,000,000	899,736,743
State Appropriations	2,000,000	2,000,000	-	-	-	-	2,000,000
Florida Forever Trust Fund	2,830,125	-	2,830,125	-	-	-	2,830,125
Florida Bay Fund	12,368,436	1,000,000	16,432,436	-	-	-	17,432,436
CERP Other Creditable/Florida Forever Balances	6,837,812	1,915,963	3,489,778	358,019	358,018	358,018	6,479,796
Wetland Mitigation Trust Fund	4,300,000	4,000,000	300,000	-	-	-	4,300,000
Debt Proceeds- 2006 Certificates of Participation	-	-	-	-	-	-	-
TOTAL	\$ 290,938,921	\$ 246,314,161	\$ 299,731,753	\$ 274,546,750	\$ 238,946,118	\$ 242,627,618	\$ 1,302,166,400
Database Project #:	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
2318 Kissimmee Land Acquisition/Cash Payments	\$ 31,400,000	\$ 20,250,000	\$ 11,150,000	\$ -	\$ -	\$ -	\$ 31,400,000
2382 Rolling Meadows Design / Construction	4,300,000	4,000,000	300,000	-	-	-	4,300,000
2422 Kissimmee Aquifer Storage and Recovery	2,500,000	255,000	300,000	350,000	95,000	-	1,000,000
2385 C-37 Dredging	370,000	370,000	-	-	-	-	370,000
2355 Lake Okeechobee Watershed Project Planning	1,000,000	-	-	-	-	-	-
2421 Lake Okeechobee Basin Management Action Plan Projects	-	-	-	-	-	7,000,000	7,000,000
2330 (Basin Management Action Plan) Lakeside Ranch Phase II	12,500,000	12,500,000	18,000,000	28,200,000	7,000,000	-	65,700,000
2423 Indian River Lagoon South C-23/C-24 Reservoir South	-	-	-	-	8,000,000	6,000,000	14,000,000
2424 Indian River Lagoon South C-44/C-23 Interconnect	-	-	-	-	-	1,000,000	1,000,000
2387 C-44 STA/Pump Station/Reservoir	45,202,254	45,202,254	60,000,000	25,000,000	-	-	130,202,254
2331 Land Acquisition - Indian River Lagoon South	2,830,125	-	2,830,125	-	-	-	2,830,125
2407 Ten Mile Creek Refurbishment/Repairs	7,228,130	28,130	7,200,000	-	-	-	7,228,130
2363 RS MECCA Flow Equalization Basin	4,784,516	4,784,516	1,700,000	29,800,000	29,400,000	22,100,000	87,784,516
2394 RS G-341 (Bolles Canal) Conveyance Improvements	7,200,000	7,200,000	9,250,000	5,100,000	-	-	21,550,000
2357 RS STA-1 West Expansion #1	47,269,649	47,269,649	39,700,056	14,632,520	-	-	101,602,225
2320 RS STA-1 West Expansion #2	-	-	-	2,000,000	9,400,000	16,700,000	28,100,000
2354 RS L-8 Divide	257,494	257,494	-	-	-	-	257,494
2413 RS G-716	4,398,300	3,964,900	550,000	-	-	-	4,514,900
2358 RS S-5AS	257,495	257,495	-	-	-	-	257,495
2425 RS C-139 Flow Equalization Basin	-	-	-	-	-	1,600,000	1,600,000
2426 RS STA-5 Earthwork	-	-	-	-	-	2,300,000	2,300,000
2418 RS Source Control	1,000,000	-	1,000,000	3,957,486	4,300,000	4,500,000	13,757,486
2408 RS Science Plan	7,680,638	6,231,561	5,436,960	6,738,475	6,999,475	6,697,475	32,103,946
2353 Central Everglades Project (CEP)	-	-	-	-	1,000,000	1,000,000	2,000,000
2428 Future Everglades Water Quality/Storage Projects	-	-	-	-	-	35,000,000	35,000,000
2398 Western Basins	947,068	947,068	-	-	-	-	947,068
2336 Broward County Water Preserve Area: 3A/3B Seepage Management Area	-	-	-	-	4,000,000	21,000,000	25,000,000
2403 C-111 South Dade Project	19,820,636	6,052,200	13,768,436	-	-	-	19,820,636
2430 L-31 East Flowway/Interim Pumping	1,642,870	110,799	100,000	358,019	358,018	358,018	1,284,854
2430 Land Acquisition - Biscayne Bay Coastal Wetlands Phase 1: L-31E Flowway	-	-	5,800,000	3,000,000	-	-	8,800,000
2431 Biscayne Bay Coastal Wetlands Phase 1: Cutler Wetlands	-	-	-	-	6,000,000	18,000,000	24,000,000
2362 Picayune Strand	8,368,228	7,157,560	6,210,668	17,000,000	10,000,000	-	40,368,228
2361 Southern Crew	4,055,164	3,755,164	300,000	-	-	-	4,055,164
2409 C-43 Water Quality Treatment Facility	557,483	351,500	8,205,983	1,000,000	1,000,000	1,000,000	11,557,483
2420 C-43 STA/Pump Station/Reservoir	27,488,677	27,488,677	56,000,000	105,000,000	119,000,000	66,000,000	373,488,677
2393 Lake Hicpochee	12,714,822	12,714,822	16,900,000	-	-	-	29,614,822
2432 Restoration Project Planning	-	-	3,000,000	2,000,000	2,000,000	2,000,000	9,000,000
Debt Service - 2006 Certificates of Participation	35,165,372	35,165,372	32,029,525	30,410,250	30,393,625	30,372,125	158,370,897
TOTAL	\$ 290,938,921	\$ 246,314,161	\$ 299,731,753	\$ 274,546,750	\$ 238,946,118	\$ 242,627,618	\$ 1,302,166,400

Table 4-2. Continued.

3.0 OPERATION AND MAINTENANCE OF LANDS AND WORKS							
3.1 LAND MANAGEMENT							
Land Stewardship Program							
	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
REVENUES							
Lake Belt Mitigation	\$ 11,000,000	\$ 4,500,000	\$ 15,500,000	\$ 2,200,000	\$ 3,400,000	\$ 7,400,000	\$ 33,000,000
TOTAL	\$ 11,000,000	\$ 4,500,000	\$ 15,500,000	\$ 2,200,000	\$ 3,400,000	\$ 7,400,000	\$ 33,000,000
EXPENDITURES							
2406 C-139 Annex Restoration (Lake Belt Mitigation)	\$ 4,500,000	\$ 4,500,000	\$ 4,500,000	\$ 2,200,000	\$ 3,400,000	\$ 7,400,000	\$ 22,000,000
2434 Lake Belt Mitigation Land Acquisition	6,500,000	-	11,000,000	-	-	-	11,000,000
TOTAL	\$ 11,000,000	\$ 4,500,000	\$ 15,500,000	\$ 2,200,000	\$ 3,400,000	\$ 7,400,000	\$ 33,000,000

Table 4-2. Continued.

3.2 WORKS							
Operations & Maintenance Program							
REVENUES	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
Ad Valorem - Big Cypress Basin	\$ 1,197,500	\$ 1,197,500	\$ 3,676,400	\$ 2,774,000	\$ 1,560,500	\$ 1,802,000	\$ 11,010,400
Big Cypress Basin Reserves	2,832,878	2,832,878	-	-	-	-	2,832,878
Ad Valorem - District/Okeechobee Basin	48,553,052	48,553,052	48,471,863	49,271,718	50,234,122	50,829,332	247,360,087
Reserves Without Restrictions	2,000,000	-	-	-	-	-	-
Everglades Construction Project - Ad Valorem, Agriculture Tax	3,825,124	3,825,124	2,686,840	1,970,100	1,970,100	1,970,100	12,422,264
Water Management Lands Trust Funds	98,427	98,427	-	-	-	-	98,427
TOTAL	\$ 58,506,981	\$ 56,506,981	\$ 54,835,103	\$ 54,015,818	\$ 53,764,722	\$ 54,601,432	\$ 273,724,056
EXPENDITURES	Fiscal Year 2015-2016 Adopted	Fiscal Year 2015-2016 Adjusted	Fiscal Year 2016-2017	Fiscal Year 2017-2018	Fiscal Year 2018-2019	Fiscal Year 2019-2020	Total
2341 BCB Golden Gate Canal Weir #4 Retrofit	\$ 450,000	\$ 450,000	\$ 200,000	\$ 2,000,000	\$ 1,000,000	\$ -	\$ 3,650,000
2325 BCB Miller Weir #3 Rehabilitation	-	-	-	-	-	-	-
2414 BCB Stage Recorders/Rain Guages/SCADA Replacements	247,500	247,500	770,700	99,000	-	-	1,117,200
2402 BCB Remote Monitoring & Communications	-	-	323,200	100,000	-	-	423,200
2414 BCB Fall Protection for BCB	-	-	300,000	-	-	-	300,000
2369 BCB Cypress Canal Weir #4A1 Retrofit	-	-	50,000	-	335,500	671,000	1,056,500
2414 BCB Structure/Bridge/Modification/Repair	250,000	250,000	1,820,000	525,000	225,000	740,000	3,560,000
2374 BCB FAKA Union Canal Weir #6 Replacement	-	-	-	50,000	-	391,000	441,000
2433 BCB Level of Service Assessment	250,000	250,000	212,500	-	-	-	462,500
2402 Communication & Control Systems	6,873,041	6,873,041	4,274,758	2,123,273	-	-	13,271,072
2365 Pump Station Modification/Repair	17,982,981	17,982,981	10,431,851	14,605,201	16,010,140	18,002,540	77,032,713
2350 Project Culverts- Capital Improvements	127,013	127,013	105,093	-	-	-	232,106
2414 Structure/Bridge/Modification/Repair	13,478,024	11,478,024	24,639,147	21,531,540	14,886,589	11,099,155	83,634,455
2327 Operation & Maintenance Facility Construction/Improvements	463,060	463,060	41,318	-	-	-	504,378
2388 Canal/Levee Maint/Canal Conveyance	4,416,209	4,416,209	1,037,382	6,200,312	14,526,001	18,916,245	45,096,149
2381 Project Culverts- Capital Replacements	1,410,727	1,410,727	1,532,392	1,532,392	1,532,392	1,532,392	7,540,295
2414 Inspection Programs/Overhaul/Refurbishment	2,978,758	2,978,758	2,999,097	1,279,000	1,279,000	1,279,000	9,814,855
2414 SCADA Stilling Well/Platform	600,009	600,009	599,427	-	-	-	1,199,436
2335 Vertical Datum (NAVD 88)/SCADA System Upgrade	2,223,230	2,223,230	2,811,398	2,000,000	2,000,000	-	9,034,628
2346 STA Operation & Maintenance Capital Construction	3,825,124	3,825,124	2,686,840	1,970,100	1,970,100	1,970,100	12,422,264
2392 BCB Field Station Design & Construction	2,832,878	2,832,878	-	-	-	-	2,832,878
2405 Corbett Levee Protection	98,427	98,427	-	-	-	-	98,427
TOTAL	\$ 58,506,981	\$ 56,506,981	\$ 54,835,103	\$ 54,015,818	\$ 53,764,722	\$ 54,601,432	\$ 273,724,056
TOTAL CAPITAL EXPENDITURES	\$ 375,003,024	\$ 321,878,264	\$ 372,066,856	\$ 332,762,568	\$ 298,110,840	\$ 306,629,050	\$ 1,631,447,578

a. Key to acronyms: BCB – Big Cypress Basin, CERP – Comprehensive Everglades Restoration Plan, NAVD88 – North American Vertical Datum of 1988, RS – Restoration Strategies for Clean Water for the Everglades, SCADA – supervisory control and data acquisition, and STA – Stormwater Treatment Area.