

ENTERPRISE CAPITAL

This section includes the capital program for three enterprise funds - Aviation, Port Everglades, and Water and Wastewater. The Aviation capital program is supported primarily by federal and state grants, bond proceeds, airport operating revenues, and fund balance. The Port Everglades capital program is primarily supported by fund balance, bond proceeds, state grants, and operating revenues. The Water and Wastewater capital program is funded primarily by user charges, bond proceeds, and fund balance.

This section is organized in the following manner:

	Page
Aviation Five Year Summary	4-2
Aviation Project Descriptions	4-4
Port Everglades Five Year Summary	4-15
Port Everglades Project Descriptions	4-18
Water & Wastewater Five Year Summary	4-28
Water & Wastewater Project Descriptions	4-31

BROWARD COUNTY CAPITAL BUDGET**AVIATION CAPITAL**

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
REVENUES					
Interest Income	158,670	197,080	179,880	181,590	183,410
Less 5%	(7,930)	(9,850)	(8,990)	(9,080)	(9,170)
TF Aviation Operations Fund	17,774,570	6,666,000	7,080,000	3,737,000	3,195,000
TF Aviation Passenger Facilities Charges (PFC) Fund	22,215,680	0	0	12,300,000	24,000,000
Fund Balance	18,820,210	18,970,200	19,157,430	19,328,320	19,500,830
Federal Grants (includes TSA)	5,504,000	1,800,000	1,800,000	5,400,000	1,800,000
State Grants	610,000	0	50,750,000	16,250,000	0
Bond Proceeds/Future Passenger Facility Charge-Backed Financing	36,785,000	14,220,000	50,000,000	16,250,000	0
TOTAL REVENUES	<u>\$101,860,200</u>	<u>\$41,843,430</u>	<u>\$128,958,320</u>	<u>\$73,437,830</u>	<u>\$48,670,070</u>

APPROPRIATIONSRenewal and Replacement

Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds)	0	0	0	20,000,000	0
Terminal 4 Federal Inspection Service (FIS) Facility	25,000,000	0	0	0	0
Loading Bridges	0	0	0	0	24,000,000
Vehicle Replacement	295,000	150,000	145,000	225,000	155,000
Equipment Replacement	1,551,000	1,066,000	620,000	262,000	375,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement	0	0	1,500,000	0	0
FLL Stormwater Upgrades	0	14,220,000	0	0	0
Information Technology Software & Services Renewal and	375,000	375,000	375,000	375,000	375,000
Information Systems Renewal & Replacement	2,110,000	3,160,000	2,885,000	1,225,000	1,040,000
Tenant Relocations	500,000	0	500,000	0	0
Matrix Access System Reader Replacement	350,000	0	0	0	0
Subtotal	<u>30,181,000</u>	<u>18,971,000</u>	<u>6,025,000</u>	<u>22,087,000</u>	<u>25,945,000</u>

Improvement and Development

Facility Improvement Allowance	750,000	750,000	750,000	750,000	750,000
Airport Master Plan and Airport Layout Plan	2,200,000	0	0	0	0
Mobile Application Development	400,000	250,000	250,000	250,000	250,000
Airport Access Roadway System	0	0	100,000,000	0	0

BROWARD COUNTY CAPITAL BUDGET

AVIATION CAPITAL

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
Gate 504 Security Improvements	1,800,000	0	0	0	0
Citation Ticket System	30,000	0	0	0	0
Parking Office Renovation - Hibiscus Garage	500,000	0	0	0	0
Parking Revenue Control System	650,000	715,000	605,000	250,000	50,000
Aviation's Share of ERP Implementation	3,919,000	0	0	0	0
Federal Aviation Regulation Part 150 Study	1,000,000	0	0	0	0
Automated Taxicab Dispatch Software Module	390,000	0	0	0	0
Security Infrastructure Project	0	2,000,000	2,000,000	2,000,000	2,000,000
Land Acquisition	5,000,000	0	0	0	0
Subtotal	<u>16,639,000</u>	<u>3,715,000</u>	<u>103,605,000</u>	<u>3,250,000</u>	<u>3,050,000</u>
<u>North Perry Projects</u>					
Airport Master Plan and Airport Layout Plan	700,000	0	0	0	0
Runway 10R-28L Safety Enhancements	0	0	0	4,000,000	0
Subtotal	<u>700,000</u>	<u>0</u>	<u>0</u>	<u>4,000,000</u>	<u>0</u>
<u>Airport Expansion Projects</u>					
Checked Baggage Inspection System - Terminal 4	25,000,000	0	0	0	0
New FLL Security Facility	10,370,000	0	0	0	0
Taxiway H Construction	0	0	0	12,600,000	0
Taxiway M Construction	0	0	0	12,000,000	0
Subtotal	<u>35,370,000</u>	<u>0</u>	<u>0</u>	<u>24,600,000</u>	<u>0</u>
<u>Reserves</u>					
Reserves	18,970,200	19,157,430	19,328,320	19,500,830	19,675,070
Subtotal	<u>18,970,200</u>	<u>19,157,430</u>	<u>19,328,320</u>	<u>19,500,830</u>	<u>19,675,070</u>
TOTAL APPROPRIATIONS	<u>\$101,860,200</u>	<u>\$41,843,430</u>	<u>\$128,958,320</u>	<u>\$73,437,830</u>	<u>\$48,670,070</u>

* Net of internal transfers

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Renewal and Replacement

Funding Summary

	Actual Expenses Through FY 14	Modified FY 15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds)	0	30,000,000	0	---	20,000,000	19	0	---	50,000,000
Terminal 4 Federal Inspection Service (FIS) Facility	0	25,000,000	0	---	25,000,000	16	0	---	50,000,000
Loading Bridges	0	0	0	---	24,000,000	20	0	---	24,000,000
Vehicle Replacement	N/A	N/A	0	---	0	---	970,000	MY	970,000
Equipment Replacement	N/A	N/A	0	---	0	---	3,874,000	MY	3,874,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement	0	0	0	---	0	---	1,500,000	18	1,500,000
FLL Stormwater Upgrades	278,766	2,001,233	0	---	14,220,000	17	0	---	16,499,999
Information Technology Software & Services Renewal and Replacement	N/A	N/A	0	---	0	---	1,875,000	MY	1,875,000
Information Systems Renewal & Replacement	N/A	N/A	0	---	0	---	10,420,000	MY	10,420,000
Tenant Relocations	0	0	0	---	0	---	1,000,000	MY	1,000,000
Matrix Access System Reader Replacement	N/A	N/A	0	---	0	---	350,000	16	350,000

Project Comments

- In FY19, an additional \$20 million will be provided for the study, design, and construction for the rehabilitation of North Airfield pavements, including 10L-28R and connecting taxiways. The rehabilitation of the runway ensures that the pavement is kept in good operational condition. The last runway mill and overlay was 10-years ago, however, due to deterioration and rideability issues, 10L-28R will need an overlay much sooner than the 20 year design life.
- In FY16, an additional \$25 million is provided to increase the overall footprint of the existing Terminal 4 Federal Inspection Service (FIS) facility to enhance passenger throughput and overall customer satisfaction. The proposed expansion includes upgrading Custom's secondary space and exit lane areas to comply with current Custom's requirements.
- In FY20, \$24 million will be provided to replace Passenger Boarding Bridges in Concourses B, C, D, E, & F. There are a total of 47 bridges that need to be replaced because of the end of their life cycle.
- In FY16 - FY20, \$970,000 is provided for the replacement of vehicles.
- In FY16 - FY20, \$3,874,000 is provided for the replacement of various pieces of equipment that have reached their service life.
- In FY18, \$1.5 million is provided to replace an existing Aircraft Rescue and Fire Fighting (ARFF) truck 710, which will be ten years old.

BROWARD COUNTY CAPITAL BUDGET

- In FY17, \$14,220,000 will be provided for stormwater upgrades. In order to take advantage of limited airfield property for expansion, converting landscape infiltration areas to paved aircraft use areas requires removal of the stormwater. This project includes studying a pumping program, developing alternative pumping options, completing permitting and design, and constructing pump stations to move stormwater off the airfield.
- In FY16 - FY20, \$1,875,000 is provided for information technology software & services renewal and replacement.
- In FY16 - FY20, \$10,420,000 is provided for information systems (hardware) renewal and replacement.
- In FY16 and FY18, \$1 million is provided for tenant relocations as needed to support Aviation's initiatives for balancing passenger operations in the terminal buildings.
- In FY16, \$350,000 is provided to replace access readers due to evolving technology, needed improvement of infrastructure, and the desire to reduce operating costs. Aviation is moving toward replacing the current airport identification badges with badges containing microchips that no longer need to be swiped and will enhance security.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Aviation Funds/Interest	5,181,000	4,751,000	5,275,000	18,337,000	25,945,000	59,489,000
Federal/State Grants	0	0	750,000	3,750,000	0	4,500,000
Loans Issued/Bonds	25,000,000	14,220,000	0	0	0	39,220,000
TOTAL	30,181,000	18,971,000	6,025,000	22,087,000	25,945,000	103,209,000

Funding Requirements

Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds)	0	0	0	20,000,000	0	20,000,000
Terminal 4 Federal Inspection Service (FIS) Facility	25,000,000	0	0	0	0	25,000,000
Loading Bridges	0	0	0	0	24,000,000	24,000,000
Vehicle Replacement	295,000	150,000	145,000	225,000	155,000	970,000
Equipment Replacement	1,551,000	1,066,000	620,000	262,000	375,000	3,874,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement	0	0	1,500,000	0	0	1,500,000
FLL Stormwater Upgrades	0	14,220,000	0	0	0	14,220,000
Information Technology Software & Services Renewal and Replacement	375,000	375,000	375,000	375,000	375,000	1,875,000
Information Systems Renewal & Replacement	2,110,000	3,160,000	2,885,000	1,225,000	1,040,000	10,420,000
Tenant Relocations	500,000	0	500,000	0	0	1,000,000
Matrix Access System Reader Replacement	350,000	0	0	0	0	350,000
TOTAL	30,181,000	18,971,000	6,025,000	22,087,000	25,945,000	103,209,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Improvement and Development

Funding Summary

	Actual Expenses Through FY 14	Modified FY 15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Facility Improvement Allowance	1,160,733	2,795,143	0	---	0	---	3,750,000	MY	7,705,876
Airport Master Plan and Airport Layout Plan	0	3,348,487	2,200,000	16	0	---	0	---	5,548,487
Mobile Application Development	0	0	0	---	0	---	1,400,000	MY	1,400,000
Airport Access Roadway System	0	0	10,000,000	18	80,000,000	18	10,000,000	18	100,000,000
Gate 504 Security Improvements	0	0	250,000	16	1,550,000	16	0	---	1,800,000
Citation Ticket System	0	0	0	---	0	---	30,000	16	30,000
Parking Office Renovation - Hibiscus Garage	0	0	100,000	16	400,000	16	0	---	500,000
Parking Revenue Control System	0	0	0	---	2,270,000	MY	0	---	2,270,000
Aviation's Share of ERP Implementation	121,299	5,160,130	0	---	0	---	3,919,000	16	9,200,429
Federal Aviation Regulation Part 150 Study	0	1,500,000	1,000,000	16	0	---	0	---	2,500,000
Automated Taxicab Dispatch Software Module	970,162	1,029,032	0	---	0	---	390,000	16	2,389,194
Security Infrastructure Project	0	2,000,000	0	---	8,000,000	MY	0	---	10,000,000
Land Acquisition	0	0	0	---	0	---	5,000,000	16	5,000,000

Project Comments

- \$3.75 million funding has been provided for fiscal years 2016 through 2020 to fund projects stemming from the needs of the various divisions, which may include projects beyond the Maintenance department's staff capabilities, and may require a contractor to perform.
- In FY16, \$2.2 million is added to the \$3.3 million already budgeted to provide an update to the current FLL Airport Master Plan and Airport Layout Plan (ALP). The FLL Master Plan update was completed in 2010 for the first time since 1994. Due to proposed changes on the airfield related to CIP projects associated with runways, aprons, and facility expansions, a revised Master Plan is needed.
- In FY16 - FY20, \$1.4 million is provided to develop the FLL Mobile Application to include advertising opportunities for BCAD and FLL concessionaires. In addition, the mobile app can be further developed to provide customer service functionality to include discounts and incentives for our travelers and accurate wait time information at the checkpoints.
- In FY18, \$100 million is provided to improve the airport access roadway system by providing better access to the airport, circulation among the four terminals, the Rental Car Center, the airport's three parking garages and efficient egress to the interstate highway system. This project will address deficient roadway service levels, congestion and circulation problems caused by inadequate accessibility and insufficient capacity.

- In FY16, \$1.8 million is provided for a proactive security enhancement project to increase security to the south side of Terminal 4 complex of the airport. In addition, this improvement will allow the use of Gate 504 to relieve the over-capacity situation currently experienced at peak times at Gate 100. The project scope includes the following components: permanent structure with an extended canopy structure, restrooms, back-up power generation, 2 entry lanes with an additional lane for a staging/search area to be utilized for the inspection of vehicles, high speed gates, intrusion control technology, CCTV, retractable bollards, serpentine roadways and traffic signals.
- In FY16, \$30,000 is provided for a Citation Ticket System with handheld computers, software and printers for curbside use with unattended vehicles and solicitation activity.
- In FY16, \$500,000 is provided to improve the parking office located in the Hibiscus Garage to make it the focal point to process all parking transactions and to resolve customer service issues. The project will accomplish the following: 1) enhance the current lobby and service window to increase capacity, efficiency and aesthetic appeal; 2) reorganize office layout to obtain adequate space for approximately 200 staff and personal storage needs; 3) update office electronics to include a video wall and radio dispatch console; 4) build out office to include a dedicated training facility; and 5) apply interior painting and resurface flooring to reflect professional integrity.
- In FY16 - FY20, \$2,270,000 is provided for various hardware components to upgrade the parking access and revenue control system.
- In FY16, \$3,919,000 is added to pay for a portion of Aviation's anticipated share of a new Enterprise Resource Planning System. Upgrade of the financial system will provide improved integrated project management and financial management to the airport's capital projects, which is anticipated to exceed \$1 billion over the next 5 years.
- In FY16 , an additional \$1 million is provided for a Federal Aviation Regulation Part 150 study, which is an in-depth process that involves working with the community to address its concerns, developing a detailed analysis of noise levels and variables, and creating a plan to reduce the impact of aircraft noise.
- In FY16, an additional \$390,000 is funded for an Automated Taxicab Dispatch Software Module and an outdoor dynamic display. The automated taxicab dispatch system will electronically detect when taxicabs are needed at the terminal ground transportation areas (GTA's) and display the order in which taxicabs will be dispatched from the taxicab hold lot and the intermediate staging area.
- In FY17-20, an additional \$8 million is funded to do a property analysis to determine assets in need of protection, identify risks that may affect assets, determine the probability of the identified risks, and to determine the impact or effect on the Broward County Aviation Department. These tasks are necessary to develop a comprehensive property recovery plan.
- In FY16, \$5 million is funded to purchase property that is experiencing flooding as a result of storm-runoff from the new South Runway.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

Funding Sources	FY16	FY17	FY18	FY19	FY20	TOTAL
Fund Balance/Aviation Funds/Interest	7,914,000	1,915,000	101,805,000	(98,550,000)	1,250,000	14,334,000
Federal/State Grants	3,725,000	1,800,000	1,800,000	51,800,000	1,800,000	60,925,000
Bond Proceeds/Future Passenger Facility Charge-Backed Financing	5,000,000	0	0	50,000,000	0	55,000,000
TOTAL	16,639,000	3,715,000	103,605,000	3,250,000	3,050,000	130,259,000

Funding Requirements

Facility Improvement Allowance	750,000	750,000	750,000	750,000	750,000	3,750,000
Airport Master Plan and Airport Layout Plan	2,200,000	0	0	0	0	2,200,000
Mobile Application Development	400,000	250,000	250,000	250,000	250,000	1,400,000
Airport Access Roadway System	0	0	100,000,000	0	0	100,000,000
Gate 504 Security Improvements	1,800,000	0	0	0	0	1,800,000
Citation Ticket System	30,000	0	0	0	0	30,000
Parking Office Renovation - Hibiscus Garage	500,000	0	0	0	0	500,000
Parking Revenue Control System	650,000	715,000	605,000	250,000	50,000	2,270,000
Aviation's Share of ERP Implementation	3,919,000	0	0	0	0	3,919,000
Federal Aviation Regulation Part 150 Study	1,000,000	0	0	0	0	1,000,000
Automated Taxicab Dispatch Software Module	390,000	0	0	0	0	390,000
Security Infrastructure Project	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
Land Acquisition	5,000,000	0	0	0	0	5,000,000
TOTAL	16,639,000	3,715,000	103,605,000	3,250,000	3,050,000	130,259,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

North Perry Projects

Funding Summary

	Actual Expenses Through FY 14	Modified FY 15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Airport Master Plan and Airport Layout Plan	0	0	700,000	16	0	---	0	---	700,000
Runway 10R-28L Safety Enhancements	0	0	200,000	19	3,800,000	19	0	---	4,000,000

Project Comments

- In FY16, \$700,000 is provided for the North Perry Airport master plan. This plan was last updated in 2008. The Master Plan will address forecasted growth and infrastructure requirements in both the airside and landside of the North Perry Airport and will focus on economic development and sustainable development trends, as well as an evaluation of airfield pavement needs.
- In FY19, \$4 million is provided for runway 10R-28L safety enhancements. This runway is the main runway at the North Perry Airport (HWO). In accordance with the HWO 2009 Airport Master Plan and FDOT's 2012 pavement evaluation study, the pavement's useful life will end in 2019. The scope entails milling and overlay of pavement on the entire runway, replacing runway lighting, electrical duct work, vault upgrades, updating existing incandescent lighting to LED lighting, pavement edge sodding, marking and striping of the pavement.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Aviation Funds/Interest	95,000	0	0	200,000	0	295,000
Federal/State Grants	605,000	0	0	3,800,000	0	4,405,000
TOTAL	700,000	0	0	4,000,000	0	4,700,000
Funding Requirements						
Airport Master Plan and Airport Layout Plan	700,000	0	0	0	0	700,000
Runway 10R-28L Safety Enhancements	0	0	0	4,000,000	0	4,000,000
TOTAL	700,000	0	0	4,000,000	0	4,700,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Airport Expansion Projects

Funding Summary

	Actual Expenses Through FY 14	Modified FY 15 Budget	FY16-20						Total
			Design		Construction		Other		
			FY		FY		FY		
Checked Baggage Inspection System - Terminal 4	281,242	8,854,123	2,000,000	16	23,000,000	16	0	---	34,135,365
New FLL Security Facility	69,910	3,345,090	0	---	10,370,000	16	0	---	13,785,000
Taxiway H Construction	0	0	0	---	12,600,000	19	0	---	12,600,000
Taxiway M Construction	0	0	0	---	12,000,000	19	0	---	12,000,000

Project Comments

- In FY16, \$25 million is provided for the design and construction of an automated checked baggage Inspection System for Terminal 4. This system consists of screening matrices, secondary screening areas, delivery and take-away belts and a physical plant to support the baggage screening operation. The existing baggage screening facility will be modified, which includes upgrading the existing mechanical, electrical, plumbing and life safety systems.
- In FY16, \$10,370,000 is added to funds already provided to build a new facility that will be BCAD's Emergency Operations Center (EOC). The current EOC will be displaced by T-3 Terminal Renovations. The new facility will also consolidate the main security functions for Fort Lauderdale-Hollywood International Airport. BCAD's security and credentialing personnel as well as BSO's airport law enforcement personnel will be headquartered at the new location.
- In FY19, \$12.6 million is provided for the rehabilitation of Taxiway H.
- In FY19, \$12 million is provided for the rehabilitation of Taxiway M.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Aviation Funds/Interest	25,801,000	0	0	12,300,000	0	38,101,000
Federal/State Grants	2,784,000	0	0	12,300,000	0	15,084,000
Loans Issued/Bonds	6,785,000	0	0	0	0	6,785,000
TOTAL	35,370,000	0	0	24,600,000	0	59,970,000

Funding Requirements

Checked Baggage Inspection Sys-Terminal 4	25,000,000	0	0	0	0	25,000,000
New FLL Security Facility	10,370,000	0	0	0	0	10,370,000
Taxiway H Construction				12,600,000		12,600,000
Taxiway M Construction				12,000,000		12,000,000
TOTAL	35,370,000	0	0	24,600,000	0	59,970,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Reserves

Funding Summary

	Actual Expenses Through FY 14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Aviation Reserves	N/A	N/A	0	---	0	---	96,631,850	MY	96,631,850

Project Comments

- The Aviation capital budget includes approximately \$19 million in reserves, which are carried over each year for contingencies.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Aviation Funds/Interest	18,970,200	19,157,430	19,328,320	19,500,830	19,675,070	96,631,850
TOTAL	18,970,200	19,157,430	19,328,320	19,500,830	19,675,070	96,631,850
 <u>Funding Requirements</u>						
Aviation Reserves	18,970,200	19,157,430	19,328,320	19,500,830	19,675,070	96,631,850
TOTAL	18,970,200	19,157,430	19,328,320	19,500,830	19,675,070	96,631,850

BROWARD COUNTY CAPITAL BUDGET**AVIATION RENEWAL AND REPLACEMENT FUND (4020)**

REVENUES	<u>FY16</u>
Interest Income	15,130
Less 5%	(760)
Transfer from Aviation Operating Fund (4010)	5,181,000
Fund Balance	1,513,360
Bond Proceeds	25,000,000
TOTAL	\$31,708,730

APPROPRIATIONS	
Terminal 4 Federal Inspection Service (FIS) Facility	25,000,000
Vehicle Replacement	295,000
Equipment Replacement	1,551,000
Information Technology Software & Services Renewal and Replacement	375,000
Information Systems Renewal & Replacement	2,110,000
Tenant Relocations	500,000
Matrix Access System Reader Replacement	350,000
Reserves	1,527,730
TOTAL	\$31,708,730

AVIATION FACILITIES IMPROVEMENTS AND DEVELOPMENT FUND (4040)

REVENUES	<u>FY16</u>
Interest Income	19,210
Less 5%	(960)
Federal Grant - FAA	2,450,000
State Grants	275,000
Transfer from Aviation Operating Fund (4010)	8,913,570
Fund Balance	1,916,470
Bond Proceeds	5,000,000
TOTAL	\$18,573,290

APPROPRIATIONS	
Facility Improvement Allowance	750,000
Airport Master Plan and Airport Layout Plan	2,200,000
Mobile Application Development	400,000
Gate 504 Security Improvements	1,800,000
Citation Ticket System	30,000
Parking Office Renovation - Hibiscus Garage	500,000
Parking Revenue Control System	650,000
Aviation's Share of ERP Implementation	3,919,000
Federal Aviation Regulation Part 150 Study	1,000,000
Automated Taxicab Dispatch Software Module	390,000
Land Acquisition	5,000,000
Reserves	1,934,290
TOTAL	\$18,573,290

AVIATION DISCRETIONARY FUND (4050)

		<u>FY16</u>
REVENUES		
Fund Balance		2,990,840
	TOTAL	\$2,990,840

APPROPRIATIONS

Other Restricted Reserves		2,990,840
	TOTAL	\$2,990,840

AVIATION NORTH PERRY FUND (4070)

		<u>FY16</u>
REVENUES		
Interest Earnings		3,340
Less 5%		(170)
Transfer from Aviation Operating Fund (4010)		95,000
Federal Grant		270,000
State Grant		335,000
Fund Balance		333,630
	TOTAL	\$1,036,800

APPROPRIATIONS

Airport Master Plan and Airport Layout Plan		700,000
Reserves		336,800
	TOTAL	\$1,036,800

AVIATION AIRPORT EXPANSION PROGRAM 3 FUND (4221)

FY16

REVENUES

Interest Earnings	119,610
Less 5%	(5,970)
Federal Grants (TSA)	2,784,320
Transfer from PFC Fund (4080)	22,215,680
Transfer from Aviation Operating Fund (4010)	3,585,000
Bond Proceeds	6,785,000
Fund Balance	11,927,340
TOTAL	\$47,410,980

APPROPRIATIONS

Checked Baggage Inspection System - Terminal 4	25,000,000
New FLL Security Facility	10,370,000
Reserves	12,040,980
TOTAL	\$47,410,980

RUNWAY 9R/27L EXTENSION AND ENABLING PROJECTS FUND (4400)

FY16

REVENUES

Interest Earnings	1,380
Less 5%	(70)
Fund Balance	138,250
TOTAL	\$139,560

APPROPRIATIONS

Reserves	139,560
TOTAL	\$139,560

PORT EVERGLADES CAPITAL

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
REVENUES					
State Grants*	30,222,000	35,562,000	2,000,000	35,750,000	2,000,000
Interest Income	400,000	400,000	400,000	400,000	400,000
Less 5%	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Bond Proceeds/Financing	53,602,080	99,836,020	140,077,480	68,096,380	49,115,030
Transfer from Operating Fund	47,472,980	45,020,000	45,020,000	45,020,000	45,020,000
Fund Balance	46,838,700	0	0	0	0
TOTAL REVENUES	<u>\$178,515,760</u>	<u>\$180,798,020</u>	<u>\$187,477,480</u>	<u>\$149,246,380</u>	<u>\$96,515,030</u>

*Included in the FY16-20 Capital Improvement Plan Budget are grant revenues from the State of Florida representing 75% cost share for the Southport Turning Notch Extension project pursuant to the Strategic Port Investment Initiative.

APPROPRIATIONS**General Infrastructure Facilities**

Miscellaneous Infrastructure Improvements	3,000,000	500,000	500,000	500,000	500,000
Utility Infrastructure Improvements	550,000	550,000	550,000	550,000	550,000
Annual Fender, Mooring & Bollard Improvements	500,000	500,000	500,000	500,000	500,000
Port Capital Maintenance	1,000,000	1,000,000	1,000,000	1,000,000	100,000
Subtotal	<u>5,050,000</u>	<u>2,550,000</u>	<u>2,550,000</u>	<u>2,550,000</u>	<u>1,650,000</u>

2014 Master Plan Projects - Midport

Cruise Terminal 25	12,500,000	12,500,000	0	0	0
Multimodal Facility - Phase 1	0	1,500,000	1,500,000	16,000,000	21,800,000
New Bulkheads at Berths 16, 17, & 18	0	1,150,000	1,150,000	11,600,000	11,600,000
New Bulkheads at Berths 21 & 22	0	0	1,900,000	9,300,000	9,300,000
Subtotal	<u>12,500,000</u>	<u>15,150,000</u>	<u>4,550,000</u>	<u>36,900,000</u>	<u>42,700,000</u>

2014 Master Plan Projects - Northport Improvements

Terminal 4 Parking Garage	0	0	0	2,000,000	17,000,000
New Bulkheads at Berths 1, 2 & 3	1,150,000	1,150,000	11,300,000	11,300,000	0
Neo-Bulk Storage Area	3,500,000	3,500,000	0	0	0
Slip 1 New Bulkheads at Berths 9 & 10	30,950,000	30,950,000	0	0	0
Slip 3 Berths 14 & 15	0	0	0	0	7,500,000
Subtotal	<u>35,600,000</u>	<u>35,600,000</u>	<u>11,300,000</u>	<u>13,300,000</u>	<u>24,500,000</u>

PORT EVERGLADES CAPITAL

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
<u>2014 Master Plan Projects - Southport Improvements</u>					
Southport Turning Notch Expansion - Contracts 1 & 2	56,750,000	36,750,000	71,052,750	0	0
Mitigation for Westlake Improvements (Southport Turning Notch)	1,187,070	0	0	0	0
Super Post Panamax Cranes	7,500,000	7,500,000	0	0	0
McIntosh Gate Improvement	1,420,000	0	0	0	0
Phase 9a Container Yard	0	900,000	8,800,000	0	0
Container Yards Densification/Improvements	0	0	3,000,000	15,350,000	15,350,000
FPC/FSTED Grant Administrative	50,000	50,000	50,000	50,000	50,000
Subtotal	<u>66,907,070</u>	<u>45,200,000</u>	<u>82,902,750</u>	<u>15,400,000</u>	<u>15,400,000</u>
<u>2014 Master Plan Projects - Portwide</u>					
ACOE Deepening & Widening	0	45,000,000	68,750,000	68,750,000	0
Mitigation for Westlake (ACOE Deepening & Widening)	9,500,000	0	0	0	0
Subtotal	<u>9,500,000</u>	<u>45,000,000</u>	<u>68,750,000</u>	<u>68,750,000</u>	<u>0</u>
<u>Other Port Capital</u>					
Annual Crane Parts & Support	300,000	300,000	300,000	300,000	300,000
Annual Spare Parts for Loading Bridges	100,000	100,000	100,000	100,000	100,000
Crane Improvements/Replacements	250,000	5,000,000	5,600,000	600,000	0
General Architectural/Engineering Services	300,000	300,000	300,000	300,000	300,000
General Terminal Improvements	2,240,000	2,000,000	2,000,000	2,000,000	2,000,000
In-House Labor & Overhead	600,000	778,000	778,000	778,000	778,000
Inlet Management Plan	3,420,000	0	0	0	0
Matching Funds for Port Security	1,101,000	440,000	305,000	160,000	610,000
Miscellaneous Terminal Improvements	1,735,000	1,000,000	1,000,000	1,000,000	1,000,000
New Public Works Facility Building	0	3,600,000	0	0	0
New Electrical Sub-Station	15,000,000	0	0	0	0
Port Information Technology Systems	494,000	130,000	105,000	105,000	105,000
Renew/Replace Equipment	2,124,700	1,093,000	1,065,000	1,065,000	1,065,000
Seaport Engineering & Construction Division Expenses	2,143,990	2,157,020	2,221,730	2,288,380	2,357,030
Southport Gantry Cranes Civil/Electrical/Site	15,500,000	16,750,000	0	0	0
Terminal 18 Meg & Tunnel Modifications	650,000	650,000	650,000	650,000	650,000
Subtotal	<u>45,958,690</u>	<u>34,298,020</u>	<u>14,424,730</u>	<u>9,346,380</u>	<u>9,265,030</u>

PORT EVERGLADES CAPITAL

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
<u>Reserves</u>					
Reserve for Renewal/Replacement	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Subtotal	<u>3,000,000</u>	<u>3,000,000</u>	<u>3,000,000</u>	<u>3,000,000</u>	<u>3,000,000</u>
TOTAL APPROPRIATIONS	<u>\$ 178,515,760</u>	<u>\$ 180,798,020</u>	<u>\$ 187,477,480</u>	<u>\$ 149,246,380</u>	<u>\$ 96,515,030</u>

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Port Everglades

PROJECT

General Infrastructure Facilities

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Miscellaneous Infrastructure Improvements	N/A	N/A	0	--	0	--	5,000,000	MY	5,000,000
Utility Infrastructure Improvements	N/A	N/A	0	--	0	--	2,750,000	MY	2,750,000
Annual Fender, Mooring & Bollard Improvements	N/A	N/A	0	--	0	--	2,500,000	MY	2,500,000
Port Capital Maintenance	N/A	N/A	0	--	0	--	4,100,000	MY	4,100,000

Project Comments

- Funding is provided annually for routine maintenance and improvements for electrical, water and sewer systems, lighting, paved areas, seawalls, piers and docks. In addition, annual funding is provided for upgrades and improvements to the existing fender and mooring systems which protect berths and bulkheads from direct contact with ships.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	5,050,000	2,550,000	2,550,000	2,550,000	1,650,000	14,350,000
TOTAL	5,050,000	2,550,000	2,550,000	2,550,000	1,650,000	14,350,000
<u>Funding Requirements</u>						
Miscellaneous Infrastructure Improvements	3,000,000	500,000	500,000	500,000	500,000	5,000,000
Utility Infrastructure Improvements	550,000	550,000	550,000	550,000	550,000	2,750,000
Annual Fender, Mooring & Bollard Improvements	500,000	500,000	500,000	500,000	500,000	2,500,000
Port Capital Maintenance	1,000,000	1,000,000	1,000,000	1,000,000	100,000	4,100,000
TOTAL	5,050,000	2,550,000	2,550,000	2,550,000	1,650,000	14,350,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
2014 Master Plan - Midport Improvements

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Cruise Terminal 25	0	1,400,000	0	--	25,000,000	MY	0	--	26,400,000
Multimodal Facility - Phase 1	0	0	1,500,000	17	39,300,000	MY	0	--	40,800,000
New Bulkheads at Berths 16, 17, & 18	0	0	2,300,000	MY	23,200,000	MY	0	--	25,500,000
New Bulkheads at Berths 21 & 22	0	0	1,900,000	18	18,600,000	MY	0	--	20,500,000

Project Comments

- \$25 million is programmed for improvements to Cruise Terminal 25 to accommodate larger passenger ships including increasing the baggage-handling area.
- \$40.8 million is appropriated in FY17-20 for the design and construction of a multimodal center centrally located for the loading and unloading of buses, shuttles, and taxis. This center will also provide 4,000 additional parking spaces at Midport.
- \$46 million is programmed over the next five years to replace existing bulkheads at Berths 16, 17, 18, 21 and 22.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	10,672,980	15,150,000	4,550,000	5,730,000	15,404,970	51,507,950
Bond Proceeds/Financing	1,827,020	0	0	31,170,000	27,295,030	60,292,050
TOTAL	12,500,000	15,150,000	4,550,000	36,900,000	42,700,000	111,800,000

Funding Requirements

Cruise Terminal 25	12,500,000	12,500,000	0	0	0	25,000,000
Multimodal Facility - Phase 1	0	1,500,000	1,500,000	16,000,000	21,800,000	40,800,000
New Bulkheads at Berths 16, 17, & 18	0	1,150,000	1,150,000	11,600,000	11,600,000	25,500,000
New Bulkheads at Berths 21 & 22	0	0	1,900,000	9,300,000	9,300,000	20,500,000
TOTAL	12,500,000	15,150,000	4,550,000	36,900,000	42,700,000	111,800,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Port Everglades

PROJECT

2014 Master Plan - Northport Improvements

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Terminal 4 Parking Garage	0	0	2,000,000	19	17,000,000	20	0	--	19,000,000
New Bulkheads at Berths 1, 2,3	0	4,500,000	2,300,000	MY	22,600,000	MY	0	--	29,400,000
Neo-Bulk Storage Area	0	700,000	0	---	7,000,000	MY	0	--	7,700,000
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	0	22,030,000	0	---	61,900,000	MY	0	--	83,930,000
Slip 3 Berths 14 & 15	0	0	0	---	7,500,000	20	0	---	7,500,000

Project Comments

- \$19 million is programmed for a new 1,680 space parking garage located west of terminal 4.
- Over the 5 year capital program, \$24.9 million is programmed for the replacement of existing bulkheads at Berths 1,2, and 3.
- \$7 million is programmed in FY16-17 for the development of a new liquid bulk terminal at the port.
- \$69.4 million is programmed in FY16-20 for the construction of new bulkheads at Berths 9, 10, 14 and 15.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	6,000,000	0	0	11,373,620	2,680,000	20,053,620
State Grants*	0	6,000,000	0	0	0	6,000,000
Bond Proceeds/Financing	29,600,000	29,600,000	11,300,000	1,926,380	21,820,000	94,246,380
TOTAL	35,600,000	35,600,000	11,300,000	13,300,000	24,500,000	120,300,000

Funding Requirements

Terminal 4 Parking Garage	0	0	0	2,000,000	17,000,000	19,000,000
New Bulkheads at Berths 1, 2,3	1,150,000	1,150,000	11,300,000	11,300,000	-	24,900,000
Neo-Bulk Storage Area	3,500,000	3,500,000	-	0	0	7,000,000
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	30,950,000	30,950,000	-	0	0	61,900,000
Slip 3 Berths 14 & 15	-	0	0	0	7,500,000	7,500,000
TOTAL	35,600,000	35,600,000	11,300,000	13,300,000	24,500,000	120,300,000

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Port Everglades

PROJECT

2014 Master Plan - Southport Improvements

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Southport Turning Notch Expansion-Contracts 1 & 2	9,179,268	96,621,426	0	--	164,552,750	MY	0	--	270,353,444
Mitigation for Westlake Improvements (Southport Turning Notch)	1,463,589	4,900,000	0	--	1,187,070	16	0	--	7,550,659
Super Post Panamax Cranes	1,135,735	19,918,159	0	--	0	--	15,000,000	MY	36,053,894
McIntosh Gate Improvement	0	280,000	0	--	1,420,000	16	0	--	1,700,000
Phase 9a Container Yard	370	8,910,627	0	--	900,000	17	8,800,000	18	18,610,997
Container Yards Densification/Improvement	0	0	3,000,000	18	30,700,000	MY	0	--	33,700,000
FPC/FSTED Grant Administrative Fees	N/A	N/A	0	--	0	--	250,000	MY	250,000

Project Comments

- \$164.5 million is programmed in FY16-18 for the Southport Turning Notch expansion of Berth 30 and the addition of a new berth for the importation of crushed rock aggregate.
- \$1.18 million is budgeted in FY16 for the mitigation of 8.5 acres of mangrove wetland (Westlake) during the construction of the Southport Turning Notch Expansion.
- In FY16 and FY17, \$15 million is programmed for the acquisition of a new post-panama gantry crane to be positioned at the proposed Berth 34/Southport Turning Notch Expansion location.
- \$1.42 million is budgeted in FY16 for modifications to the McIntosh Road Security checkpoint.
- In FY17 and FY18, \$9.7 million is programmed for the design and construction of two new container yards (Phase 9a) located west of the McIntosh Road.
- \$33.7 million is programmed in FY18-20 for the installation of rubber tire gantries to increase container storage densification in the container yard.
- \$250,000 is programmed over 5 years for administrative grant fees associated with the Southport Turning Notch Expansion project.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

Funding Sources	FY16	FY17	FY18	FY19	FY20	TOTAL
Fund Balance/Operating Revenues	26,670,010	15,638,000	22,875,270	15,400,000	15,400,000	95,983,280
State Grants*	27,562,000	29,562,000	0	0	0	57,124,000
Bond Proceeds/Financing	12,675,060	0	60,027,480	0	0	72,702,540
TOTAL	66,907,070	45,200,000	82,902,750	15,400,000	15,400,000	225,809,820

Funding Requirements

Southport Turning Notch Expansion-Contracts 1 & 2	56,750,000	36,750,000	71,052,750	0	0	164,552,750
Mitigation for Westlake Improvements	1,187,070	0	0	0	0	1,187,070
Super Post Panamax Cranes	7,500,000	7,500,000	0	0	0	15,000,000
McIntosh Gate Improvement	1,420,000	0	0	0	0	1,420,000
Phase 9a Container Yard	0	900,000	8,800,000	0	0	9,700,000
Container Yards Densification/Improvement	0	0	3,000,000	15,350,000	15,350,000	33,700,000
FPC/FSTED Grant Administrative Fees	50,000	50,000	50,000	50,000	50,000	250,000
TOTAL	66,907,070	45,200,000	82,902,750	15,400,000	15,400,000	225,809,820

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
2014 Master Plan Projects - Portwide

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
ACOE Deepening & Widening	0	5,500,000	0	--	182,500,000	MY	0	--	188,000,000
Mitigation for Westlake (ACOE Deepening & Widening)	189,053	9,117,150	0	--	9,500,000	16	0	--	18,806,203

Project Comments

- \$182.5 million is programmed over the 5-year capital program to improve navigational channels and deepen the Intracoastal Waterway to allow for larger vessels at Port Everglades.
- \$9.5 million is programmed in FY16 for the construction of Westlake Mitigation for the Army Corp of Engineers (ACOE) Deepening and Widening project.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
State Grants*	0	0	0	33,750,000	0	33,750,000
Bond Proceeds/Financing	9,500,000	45,000,000	68,750,000	35,000,000	0	158,250,000
TOTAL	9,500,000	45,000,000	68,750,000	68,750,000	0	192,000,000
<u>Funding Requirements</u>						
ACOE Deepening & Widening	0	45,000,000	68,750,000	68,750,000	0	182,500,000
Mitigation for Westlake (ACOE Deepening & Widening)	9,500,000	0	0	0	0	9,500,000
TOTAL	9,500,000	45,000,000	68,750,000	68,750,000	0	192,000,000

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
Other Port Capital Improvements

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Annual Crane Parts & Support	N/A	N/A	0	--	0	--	1,500,000	MY	1,500,000
Annual Spare Parts for Loading Bridges	N/A	N/A	0	--	0	--	500,000	MY	500,000
Crane Improvements/Replacements	0	0	0	--	0	--	11,450,000	MY	11,450,000
General Architectural/Engineering Services	N/A	N/A	0	--	0	--	1,500,000	MY	1,500,000
General Terminal Improvements	N/A	N/A	0	--	0	--	10,240,000	MY	10,240,000
In-House Labor & Overhead	N/A	N/A	0	--	0	--	3,712,000	MY	3,712,000
Inlet Management Plan	0	0	0	--	0	--	3,420,000	16	3,420,000
Matching Funds for Port Security Grant	N/A	N/A	0	--	0	--	2,616,000	MY	2,616,000
Miscellaneous Terminal Improvements	N/A	N/A	0	--	0	--	5,735,000	MY	5,735,000
New Public Works Facility Building	0	392,000	0	--	0	--	3,600,000	17	3,992,000
New Electrical Sub-Station	0	0	0	--	15,000,000	16	0	---	15,000,000
Port Information Technology Systems	N/A	N/A	0	---	0	---	939,000	MY	939,000
Renew/Replace Equipment	N/A	N/A	0	---	0	---	6,412,700	MY	6,412,700
Seaport Engineering & Construction Division Expenses	N/A	N/A	0	---	0	---	11,168,150	MY	11,168,150
Southport Gantry Cranes Civil/Electrical/Site	N/A	33,500,000	0	---	0	---	32,250,000	MY	32,250,000
Terminal 18 Meg & Tunnel Modifications	0	4,800,000	0	---	0	---	3,250,000	MY	3,250,000

Project Comments

- \$1.5 million is provided for replacement and improvement for crane parts and support.
- \$500,000 is provided over the course of the 5-year capital program for spare parts for loading bridges, continued maintenance of the port's terminals, buildings and loading bridges.
- \$11.4 million is programmed in FY16-20 for the upgrades of seven cranes, new crane hardware and replacement equipment.
- \$1.5 million is programmed over the course of the 5-year capital program for general architectural and engineering services.
- \$15.9 million is programmed in FY16-20 for general and miscellaneous improvements to cruise terminals.
- In FY16, \$3.4 million is budgeted for the Port's share of the installation of the sand bypass system at the entrance channel to the port.
- In FY17, \$3.6 million is programmed for the construction of a new public works building.
- In FY16, \$15 million is budgeted for the construction of an electrical distribution sub-station to address current and future electrical power needs at the port.
- Annual funding is provided for equipment, software and services to maintain an optimum technological environment. Improved technology will provide for greater operational efficiencies.
- Funding is provided in FY16-20 for the Seaport Engineering and Construction Division. Funding for personal services, on-going operating and one-time capital expenses is provided for the staff of 20, which includes architects, engineers, planners, environmentalists and support staff.
- \$32.2 million is programmed in FY16 and FY17 for the construction of a new waterside and landside girders, upgrades to existing waterside girders and associated civil, electrical and site improvements as well as a new switchgear building for the new Southport cranes.
- Over the course of the 5-year capital program, \$3.2 million is budgeted for modifications to the Terminal 18 passenger loading bridge mobile elevated gangways (MEG) and adds length to the fixed tunnel connecting Terminal 18 to cruise ships.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

Funding Sources	FY16	FY17	FY18	FY19	FY20	TOTAL
Fund Balance/Operating Revenues	43,298,690	9,062,000	12,424,730	7,346,380	7,265,030	79,396,830
State Grants*	2,660,000	0	2,000,000	2,000,000	2,000,000	8,660,000
Bond Proceeds/Financing	0	25,236,020	0	0	0	25,236,020
TOTAL	45,958,690	34,298,020	14,424,730	9,346,380	9,265,030	113,292,850
Funding Requirements						
Annual Crane Parts & Support	300,000	300,000	300,000	300,000	300,000	1,500,000
Annual Spare Parts for Loading Bridges	100,000	100,000	100,000	100,000	100,000	500,000
Crane Improvements/Replacements	250,000	5,000,000	5,600,000	600,000	0	11,450,000
General Architectural/Engineering Services	300,000	300,000	300,000	300,000	300,000	1,500,000
General Terminal Improvements	2,240,000	2,000,000	2,000,000	2,000,000	2,000,000	10,240,000
In-House Labor & Overhead	600,000	778,000	778,000	778,000	778,000	3,712,000
Inlet Management Plan	3,420,000	0	0	0	0	3,420,000
Matching Funds for Port Security Grant	1,101,000	440,000	305,000	160,000	610,000	2,616,000
Miscellaneous Terminal Improvements	1,735,000	1,000,000	1,000,000	1,000,000	1,000,000	5,735,000
New Public Works Facility Building	0	3,600,000	0	0	0	3,600,000
New Electrical Sub-Station	15,000,000	0	0	0	0	15,000,000
Port Information Technology Systems	494,000	130,000	105,000	105,000	105,000	939,000
Renew/Replace Equipment	2,124,700	1,093,000	1,065,000	1,065,000	1,065,000	6,412,700
Seaport Engineering & Construction Division Expenses	2,143,990	2,157,020	2,221,730	2,288,380	2,357,030	11,168,150
Southport Gantry Cranes Civil/Electrical/Site	15,500,000	16,750,000	0	0	0	32,250,000
Terminal 18 Meg & Tunnel Modifications	650,000	650,000	650,000	650,000	650,000	3,250,000
TOTAL	45,958,690	34,298,020	14,424,730	9,346,380	9,265,030	113,292,850

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
Port Everglades Reserves

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20			Total
			Design FY	Construction FY	Other FY	
Reserve for Renewal/Replacement	N/A	N/A	0 --	0 --	15,000,000 MY	15,000,000

Project Comments

- \$15 million is programmed for reserve for renewal and replacement over the 5 year capital program.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
TOTAL	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Funding Requirements						
Reserve for Renewal/Replacement	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
TOTAL	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000

WATER AND WASTEWATER CAPITAL

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
REVENUES					
User Fees	22,715,190	24,294,850	28,897,780	33,067,300	16,339,000
Capital Recovery Charges	2,000,000	2,000,000	2,000,000	1,700,000	1,700,000
Future Bond Proceeds	61,600,000	98,400,000	47,250,000	91,550,000	6,000,000
TOTAL REVENUES	<u>\$86,315,190</u>	<u>\$124,694,850</u>	<u>\$78,147,780</u>	<u>\$126,317,300</u>	<u>\$24,039,000</u>
APPROPRIATIONS					
<u>Retail Water & Wastewater</u>					
Admin Complex HVAC Improvements	375,000	0	0	0	0
Admin. Complex Roof, Bldgs. 2, 3, 4,5 & 6	0	2,750,000	0	0	0
Admin. Complex Stucco & Painting	770,000	0	0	0	0
Capital Project Support	1,073,370	1,752,040	1,905,920	1,608,000	2,951,000
CIS/Utility Billing System	200,000	0	0	0	0
Davis Isles New Sewers & Water Main Replacement	0	0	140,000	1,540,000	0
Developer Agreement Funding	300,000	300,000	300,000	300,000	300,000
Facilities Security System Upgrades	3,671,340	2,520,210	0	0	0
Facilities Rehabilitation	400,000	400,000	300,000	500,000	300,000
Facility Chlorination System 3B	63,000	456,000	0	0	0
High Service Pump Replacement	118,000	5,064,510	0	0	0
Hillsboro Mile Wastewater System Improvements	0	1,000,000	0	0	0
Hillsboro Pines NIP	20,860	0	0	0	0
Inter-Digital Communications System	1,000,000	0	0	0	0
Intl. Airport Booster Pump Station	0	3,500,000	0	0	0
Lift Station Rehabilitation	1,800,820	1,800,000	1,800,000	1,800,000	1,800,000
Master Pump Station 220 Rehabilitation	0	0	647,450	1,779,980	0
Master Pump Station 221 Rehabilitation	0	3,200,190	0	0	0

BROWARD COUNTY CAPITAL BUDGET

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
Master Pump Station 224 Rehabilitation	2,950,000	0	0	0	0
Master Pump Station 226 Improvements	1,370,000	0	0	0	0
Multi-District Inflow/Infiltration Reduction Program	1,500,000	1,000,000	1,000,000	1,000,000	1,000,000
Potable Water Storage Tank Repairs	2,050,000	0	0	0	0
Rehabilitation of Treatment Units 1A & 2A	1,115,000	115,000	0	0	0
Retail Facility Demolition	945,000	0	0	0	0
Septic Tank Elimination Program	2,200,000	2,200,000	2,200,000	2,200,000	400,000
Short Line Extensions & Relocations	800,000	700,000	500,000	500,000	500,000
Sludge Handling System Improvement WTP 1A & 2A	0	0	3,150,000	0	0
UAZ* 108 Water/Sewer Pipe Improvements	0	0	1,090,000	10,520,000	1,090,000
UAZ* 110/111 Water/ Sewer Pipe Improvements	0	1,700,000	15,820,000	8,720,000	800,000
UAZ* 113 Water/Sewer Pipe Improvements	2,650,000	25,040,000	2,650,000	0	0
UAZ* 122/123 Water/ Sewer Pipe Improvements	868,000	9,385,000	888,000	11,865,000	0
Water Storage Tank 1A2	29,270	0	5,086,640	0	0
Water Storage Tank 1B1	162,000	4,454,800	0	0	0
Water Storage Tank 2A	1,105,400	0	676,000	0	0
Water Storage Tank Facility 3A	0	2,845,540	0	0	0
Water Supply Improv. Alternatives WTP 1A	0	0	0	23,079,320	0
Water System Improvements 3C	0	0	6,000,000	0	10,000,000
Water Treatment Plant Chemical Feed System Improvements	3,050,000	0	0	0	0
Water Treatment Plant Expansion 2A	0	0	0	0	3,336,000
Subtotal	<u>30,587,060</u>	<u>70,183,290</u>	<u>44,154,010</u>	<u>65,412,300</u>	<u>22,477,000</u>
<u>Regional Treatment</u>					
Capital Project Support	1,709,460	1,256,540	978,100	1,535,000	123,000
NRWWTP* Capacity Improvement	6,276,350	0	0	0	0
NRWWTP* Disposal System - Transmission System	9,010,800	42,600,000	0	0	0

BROWARD COUNTY CAPITAL BUDGET

	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>
NRWWTP* - Emergency Power System	0	3,700,000	0	13,000,000	0
NRWWTP* - Facilities Improvements	13,950,000	0	21,808,800	45,000,000	0
NRWWTP* - HVAC System Replacement	1,550,000	0	0	0	0
NRWWTP* Load Center and Motor Control Centers	5,206,200	0	0	0	0
NRWWTP* Modules A, B, and D Fine Bubble Conversion	8,000,000	0	0	0	0
NRWWTP* Rehabilitation	800,000	800,000	800,000	800,000	800,000
NRWWTP* Steel Structure Repair and Replacement	169,560	400,000	0	0	0
Regional Master Meter Improvements	0	0	5,352,300	0	0
Septage Receiving Facility Operations/Admin. Bldg.	1,675,000	0	0	0	0
Subtotal	<u>48,347,370</u>	<u>48,756,540</u>	<u>28,939,200</u>	<u>60,335,000</u>	<u>923,000</u>
<u>Regional Transmission</u>					
Capital Project Support	430,750	205,020	329,570	70,000	139,000
Master Pump Station 450 Improvements	2,200,000	0	0	0	0
Master Pump Station 454 Rehabilitation	250,000	0	3,575,000	0	0
Master Pump Station 456 Improvements	4,000,010	0	0	0	0
Master Pump Station Controls Upgrade	0	3,300,000	0	0	0
Master Pump Stations Rehabilitation	500,000	500,000	500,000	500,000	500,000
Regional Sewer Air Relief Valves	0	750,000	650,000	0	0
Regional Transmission System Master Plan	0	1,000,000	0	0	0
Subtotal	<u>7,380,760</u>	<u>5,755,020</u>	<u>5,054,570</u>	<u>570,000</u>	<u>639,000</u>
*NRWWTP - North Regional Wastewater Treatment Plant					
**UAZ - Utility Analysis Zone					
TOTAL APPROPRIATIONS	<u>\$86,315,190</u>	<u>\$124,694,850</u>	<u>\$78,147,780</u>	<u>\$126,317,300</u>	<u>\$24,039,000</u>

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/Hillsboro Pines Infrastructure Improvements

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Hillsboro Pines Neighborhood Improvements	144,614	6,722,000	20,860	16	0	---	0	---	6,887,474

Project Comments

- The Hillsboro Pines area is located between the Palm Beach County Line, State Road 7, Lyons Road, and Hillsboro Boulevard. There are 180 housing units located in this area with an estimated population of over 450 residents. The neighborhood is currently served with wells and septic tanks.
- Funding is provided from utility revenues for FY16 to construct new water and sewer systems.
- The non-utility portion of the neighborhood improvement project is funded in the Broward Municipal Services District Capital Fund.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Water and Wastewater Revenues	20,860	0	0	0	0	20,860
TOTAL	20,860	0	0	0	0	20,860
<u>Funding Requirements</u>						
Design	20,860	0	0	0	0	20,860
TOTAL	20,860	0	0	0	0	20,860

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Admin Complex HVAC Improvements	23,448	1,453,024	0	---	375,000	16	0	---	1,851,472
Admin. Complex Roof, Bldgs. 2, 3, 4,5 & 6	0	100,000	50,000	17	2,700,000	17	0	---	2,850,000
Admin. Complex Stucco & Painting	0	70,000	70,000	16	700,000	16	0	---	840,000
Capital Project Support	N/A	N/A	0	---	0	---	9,290,330	MY	9,290,330
CIS/Utility Billing System	13	850,000	150,000	16	0	---	50,000	16	1,050,013
Davis Isles New Sewers & Water Main Replacement	0	0	280,000	MY	1,400,000	19	0	---	1,680,000
Developer Agreement Funding	N/A	N/A	0	---	1,500,000	MY	0	---	1,500,000
Facilities Security System Upgrades	0	0	0	---	1,279,820	MY	4,911,730	MY	6,191,550
Facilities Rehabilitation	1,171	200,000	0	---	1,900,000	MY	0	---	2,101,171
Facility Chlorination System 3B	0	0	119,000	MY	400,000	17	0	---	519,000
High Service Pump Replacement	13	520,000	816,000	MY	4,366,510	17	0	---	5,702,523
Hillsboro Mile Wastewater System Improvements	55,024	3,995,008	0	---	1,000,000	17	0	---	5,050,032
Inter-Digital Communications System	0	0	400,000	16	600,000	16	0	---	1,000,000
Intl. Airport Booster Pump Station	0	475,000	0	---	3,500,000	17	0	---	3,975,000
Lift Station Rehabilitation	23,154	515,444	0	---	9,000,820	MY	0	---	9,539,418
Master Pump Station 220 Rehabilitation	971,106	706,011	647,450	18	1,779,980	19	0	---	4,104,547
Master Pump Station 221 Rehabilitation	126,854	1,427,185	0	---	3,200,190	17	0	---	4,754,229
Master Pump Station 224 Rehabilitation	0	100,000	450,000	16	2,500,000	16	0	---	3,050,000
Master Pump Station 226 Improvements	3,759	930,000	20,000	16	1,350,000	16	0	---	2,303,759

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction (Continued)

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Multi-District Inflow/Infiltration Reduction Program	4,434,849	5,586,004	0	---	5,500,000	MY	0	---	15,520,853
Potable Water Storage Tank Repairs	0	150,000	150,000	16	1,900,000	16	0	---	2,200,000
Rehabilitation of Treatment Units 1A & 2A	0	50,000	230,000	MY	1,000,000	16	0	---	1,280,000
Retail Facility Demolition	0	204,000	195,000	16	750,000	16	0	---	1,149,000
Septic Tank Elimination Program	0	0	2,000,000	MY	7,200,000	MY	0	---	9,200,000
Short Line Extensions & Relocations	4,828	382,000	0	---	3,000,000	MY	0	---	3,386,828
Sludge Handling System Improvement WTP 1A & 2A	0	0	650,000	18	2,500,000	18	0	---	3,150,000
UAZ* 108 Water/Sewer Pipe Improvements	0	200,000	2,200,000	MY	10,500,000	19	0	---	12,900,000
UAZ* 110/111 Water/ Sewer Pipe Improvements	0	400,000	5,040,000	MY	22,000,000	MY	0	---	27,440,000
UAZ* 113 Water/Sewer Pipe Improvements	0	400,000	5,340,000	MY	25,000,000	17	0	---	30,740,000
UAZ* 122/123 Water/ Sewer Pipe Improvements	0	210,000	4,506,000	MY	18,500,000	MY	0	---	23,216,000
Water Storage Tank 1A2	319,170	3,849,552	966,270	MY	4,149,640	18	0	---	9,284,632
Water Storage Tank 1B1	82,580	3,271,309	974,000	MY	3,642,800	17	0	---	7,970,689
Water Storage Tank 2A	18,196	4,770,000	802,000	MY	979,400	16	0	---	6,569,596
Water Storage Tank Facility 3A	843,563	6,526,851	867,000	17	1,978,540	17	0	---	10,215,954
Water Supply Improv. Alternatives WTP 1A	4,422,523	7,210,071	0	---	23,079,320	19	0	---	34,711,914
Water System Improvements 3C	0	0	6,000,000	18	10,000,000	20	0	---	16,000,000
Water Treatment Plant Chemical Feed System Improvements	0	0	550,000	16	2,500,000	16	0	---	3,050,000
Water Treatment Plant Expansion 2A	0	0	500,000	20	2,836,000	20	0	---	3,336,000

*Utility Analysis Zone

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction (Continued)

Project Comments

- Funding is provided in FY16 to replace obsolete equipment at the WWS administrative complex by adding energy efficient HVAC system upgrades.
- Funding is provided in FY17 to replace roofing at the WWS Administrative Complex on buildings 2, 3, 4, 5 & 6.
- Funding is provided in FY16 to re-stucco buildings at the WWS Administrative Complex.
- Funding for Capital Project Support reimburses the Water and Wastewater Operating Fund for project management, staff review, and other administration costs of capital projects.
- Funding is provided in FY16 to upgrade or replace the existing Energy system, which will include new hardware for product test, development environments as well as redundancy for business continuity.
- Davis Isles is a neighborhood in the City of Dania Beach. Funding is provided in FY18 and FY19 to construct approximately 3,000 linear feet of sanitary sewer, one lift station, and a short run of force main to serve approximately 80 single family homes. While installing the new sewers, approximately 3,200 linear feet of water main that is near the end of its useful life, will be replaced.
- Funding is provided in FY16-20 for the County's portion of lift stations in developer projects, as needed by the County.
- Funding is provided in FY16 and FY17 to install security systems (surveillance cameras, lighting, card access points, motion and intrusion detection, beam alarms) to provide added safety and physical security to staff and potable water operations, processes, and facilities as outlined in Homeland Security Critical Infrastructure Architecture directives.
- Funding is provided in FY16-20 for required major repairs/replacement of process equipment at the water treatment/distribution facilities that significantly extend the useful life of the equipment. Miscellaneous facility modifications and/or repairs, small consulting studies, and engineering work are also funded from this project to support these facilities.
- Funding is provided in FY16 and FY17 to construct a new sodium hypochlorite chemical feed system and ammonia sulfate chemical feed system at the 3B storage/pumping facility.
- Funding is provided in FY16 and FY17 to replace the obsolete high service pump building at Water Distribution Facility 3A with a building that meets current building codes.
- Funding is provided in FY17 for wastewater transmission system improvements in Service District 2 which includes rehabilitating wastewater pumping stations, and replacing force mains, and gravity sewers as appropriate.
- In FY16, funding is provided to install inter-digital communication systems among Water & Wastewater sites throughout the County. Solutions may include microwave, WiMAX and/or LTE technologies.

- In FY17, funding is provided to construct a water booster pumping and rechlorination station at the Ft. Lauderdale - Hollywood International Airport to enhance water pressure and fire flow capabilities at the airport.
- Funding is provided in FY16 - FY20 for lift station rehabilitation projects to extend their useful life and to avoid sewer overflows.
- Funding is provided in FY18 and FY19 to repair and replace miscellaneous equipment at Master Pump Station 220.
- Funding is provided in FY17 to repair and replace miscellaneous equipment and station improvements at Master Pump Station 221.
- Funding is provided in FY17 to repair and replace miscellaneous equipment and station improvements at Master Pump Station 224.
- Funding is provided in FY17 to engineer, design, and construct improvements and updates to Master Pump Station 226.
- Funding is provided in FY16-20 for the Multi-District Infiltration and Inflow Rehabilitation Project. This project funds the cost-effective reduction of inflow/infiltration in the Water Wastewater retail sewer collection system including the Sewer System Evaluation Study (SSES) and the cost-effective repairs of leaking segments of the sewer system.
- Funding is provided in FY16 to enable completion of identified potable water storage tank repairs at seven locations throughout the service area.
- Funding is provided in FY16 and FY17 to rehabilitate the steel components and interior walls of treatment unit No. 2 at WTP1A and No. 1 and 2 at WTP2A.
- Funding is provided in FY16 to demolish various obsolete water treatment and storage facilities at water treatment plants and distribution facilities. Also, funding is included for general structural improvements at retail facilities, including hurricane hardening.
- Funding is provided over the five-year capital program for sewer main projects for the purpose of eliminating septic tanks.
- Funding is provided in FY16-20 for a variety of small water and sewer main projects, requiring short line extensions and relocations.
- Funding is provided in FY18 to replace/upgrade the aging sludge handling system at WTP 1A and 2A.
- Funding is provided in FY18-FY20 to replace approximately 34,000 linear feet of water main and 34,000 linear feet of sewer main in UAZ 108, which is located in the City of Lauderdale Lakes.
- Funding is provided in FY17-FY20 to replace approximately 72,000 linear feet of water main and 70,000 linear feet of sewer main in UAZ 110 and UAZ 111, which are located in the City of Lauderdale Lakes.

- Funding is provided in FY16-FY18 to replace approximately 80,000 linear feet of water main and 62,000 linear feet of sewer main in UAZ 113, which is in the City of Lauderdale Lakes. The improvement area covers 575 acres.
- For FY16-19 funding is provided to replace approximately 61,000 linear feet of water main and 60,000 linear feet of sewer main in UAZ 122 and UAZ 123, which are in the City of Lauderdale Lakes.
- Funding is provided in FY16 and FY18 to construct a 1.5 million gallon potable water storage tank and new variable speed pumping station to replace the existing obsolete 0.5 million gallon tank and pumping station at Water Distribution Facility 1A2, and 1,400 feet of new 20-inch water main to provide additional water storage and supply capacity for the expanded District 1 service area south of Sunrise Boulevard in the City of Lauderhill.
- Funding is provided in FY16 and FY17 to construct a 2 million gallon potable water storage tank and pumping station with variable speed pumps and emergency power to provide increased potable water storage and pumping capacity at WWS Distribution Facility 1B1. This project is to accommodate projected water demand growth. The tank is located south of McNab Road and west of I-95 in the City of Ft. Lauderdale.
- Funding is provided in FY16 and FY18 for a new 5 million gallon potable water storage tank to replace the existing one million and .5 million gallon water tanks at the Water Plant 2A site to accommodate future demand growth. WTP 2A is located south of NE 54 Street and east of Dixie Highway in the City of Pompano Beach. In addition, repairs will be made to the existing 5 million gallon tank.
- Funding is provided in FY17 for the construction of a 2.5 million gallon concrete potable water ground storage tank and sodium hypochlorite disinfection facility. The District 3A Facility is located south of Griffin Road on SW 40th Avenue in the City of Dania Beach.
- In FY19, funding is provided for the expansion of the treatment capacity of Water Plant 1A to add approximately 6 million gallons per day of reverse osmosis process treatment, based on recommendations from the Alternative Water Supply Master Plan, to meet future demand projections.
- Funding is provided in FY18 and FY20 to improve approximately 223,000 feet of undersized water main, to improve fire protection and to replace about 3800 old galvanized steel service lines which have reached the end of their design life.
- Funding is provided in FY16 to replace the anhydrous ammonia feed system with an aqueous ammonia feed system (Ammonium Sulfate) to eliminate the compressed hazardous gas from all WWS sites. The project also includes other chemical feed system improvements, as needed, based on risk and safety concerns.
- Funding is provided in FY20 for expansion of the treatment capacity of Water Plant 2A to add approximately 6 million gallons per day of reverse osmosis process treatment, based on recommendations from the Alternative Water Supply Master Plan, to meet future demand projections.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Water and Wastewater Revenues	30,587,060	70,183,290	44,154,010	65,412,300	22,477,000	232,813,660
TOTAL	30,587,060	70,183,290	44,154,010	65,412,300	22,477,000	232,813,660
 <u>Funding Requirements</u>						
Design	7,307,270	10,911,000	13,204,450	1,650,000	3,236,000	36,308,720
Construction	19,353,320	55,392,760	29,043,640	62,154,300	15,790,000	181,734,020
Other Capital Costs	3,926,470	3,879,530	1,905,920	1,608,000	3,451,000	14,770,920
TOTAL	30,587,060	70,183,290	44,154,010	65,412,300	22,477,000	232,813,660

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Regional Treatment

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	5,602,100	MY	5,602,100
NRWWTP* Capacity Improvement	5,157,677	88,495,970	0	---	6,276,350	16	0	---	99,929,997
NRWWTP* Disposal System - Transmission System	39,405	7,595,000	10,800	16	49,600,000	MY	2,000,000	17	59,245,205
NRWWTP* - Emergency Power System	0	0	3,700,000	17	13,000,000	19	0	---	16,700,000
NRWWTP* Facilities Improvements	1,172,029	44,582,653	1,333,800	18	79,425,000	MY	0	---	126,513,482
NRWWTP* - HVAC System Replacement	1,912	950,000	400,000	16	1,150,000	16	0	---	2,501,912
NRWWTP* Load Center and Motor Control Centers	210,998	896,906	303,100	16	4,903,100	16	0	---	6,314,104
NRWWTP* Modules A, B, and D Fine Bubble Conversion	18,373	19,232,000	3,400,000	16	4,600,000	16	0	---	27,250,373
NRWWTP* Rehabilitation	128	305,360	500,000	MY	2,500,000	MY	1,000,000	MY	4,305,488
NRWWTP* Steel Structure Repair and Replacement	172,038	16,242,100	269,560	MY	300,000	17	0	---	16,983,698
Regional Master Meter Improvements	97,358	529,304	615,750	18	4,736,550	18	0	---	5,978,962
Septage Receiving Facility Operations/Admin. Bldg.	0	225,000	175,000	16	1,500,000	16	0	---	1,900,000

*NRWWTP - North Regional Wastewater Treatment Plant

Project Comments

- Funding for Capital Project Support reimburses the Water and Wastewater Operating Fund for project management, staff review, and other administration costs of the capital projects.
- Funding is provided in FY16 for planned, phased construction of the North Regional Water Wastewater Treatment Plant's deep injection well disposal system.
- Funding is provided in FY17 and FY18 for the design and construction of a reclaimed water line in northern Broward County.
- Funding is provided in FY17 and FY19 to construct Electrical Distribution Building 2 with two 2.5-megawatt generators to support the reclaimed water plant. The project also includes diesel fuel tanks, dual FPL feeds, a switchgear, and controls.

BROWARD COUNTY CAPITAL BUDGET

- In FY16, FY18, and FY19, funding is provided for miscellaneous infrastructure improvements at the North Regional Water Wastewater Treatment (NRWWTP) facilities.
- In FY16, funding is provided for the replacement of the HVAC system that supports the NRWWTP administration complex and laboratory.
- In FY16, funding is provided for the upgrade and replacement of Load Centers and Motor Control Centers at the NRWWTP facilities.
- Funding is provided in FY16 for the conversion of treatment NRWWTP modules A, B, and D to fine bubble aeration.
- In FY16-20, funding is provided for various rehabilitation projects at the NRWWTP facilities.
- In FY16 and FY17, funding is provided for the repair and replacement of various steel structures at the North Regional Water Wastewater Treatment Plant.
- In FY18, funding is provided for new and upgraded wholesale billing meters, and associated telemetry equipment and improvements.
- In FY16, funding is provided to construct and equip a new Septage Receiving Facility Operations and Administration building.

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Water and Wastewater Revenues	48,347,370	48,756,540	28,939,200	60,335,000	923,000	187,301,110
TOTAL	48,347,370	48,756,540	28,939,200	60,335,000	923,000	187,301,110

Funding Requirements

Design	4,558,460	3,900,000	2,049,550	100,000	100,000	10,708,010
Construction	41,879,450	43,400,000	25,711,550	58,500,000	500,000	169,991,000
Other Capital Costs	1,909,460	1,456,540	1,178,100	1,735,000	323,000	6,602,100
TOTAL	48,347,370	48,756,540	28,939,200	60,335,000	923,000	187,301,110

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Regional Transmission

Funding Summary

	Actual Expenses Through FY14	Modified FY15 Budget	FY16-20						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	1,174,340	MY	1,174,340
Master Pump Station 450 Improvements	422,918	4,853,660	400,000	MY	1,800,000	16	0	---	7,476,578
Master Pump Station 454 Rehabilitation	289	125,000	450,000	MY	3,375,000	18	0	---	3,950,289
Master Pump Station 456 Improvements	282,253	673,329	0	---	4,000,010	16	0	---	4,955,592
Master Pump Station Controls Upgrade	103,642	660,794	0	---	3,300,000	17	0	---	4,064,436
Master Pump Stations Rehabilitation	128	815,000	250,000	MY	1,750,000	MY	500,000	MY	3,315,128
Regional Sewer Air Relief Valves	0	750,000	100,000	17	1,300,000	MY	0	---	2,150,000
Regional Transmission System Master Plan	0	0	1,000,000	17	0	---	0	---	1,000,000

Project Comments

- Funding for capital project support reimburses the Water Wastewater operating fund for project management, staff review, and other administration costs of the capital projects.
- Funding is provided in FY16 for construction, as necessary, for improvements and updating of Master Pump Station 450.
- In FY16 and FY18, funding is provided for the repair and replacement of miscellaneous equipment and station improvements at Master Pump Station 454.
- Funding is provided in FY16 for repairs and replacement of miscellaneous equipment and conversion to an in-line booster from an open wet well at Pump Station 456.
- Funding is provided in FY17 to upgrade the existing Master Pump Station control equipment and programming software.
- Funding is provided over the five-year capital program for improvement, renewal, and replacement of equipment related to the Master Pump Station facilities serving the North Regional Wastewater Treatment System.
- Funding is provided during FY17-18 for the installation of 123 air relief valves in maintenance access structures with incidental restoration work for roadway, sidewalk, curb, and swale areas.
- Funding is provided in FY17 for a comprehensive evaluation of pipe condition to enable prioritization of pipe replacement and detection of hidden vulnerabilities in the North Regional Wastewater System.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

<u>Funding Sources</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>TOTAL</u>
Water and Wastewater	7,380,760	5,755,020	5,054,570	570,000	639,000	19,399,350
TOTAL	7,380,760	5,755,020	5,054,570	570,000	639,000	19,399,350
 <u>Funding Requirements</u>						
Design	700,000	150,000	250,000	50,000	50,000	1,200,000
Construction	4,350,010	4,300,000	4,375,000	350,000	350,000	13,725,010
Other Capital Costs	2,330,750	1,305,020	429,570	170,000	239,000	4,474,340
TOTAL	7,380,760	5,755,020	5,054,570	570,000	639,000	19,399,350