

**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.

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**BROWARD COUNTY CAPITAL BUDGET****AVIATION CAPITAL**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
<b>REVENUES</b>					
Interest Income	174,840	176,790	178,180	179,880	181,590
Less 5%	(8,730)	(8,840)	(8,910)	(9,000)	(9,080)
Transfers from Aviation Funds *	26,236,400	5,175,400	12,636,000	5,970,500	5,900,000
Fund Balance	20,484,000	20,678,600	20,846,550	21,015,820	21,186,690
Federal Grants	10,491,940	1,800,000	1,800,000	2,925,000	18,900,000
State Grants	587,500	0	0	0	52,450,000
Bond Proceeds/Future Passenger Facility Charge-Backed Financing	71,950,000	0	14,220,000	0	50,000,000
<b>TOTAL REVENUES</b>	<b><u>\$129,915,950</u></b>	<b><u>\$27,821,950</u></b>	<b><u>\$49,671,820</u></b>	<b><u>\$30,082,200</u></b>	<b><u>\$148,609,200</u></b>
<b>APPROPRIATIONS</b>					
<u>Renewal and Replacement</u>					
Rehabilitation of North Airfield	27,900,000	0	0	0	0
Terminal 4 Federal Inspection Service (FIS)	25,000,000	0	0	0	0
Rehabilitation of Rental Car Center, Hibiscus and Palm Garages	6,150,000	0	0	0	0
FLL Facilities Rehabilitation & Renovations	3,400,000	0	0	0	0
Vehicle Replacement	271,000	150,000	175,000	245,000	200,000
Equipment Replacement	1,343,500	746,000	976,000	640,500	700,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 310 Replacement	1,200,000	0	0	0	0
Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement	0	0	0	1,500,000	0
Radio Replacement	1,200,000	0	0	0	0
Runway Friction Tester Replacement	130,000	0	0	0	0
FLL Stormwater Upgrades	1,500,000	0	14,220,000	0	0
Information Technology Software & Services Renewal and Replacement	375,000	375,000	375,000	375,000	375,000
Information Systems Renewal & Replacement	960,000	2,110,000	3,160,000	2,885,000	1,225,000
FLL Utilities Upgrade	11,900,000	0	0	0	0
Tenant Relocations	0	500,000	0	500,000	0
Matrix Access System Reader Replacement	0	344,400	0	0	0
<b>Subtotal</b>	<b><u>81,329,500</u></b>	<b><u>4,225,400</u></b>	<b><u>18,906,000</u></b>	<b><u>6,145,500</u></b>	<b><u>2,500,000</u></b>
<u>Improvement and Development</u>					
Facility Improvement Allowance	750,000	750,000	750,000	750,000	750,000
Noise Monitor Installation	150,000	0	0	0	0

**BROWARD COUNTY CAPITAL BUDGET****AVIATION CAPITAL**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
Airport Access Roadway System	0	0	0	0	100,000,000
Authorized Vendor Program	70,000	0	0	0	0
Closed Circuit TV System	1,900,000	0	0	0	0
Next Bus Signage and Automatic Vehicle Locator Enhancements	40,000	0	0	0	0
Shuttle Fleet Replacement	0	0	7,000,000	0	0
Parking Revenue Control System	3,500,000	0	0	0	0
Aviation's Share of ERP Implementation	2,000,000	0	0	0	0
Federal Aviation Regulation Part 150 Study	1,500,000	0	0	0	0
Geographic Information System	3,731,000	0	0	0	0
Security Infrastructure Project	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Terminal Roadway Improvement	10,000,000	0	0	0	0
<b>Subtotal</b>	<b><u>25,641,000</u></b>	<b><u>2,750,000</u></b>	<b><u>9,750,000</u></b>	<b><u>2,750,000</u></b>	<b><u>102,750,000</u></b>
<u>North Perry Projects</u>					
Rehab Apron Pavement	1,170,340	0	0	0	0
Security Enhancements for Access Control	125,000	0	0	0	0
Environmental Assessment	1,000,000	0	0	0	0
Runway 10R-28L Safety Enhancements	0	0	0	0	4,000,000
<b>Subtotal</b>	<b><u>2,295,340</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>4,000,000</u></b>
<u>Airport Expansion Projects</u>					
Taxiway H Construction	0	0	0	0	6,000,000
Taxiway M Construction	0	0	0	0	12,000,000
<b>Subtotal</b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>\$18,000,000</u></b>
<u>Reserves</u>					
Reserves	20,650,110	20,846,550	21,015,820	21,186,700	21,359,200
<b>Subtotal</b>	<b><u>20,650,110</u></b>	<b><u>20,846,550</u></b>	<b><u>21,015,820</u></b>	<b><u>21,186,700</u></b>	<b><u>21,359,200</u></b>
<b>TOTAL APPROPRIATIONS</b>	<b><u>\$129,915,950</u></b>	<b><u>\$27,821,950</u></b>	<b><u>\$49,671,820</u></b>	<b><u>\$30,082,200</u></b>	<b><u>\$148,609,200</u></b>

\* Net of internal transfers

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Renewal and Replacement

**Funding Summary**

	Actual Expenses Through FY 13	Modified FY 14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Rehabilitation of North Airfield Pavements	0	2,100,000	0	---	27,900,000	15	0	---	30,000,000
Terminal 4 Federal Inspection Service (FIS)	0	100	2,600,000	15	19,000,000	15	3,400,000	15	25,000,100
Rehabilitation of Rental Car Center, Hibiscus and Palm Garages	113,613	1,736,387	800,000	15	5,150,000	15	200,000	15	8,000,000
FLL Facilities Rehabilitation & Renovations	0	0	400,000	15	3,000,000	15	0	---	3,400,000
Vehicle Replacement	637,899	830,009	0	---	0	---	1,041,000	MY	2,508,908
Equipment Replacement	583,589	1,799,877	0	---	0	---	4,406,000	MY	6,789,466
Aircraft Rescue and Fire Fighting (ARFF) Truck 310 Replacement	0	0	0	---	0	---	1,200,000	15	1,200,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement	0	0	0	---	0	---	1,500,000	18	1,500,000
Radio Replacement	0	0	0	---	0	---	1,200,000	15	1,200,000
Runway Friction Tester Replacement	0	70,000	0	---	0	---	130,000	15	200,000
FLL Stormwater Upgrades	18,728	761,272	1,000,000	15	14,220,000	17	500,000	15	16,500,000
Information Technology Software & Services Renewal and Replacement	357,456	269,973	0	---	0	---	1,875,000	MY	2,502,429
Information Systems Renewal & Replacement	1,969,147	1,103,427	0	---	0	---	10,340,000	MY	13,412,574
FLL Utilities Upgrade	3,605,934	10,878,368	1,000,000	15	9,900,000	15	1,000,000	16	26,384,302
Tenant Relocations	2,340,450	1,459,551	0	---	0	---	1,000,000	MY	4,800,001
Matrix Access System Reader Replacement	0	0	0	---	0	---	344,400	16	344,400

**Project Comments**

- In FY15, \$27.9 million is 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 rehabilitation is undertaken 10 years after the runway was milled and overlaid.

- In FY15, \$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 FY15, \$6.15 million is provided to rehabilitate the Rental Car Center (RCC) and the Hibiscus and Palm Garages. The Hibiscus Garage was completed in 2000, the Palm Garage in 1983, and the Rental Car Facility in 2005. As such, the garage facilities and infrastructure need repair work beyond basic maintenance. The first phase of the work will be to conduct a facility inspection and report on the condition of the facilities. More efficient electrical power and cooling systems in the RCC can be incorporated, reducing operating expenses and improving sustainability.
- In FY15, a total of \$3.4 million is provided to prepare a building facilities assessment in order to maintain the integrity and serviceability of existing buildings. Fifty-six buildings are being inspected by a team of architects and engineers to evaluate the condition of each building, to determine repairs needed to maintain the building integrity, to perform repair cost estimates, to prioritize needed repairs, and to prepare a report documenting the team findings and recommendations. The report will categorize the needed repairs between the Capital Improvement Program (CIP), Maintenance, and Tenant responsibilities. Based on the report recommendations, building repairs recommended for the CIP will be included in bid packages that will be spread out over a period of five years.
- In FY15 - FY19, \$1,041,000 is provided for the replacement of vehicles.
- In FY15 - FY19, \$4.4 million is provided for the replacement of various pieces of equipment that have reached their service life.
- In FY15, \$1.2 million is provided to replace an existing Aircraft Rescue and Fire Fighting (ARFF) truck 310, which is ten years old.
- 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.
- In FY15, \$1.2 million is provided for the replacement of radios. Current discussions involve gradually moving towards a digital system which can incorporate some existing analog radios depending upon their age. Currently, 51% of Aviation radio assets will not be compatible with the proposed digital P25 system being discussed. New radios cost approximately \$4,000 each with base radios, such as those used in the Airport Operations Control Center, costing approximate \$10,000 each.
- In FY15, an additional \$130,000 is provided to replace the current runway friction tester. The FAA provides guidance to airports for runway friction testing intervals and recommends that this testing be conducted every two weeks on runways such as those at Fort Lauderdale-Hollywood International Airport (FLL), with between 151-210 turbojet landings per day.
- In FY15 - FY17, \$15.7 million is 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 FY15 - F19, \$1.875 million is provided for information technology software & services renewal and replacement.

- In FY15 - F19, \$10.34 million is provided for information systems (hardware) renewal and replacement.
- In FY15, \$11.9 million is provided for FLL utilities upgrades based on completed Utility Master Plans. Due to the South Runway expansion and other planned development at FLL, it will be necessary to achieve required and desired water, wastewater, information technology communication, fuel system, and electrical upgrades to satisfy future developments, capacity demand, and Level of Service (LOS) for future years.
- 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, \$344,400 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.

**BROWARD COUNTY CAPITAL BUDGET**

**Funding Schedule**

<b>Funding Sources</b>	<b>FY15</b>	<b>FY16</b>	<b>FY17</b>	<b>FY18</b>	<b>FY19</b>	<b>TOTAL</b>
Fund Balance/Aviation Funds/Interest	8,879,500	4,225,400	4,686,000	5,020,500	2,500,000	25,311,400
Federal Grants	4,000,000	0	0	1,125,000	0	5,125,000
Loans Issued/Bonds	68,450,000	0	14,220,000	0	0	82,670,000
<b>TOTAL</b>	<b>81,329,500</b>	<b>4,225,400</b>	<b>18,906,000</b>	<b>6,145,500</b>	<b>2,500,000</b>	<b>113,106,400</b>

**Funding Requirements**

Rehabilitation of North Airfield Pavements	27,900,000	0	0	0	0	27,900,000
Terminal 4 Federal Inspection Service (FIS)	25,000,000	0	0	0	0	25,000,000
Rehabilitation of Rental Car Center, Hibiscus and Palm Garages	6,150,000	0	0	0	0	6,150,000
FLL Facilities Rehabilitation & Renovations	3,400,000	0	0	0	0	3,400,000
Vehicle Replacement	271,000	150,000	175,000	245,000	200,000	1,041,000
Equipment Replacement	1,343,500	746,000	976,000	640,500	700,000	4,406,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 310 Replacement	1,200,000	0	0	0	0	1,200,000
Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement	0	0	0	1,500,000	0	1,500,000
Radio Replacement	1,200,000	0	0	0	0	1,200,000
Runway Friction Tester Replacement	130,000	0	0	0	0	130,000
FLL Stormwater Upgrades	1,500,000	0	14,220,000	0	0	15,720,000
Information Technology Software & Services Renewal and Replacement	375,000	375,000	375,000	375,000	375,000	1,875,000
Information Systems Renewal & Replacement	960,000	2,110,000	3,160,000	2,885,000	1,225,000	10,340,000
FLL Utilities Upgrade	11,900,000	0	0	0	0	11,900,000
Tenant Relocations	0	500,000	0	500,000	0	1,000,000
Matrix Access System Reader Replacement	0	344,400	0	0	0	344,400
<b>TOTAL</b>	<b>81,329,500</b>	<b>4,225,400</b>	<b>18,906,000</b>	<b>6,145,500</b>	<b>2,500,000</b>	<b>113,106,400</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Improvement and Development

**Funding Summary**

	Actual Expenses Through FY 13	Modified FY 14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Facility Improvement Allowance	1,010,858	1,239,144	0	---	0	---	3,750,000	MY	6,000,002
Noise Monitor Installation	0	0	0	---	0	---	150,000	15	150,000
Airport Access Roadway System	0	0	0	---	0	---	100,000,000	19	100,000,000
Authorized Vendor Program	0	0	0	---	0	---	70,000	15	70,000
Closed Circuit TV System	0	100,000	0	---	1,900,000	15	0	---	2,000,000
Next Bus Signage and Automatic Vehicle Locator Enhancements	0	0	40,000	15	0	---	0	---	40,000
Shuttle Fleet Replacement	0	0	0	---	0	---	7,000,000	17	7,000,000
Parking Revenue Control System	0	0	0	---	2,422,000	15	1,078,000	15	3,500,000
Aviation's Share of ERP Implementation	114,570	2,885,430	0	---	0	---	2,000,000	15	5,000,000
Federal Aviation Regulation Part 150 Study	0	0	1,500,000	15	0	---	0	---	1,500,000
Geographic Information System	215,221	1,053,781	0	---	0	---	3,731,000	15	5,000,002
Security Infrastructure Project	0	0	2,000,000	15	8,000,000	MY	0	---	10,000,000
Terminal Roadway Improvement	0	0	1,500,000	15	8,500,000	15	0	---	10,000,000

**Project Comments**

- \$3.75 million funding has been provided for fiscal years 2015 through 2019 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 general or specific contractor to perform.
- In FY15, \$150,000 is provided for the installation of two new Remote Monitoring Terminal (RMT) or noise monitors, off the ends of Runway 10R/28L in advance of the commissioning of the expansion of the runway.
- In FY19, \$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 failing roadway service levels, congestion and circulation problems caused by inadequate accessibility and insufficient capacity.
- In FY15, \$70,000 is provided for the New Authorized Vendor program, which is an electronic background check that performs a screening of vendor employees and denies them access based on multiple disqualifiers prior to the individual even coming onto airport property.



- In FY15, \$1.9 million is provided for additional CCTV equipment to assist staff with securing and observing the Airport on a continuous, twenty-four hour a day, seven days a week, basis. The cameras will provide for remote real-time observation of the Airport, thus enhancing security and increasing passenger safety.
- In FY15, \$40,000 is provided for the Next Bus Signage and Automatic Vehicle Locator project, which will assist guests in determining the wait time for next vehicle arrival and will provide a calming effect during the wait for the vehicle. This project will provide a high level of customer service and may assist the airport with inaccurate wait time complaints submitted by our guests.
- In FY17, \$7 million is provided to replace the existing 30 shuttle fleet with new vehicles ranging in size/capacity, which will consist of vans, mini buses and larger buses.
- In FY15, \$3.5 million is provided to address the decline in market share of airport parking revenue by addressing signage, implementing vehicle locators, and upgrading the parking revenue control system.
- In FY15, \$2.0 million is funded (for a total of \$5 million including prior year budgets) 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 FY15 , \$1.5 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 FY15, \$3,731,000 is funded to implement, manage, and operate a Geographic Information System (GIS) at the airport. GIS provides a common framework for viewing and analyzing data from many different (business) data systems through the use of a map-based interface, adding a geographic component to traditional tabular database analyses.
- In FY15-19, \$10 million is funded to do a property blast 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 FY15, \$10 million is funded for the evaluation, design, and construction of the terminal exit roadway in a multiple implementation project. The evaluation includes review of previous exit roadway studies, conducts a traffic count and study, and provides recommendations for short and long term improvements to the terminal roadway as a means to reduce significant levels of vehicle congestion.

**BROWARD COUNTY CAPITAL BUDGET**

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY15</u></b>	<b><u>FY16</u></b>	<b><u>FY17</u></b>	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>TOTAL</u></b>
Fund Balance/Aviation Funds/Interest	17,278,500	950,000	7,950,000	950,000	950,000	28,078,500
Federal Grants	4,862,500	1,800,000	1,800,000	1,800,000	51,800,000	62,062,500
Bond Proceeds/Future Passenger Facility Charge-Backed Financing	3,500,000	0	0	0	50,000,000	53,500,000
<b>TOTAL</b>	<b>25,641,000</b>	<b>2,750,000</b>	<b>9,750,000</b>	<b>2,750,000</b>	<b>102,750,000</b>	<b>143,641,000</b>

**Funding Requirements**

Facility Improvement Allowance	750,000	750,000	750,000	750,000	750,000	3,750,000
Noise Monitor Installation	150,000	0	0	0	0	150,000
Airport Access Roadway System	0	0	0	0	100,000,000	100,000,000
Authorized Vendor Program	70,000	0	0	0	0	70,000
Closed Circuit TV System	1,900,000	0	0	0	0	1,900,000
Next Bus Signage and Automatic Vehicle Locator Enhancements	40,000	0	0	0	0	40,000
Shuttle Fleet Replacement	0	0	7,000,000	0	0	7,000,000
Parking Revenue Control System	3,500,000	0	0	0	0	3,500,000
Aviation's Share of ERP Implementation	2,000,000	0	0	0	0	2,000,000
Federal Aviation Regulation Part 150 Study	1,500,000	0	0	0	0	1,500,000
Geographic Information System	3,731,000	0	0	0	0	3,731,000
Security Infrastructure Project	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Terminal Roadway Improvement	10,000,000	0	0	0	0	10,000,000
<b>TOTAL</b>	<b>25,641,000</b>	<b>2,750,000</b>	<b>9,750,000</b>	<b>2,750,000</b>	<b>102,750,000</b>	<b>143,641,000</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

North Perry Projects

**Funding Summary**

	Actual Expenses Through FY 13	Modified FY 14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Rehab Apron Pavement	0	129,660	0	---	1,170,340	15	0	---	1,300,000
Security Enhancements for Access Control	0	200,000	0	---	125,000	15	0	---	325,000
Environmental Assessment	0	0	100,000	15	900,000	15	0	---	1,000,000
Runway 10R-28L Safety Enhancements	0	0	200,000	19	3,800,000	19	0	---	4,000,000

**Project Comments**

- In FY15, \$1,170,340 is provided for rehabilitation of the south apron pavement at the North Perry Airport. The scope of work includes: (1) removal of old non-functional tie-downs; (2) installation of a new tie-down anchor system; (3) installation of new apron lights and electrical duct-bank; (4) vault work; (5) application of slurry-seal; (6) sodding of pavement edges and (7) painting and marking as needed. This project is FAA entitlement eligible and FDOT participation is at 80%.
- In FY15, \$125,000 is provided to complete the security enhancement project at the North Perry Airport. An additional vehicle access gate and eight pedestrian gates need to be upgraded for secure access. In addition, a positive ID badge system needs to be implemented that would allow tenants to be easily identified on ramps and allow them to swipe for secure access.
- In FY15, \$1 million is provided for an environmental impact study. In order to initiate runway and taxiway projects, the FAA mandates that this be conducted prior to the design of safety overrun construction. The Scope of this study will entail a sub base analysis, noise and drainage studies, public notifications, and community outreach.
- 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.

**BROWARD COUNTY CAPITAL BUDGET**

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**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY15</u></b>	<b><u>FY16</u></b>	<b><u>FY17</u></b>	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>TOTAL</u></b>
Fund Balance/Aviation Funds/Interest	78,400	0	0	0	200,000	278,400
Federal/State Grants	2,216,940	0	0	0	3,800,000	6,016,940
<b>TOTAL</b>	<b>2,295,340</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>	<b>6,295,340</b>

**Funding Requirements**

Rehab Apron Pavement	1,170,340	0	0	0	0	1,170,340
Security Enhancements for Access Control	125,000	0	0	0	0	125,000
Environmental Assessment	1,000,000	0	0	0	0	1,000,000
Runway 10R-28L Safety Enhancements	0	0	0	0	4,000,000	4,000,000
<b>TOTAL</b>	<b>2,295,340</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>	<b>6,295,340</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Airport Expansion Projects

**Funding Summary**

	Actual Expenses Through FY 13	Modified FY 14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Taxiway H Construction	0	0	0	---	6,000,000	19	0	---	6,000,000
Taxiway M Construction	0	0	0	---	12,000,000	19	0	---	12,000,000

**Project Comments**

- In FY19, \$6 million is provided for the rehabilitation of Taxiway H.
- In FY19, \$12 million is provided for the construction of Taxiway M. Its construction will enhance the capability and flexibility of airfield traffic.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Aviation Funds/Interest	0	0	0	0	2,250,000	2,250,000
Federal/State Grants	0	0	0	0	15,750,000	15,750,000
<b>TOTAL</b>	0	0	0	0	18,000,000	18,000,000
<b>Funding Requirements</b>						
Taxiway H Construction	0	0	0	0	6,000,000	6,000,000
Taxiway M Construction	0	0	0	0	12,000,000	12,000,000
<b>TOTAL</b>	0	0	0	0	18,000,000	18,000,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Reserves

**Funding Summary**

	Actual Expenses Through FY 13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Aviation Reserves	N/A	N/A	0	---	0	---	105,058,380	MY	105,058,380

**Project Comments**

- The Aviation capital budget includes reserves for contingencies.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Aviation Funds/Interest	20,650,110	20,846,550	21,015,820	21,186,700	21,359,200	105,058,380
<b>TOTAL</b>	20,650,110	20,846,550	21,015,820	21,186,700	21,359,200	105,058,380
 <u>Funding Requirements</u>						
Aviation Reserves	20,650,110	20,846,550	21,015,820	21,186,700	21,359,200	105,058,380
<b>TOTAL</b>	20,650,110	20,846,550	21,015,820	21,186,700	21,359,200	105,058,380

**AVIATION RENEWAL AND REPLACEMENT FUND (4020)**

**FY15**

**REVENUES**

Interest Income	34,100
Less 5%	(1,700)
Transfer from Aviation Operating Fund (4010)	7,679,500
Transfer from PFC Fund (4080)	1,200,000
Federal Grants	4,000,000
Fund Balance	3,410,460
Bond Proceeds	68,450,000
<b>TOTAL</b>	<b>\$84,772,360</b>

**APPROPRIATIONS**

Terminal 4 Federal Inspection Service (FIS)	25,000,000
Rehabilitation of Rental Car Center, Hibiscus and Palm Garages	6,150,000
FLL Facilities Rehabilitation & Renovations	3,400,000
Vehicle Replacement	271,000
Equipment Replacement	1,343,500
Aircraft Rescue and Fire Fighting (ARFF) Truck 310 Replacement	1,200,000
Radio Replacement	1,200,000
Runway Friction Tester Replacement	130,000
FLL Stormwater Upgrades	1,500,000
Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds)	27,900,000
Information Technology Software & Services Renewal and Replacement	375,000
Information Systems Renewal & Replacement	960,000
FLL Utilities Upgrade	11,900,000
Reserves	3,442,860
<b>TOTAL</b>	<b>\$84,772,360</b>

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**AVIATION FACILITIES IMPROVEMENTS AND DEVELOPMENT FUND (4040)**

**FY15**

**REVENUES**

Interest Income	1,860
Less 5%	(90)
Federal Grant - FAA	1,125,000
Federal Grant - TSA	3,300,000
State Grants	437,500
Transfer from Aviation Operating Fund (4010)	7,278,500
Transfer from PFC Fund (4080)	10,000,000
Fund Balance	185,560
Bond Proceeds	3,500,000
<b>TOTAL</b>	<b>\$25,828,330</b>

**APPROPRIATIONS**

Facility Improvement Allowance	750,000
Noise Monitor Installation	150,000
Authorized Vendor Program	70,000
Closed Circuit TV System	1,900,000
Next Bus Signage and Automatic Vehicle Locator Enhancements	40,000
Parking Revenue Control System	3,500,000
Aviation's Share of ERP Implementation	2,000,000
Federal Aviation Regulation Part 150 Study	1,500,000
Geographic Information System	3,731,000
Security Infrastructure Project	2,000,000
Terminal Roadway Improvement	10,000,000
Reserves	187,330
<b>TOTAL</b>	<b>\$25,828,330</b>



**AVIATION DISCRETIONARY FUND (4050)**

		<u><b>FY15</b></u>
<b>REVENUES</b>		
Fund Balance		3,000,000
	<b>TOTAL</b>	<b>\$3,000,000</b>

<b>APPROPRIATIONS</b>		
Other Restricted Reserves		3,000,000
	<b>TOTAL</b>	<b>\$3,000,000</b>

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**AVIATION NORTH PERRY FUND (4070)**

		<u><b>FY15</b></u>
<b>REVENUES</b>		
Interest Earnings		4,660
Less 5%		(230)
Transfer from Aviation Operating Fund (4010)		78,400
Federal Grant		2,066,940
State Grant		150,000
Fund Balance		465,720
	<b>TOTAL</b>	<b>\$2,765,490</b>

<b>APPROPRIATIONS</b>		
Rehab Apron Pavement		1,170,340
Security Enhancements for Access Control		125,000
Environmental Assessment		1,000,000
Reserves		470,150
	<b>TOTAL</b>	<b>\$2,765,490</b>

AVIATION AIRPORT EXPANSION FUND (4220)

	<u>FY15</u>
<b>REVENUES</b>	
Interest Earnings	118,040
Less 5%	(5,900)
Fund Balance	11,804,090
<b>TOTAL</b>	<b>\$11,916,230</b>
 <b>APPROPRIATIONS</b>	
Other Restricted Reserves	11,916,230
<b>TOTAL</b>	<b>\$11,916,230</b>

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AVIATION AIRPORT EXPANSION PROGRAM 3 FUND (4221)

	<u>FY15</u>
<b>REVENUES</b>	
Interest Earnings	15,980
Less 5%	(800)
Fund Balance	1,598,430
<b>TOTAL</b>	<b>\$1,613,610</b>
 <b>APPROPRIATIONS</b>	
Reserves	1,613,610
<b>TOTAL</b>	<b>\$1,613,610</b>

AVIATION CONSOLIDATED RENTAL CAR FACILITY FUND (4240)

	<u>FY15</u>
<b>REVENUES</b>	
Interest Earnings	200
Less 5%	(10)
Fund Balance	19,740
<b>TOTAL</b>	<b>\$19,930</b>
 <b>APPROPRIATIONS</b>	
Other Restricted Reserves	19,930
<b>TOTAL</b>	<b>\$19,930</b>

## PORT EVERGLADES CAPITAL

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
<b>REVENUES</b>					
State Grants*	16,568,000	29,562,000	35,562,000	2,000,000	35,750,000
Interest Income	436,000	0	0	0	0
Less 5%	(850,200)	(1,378,100)	(1,878,100)	(100,000)	(1,737,500)
Bond Proceeds/Financing	78,329,740	86,670,260	61,664,120	0	48,335,880
Transfer from Operating Fund	50,133,400	28,989,030	44,743,000	44,483,320	35,058,420
Fund Balance	35,230,650	0	0	0	7,980,590
<b>TOTAL REVENUES</b>	<b><u>\$179,847,590</u></b>	<b><u>\$143,843,190</u></b>	<b><u>\$140,091,020</u></b>	<b><u>\$46,383,320</u></b>	<b><u>\$125,387,390</u></b>

\*Revenues include grant funds included in the FY15 Adopted Budget for the State of Florida representing 49% cost share for the Southport Turning Notch Extension project pursuant to the Strategic Port Investment Initiative.

## APPROPRIATIONS

General Infrastructure Facilities

Miscellaneous Infrastructure Improvements	2,500,000	3,000,000	500,000	500,000	500,000
Utility Infrastructure Improvements	550,000	550,000	550,000	550,000	550,000
Annual Fender, Mooring & Bollard Improvements	700,000	500,000	500,000	500,000	500,000
Port Capital Maintenance	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Maintenance Dredging - Slip 3	500,000	0	0	0	0
<b>Subtotal</b>	<b><u>5,250,000</u></b>	<b><u>5,050,000</u></b>	<b><u>2,550,000</u></b>	<b><u>2,550,000</u></b>	<b><u>2,550,000</u></b>

2014 Master Plan Projects - Midport

Cruise Terminal 25	1,250,000	12,500,000	12,500,000	0	0
Multimodal Facility - Phase 1	0	0	1,500,000	0	16,000,000
New Bulkheads at Berths 16, 17, & 18	0	0	1,150,000	1,150,000	11,600,000
New Bulkheads at Berths 21 & 22	0	0	0	1,900,000	9,300,000
<b>Subtotal</b>	<b><u>1,250,000</u></b>	<b><u>12,500,000</u></b>	<b><u>15,150,000</u></b>	<b><u>3,050,000</u></b>	<b><u>36,900,000</u></b>

2014 Master Plan Projects - Northport Improvements

Terminal 4 Parking Garage	0	0	0	0	2,000,000
New Bulkheads at Berths 1, 2 & 3	0	1,150,000	1,150,000	11,300,000	11,300,000
Neo-Bulk Storage Area	700,000	3,500,000	3,500,000	0	0
Slip 1 New Bulkheads at Berths 9 & 10	17,500,000	29,450,000	29,450,000	0	0
Slip 2 Westward Lengthening	15,750,000	0	0	0	0
FPC/FSTED Grant Administrative	37,000	0	0	0	0
<b>Subtotal</b>	<b><u>33,987,000</u></b>	<b><u>34,100,000</u></b>	<b><u>34,100,000</u></b>	<b><u>11,300,000</u></b>	<b><u>13,300,000</u></b>

## PORT EVERGLADES CAPITAL

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
<b><u>2014 Master Plan Projects - Southport Improvements</u></b>					
Southport Turning Notch Expansion - Contracts 1 & 2	34,000,000	36,750,000	36,750,000	0	0
Mitigation for Westlake Improvements (Southport Turning Notch)	4,900,000	0	0	0	0
Super Post Panamax Cranes	9,000,000	7,500,000	7,500,000	0	0
McIntosh Road Improvements	140,000	1,420,000	0	0	0
Phase 9a Container Yard	8,000,000	0	0	0	0
Phase 9b Container Yard	0	900,000	8,800,000	0	0
Container Yards Densification/Improvements	0	0	0	3,000,000	13,500,000
FPC/FSTED Grant Administrative	0	40,000	40,000	0	40,000
<b>Subtotal</b>	<b><u>56,040,000</u></b>	<b><u>46,610,000</u></b>	<b><u>53,090,000</u></b>	<b><u>3,000,000</u></b>	<b><u>13,540,000</u></b>
<b><u>2014 Master Plan Projects - Portwide</u></b>					
ACOE Deepening & Widening	4,500,000	0	0	0	45,000,000
Mitigation for Westlake (ACOE Deepening & Widening)	8,700,000	9,500,000	0	0	0
<b>Subtotal</b>	<b><u>13,200,000</u></b>	<b><u>9,500,000</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>45,000,000</u></b>
<b><u>Other Port Capital</u></b>					
Annual Crane Parts & Support	300,000	300,000	300,000	300,000	300,000
Annual Spare Parts for Loading Bridges	250,000	100,000	100,000	100,000	100,000
Capitalized Interest	868,000	868,000	868,000	868,000	868,000
Crane Improvements/Replacements	4,805,000	0	5,000,000	5,000,000	0
FPC/FSTED Grant Administrative	30,000	30,000	30,000	70,000	30,000
General Architectural/Engineering Services	300,000	300,000	300,000	300,000	300,000
General Terminal Improvements	1,352,000	2,000,000	2,000,000	2,000,000	2,000,000
In-House Labor & Overhead	1,778,000	1,778,000	1,778,000	1,778,000	1,778,000
Inlet Management Plan	0	3,420,000	0	0	0
Matching Funds for Port Security	500,000	500,000	500,000	500,000	500,000
Miscellaneous Terminal Improvements	1,330,000	1,000,000	1,000,000	1,000,000	1,000,000
New Public Works Facility Building	400,000	3,600,000	0	0	0
Northport Parking Garage Phase V Improvements	1,850,000	0	0	0	0
Port Information Technology Systems	1,373,000	300,000	125,000	100,000	100,000
Port Security Improvements	200,000	200,000	200,000	200,000	200,000
Renew/Replace Equipment	1,416,000	1,093,000	1,093,000	1,065,000	1,065,000
Seaport Engineering & Construction Division Expenses	2,068,590	2,094,190	2,157,020	2,221,730	2,288,380

**PORT EVERGLADES CAPITAL**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
Southport Gantry Cranes Civil/Electrical/Site	33,500,000	15,500,000	16,750,000	0	0
Terminal 18 Meg & Tunnel Modifications	4,800,000	0	0	0	0
Terminals 18 & 21 Passenger Loading Bridges & Mooring Improvements	10,000,000	0	0	0	0
<b>Subtotal</b>	<b><u>67,120,590</u></b>	<b><u>33,083,190</u></b>	<b><u>32,201,020</u></b>	<b><u>15,502,730</u></b>	<b><u>10,529,380</u></b>
<b><u>Reserves</u></b>					
Reserve for Renewal/Replacement	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Reserve for Programmed Projects	0	0	0	7,980,590	568,010
<b>Subtotal</b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>10,980,590</u></b>	<b><u>3,568,010</u></b>
<b>TOTAL APPROPRIATIONS</b>	<b><u>\$ 179,847,590</u></b>	<b><u>\$ 143,843,190</u></b>	<b><u>\$ 140,091,020</u></b>	<b><u>\$ 46,383,320</u></b>	<b><u>\$ 125,387,390</u></b>

**PRIVATE INVESTMENT PROJECTS**

Foreign Trade Zone Relocation	27,000,000	27,000,000	0	0	0
<b>TOTAL PRIVATE INVESTMENT</b>	<b>27,000,000</b>	<b>27,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Port Everglades

**PROJECT**

General Infrastructure Facilities

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Miscellaneous Infrastructure Improvements	N/A	N/A	0	--	0	--	7,000,000	MY	7,000,000
Utility Infrastructure Improvements	N/A	N/A	0	--	0	--	2,750,000	MY	2,750,000
Annual Fender, Mooring & Bollard	N/A	N/A	0	--	0	--	2,700,000	MY	2,700,000
Port Capital Maintenance	N/A	N/A	0	--	0	--	5,000,000	MY	5,000,000
Maintenance Dredging - Slip 3	0	0	0	--	0	--	500,000	15	500,000

**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.
- \$500,000 is provided in FY15 for the maintenance dredging at Slip 3 in order to deepen it to the design depth.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	5,250,000	5,050,000	2,550,000	2,550,000	2,550,000	17,950,000
<b>TOTAL</b>	5,250,000	5,050,000	2,550,000	2,550,000	2,550,000	17,950,000
<b><u>Funding Requirements</u></b>						
Miscellaneous Infrastructure Improvements	2,500,000	3,000,000	500,000	500,000	500,000	7,000,000
Utility Infrastructure Improvements	550,000	550,000	550,000	550,000	550,000	2,750,000
Annual Fender, Mooring & Bollard	700,000	500,000	500,000	500,000	500,000	2,700,000
Port Capital Maintenance	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Maintenance Dredging - Slip 3	500,000	0	0	0	0	500,000
<b>TOTAL</b>	5,250,000	5,050,000	2,550,000	2,550,000	2,550,000	17,950,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Port Everglades

**PROJECT**

2014 Master Plan - Midport Improvements

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Cruise Terminal 25	0	175,000	1,250,000	15	25,000,000	MY	0	--	26,425,000
Multimodal Facility - Phase 1	0	0	1,500,000	16	16,000,000	19	0	--	17,500,000
New Bulkheads at Berths 16, 17, & 18	0	0	2,300,000	MY	11,600,000	MY	0	--	13,900,000
New Bulkheads at Berths 21 & 22	0	0	1,900,000	18	9,300,000	19	0	--	11,200,000

**Project Comments**

- \$26.3 million is programmed for improvements to cruise terminal 25 to accommodate larger passenger ships including increasing the baggage-handling area.
- \$17.5 million is appropriated in FY17-19 for the design and construction of a 1,200 space parking facility in Midport.
- \$25.1 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>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	0	0	0	3,050,000	33,564,120	36,614,120
Bond Proceeds/Financing	1,250,000	12,500,000	15,150,000	0	3,335,880	32,235,880
<b>TOTAL</b>	1,250,000	12,500,000	15,150,000	3,050,000	36,900,000	68,850,000

**Funding Requirements**

Cruise Terminal 25	1,250,000	12,500,000	12,500,000	0	0	26,250,000
Multimodal Facility - Phase 1	0	0	1,500,000	0	16,000,000	17,500,000
New Bulkheads at Berths 16, 17, & 18	0	0	1,150,000	1,150,000	11,600,000	13,900,000
New Bulkheads at Berths 21 & 22	0	0	0	1,900,000	9,300,000	11,200,000
<b>TOTAL</b>	1,250,000	12,500,000	15,150,000	3,050,000	36,900,000	68,850,000



**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Port Everglades

**PROJECT**

2014 Master Plan - Northport Improvements

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Terminal 4 Parking Garage	0	0	2,000,000	19	0	--	0	--	2,000,000
New Bulkheads at Berths 1, 2 & 3	0	4,530,000	2,300,000	MY	22,600,000	MY	0	--	29,430,000
Neo-Bulk Storage Area	0	0	700,000	15	7,000,000	MY	0	--	7,700,000
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	0	0	17,500,000	15	58,900,000	MY	0	--	76,400,000
Slip 2 Westward Lengthening	49,147	7,636,281	0	---	15,750,000	15	0	---	23,386,281
FPC/FTED Grant Administrative Fees	0	0	0	---	0	---	37,000	15	37,000

**Project Comments**

- \$2 million is budgeted in FY19 for the design of 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.
- \$7.7 million is programmed in FY15-17 for the development of a new liquid bulk terminal at the port.
- \$76.4 million is programmed in FY15-19 for the construction of new bulkheads at Berths 9 and 10.
- In FY15, \$15.75 million is budgeted for the construction of the expansion of Slip 2 to accommodate cruise vessels, general cargo and petroleum vessels on the south bulkhead.
- \$37,000 is budgeted in FY15 for administrative grant fees associated with the Slip 2 Westward Lengthening project.

**BROWARD COUNTY CAPITAL BUDGET**

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY15</u></b>	<b><u>FY16</u></b>	<b><u>FY17</u></b>	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>TOTAL</u></b>
Fund Balance/Operating Revenues	0	0	0	11,300,000	3,356,880	14,656,880
State Grants*	1,850,000	0	6,000,000	0	9,943,120	17,793,120
Bond Proceeds/Financing	32,137,000	34,100,000	28,100,000	0	0	94,337,000
<b>TOTAL</b>	<b>33,987,000</b>	<b>34,100,000</b>	<b>34,100,000</b>	<b>11,300,000</b>	<b>13,300,000</b>	<b>126,787,000</b>

**Funding Requirements**

Terminal 4 Parking Garage	0	0	0	0	2,000,000	2,000,000
New Bulkheads at Berths 1, 2 & 3	0	1,150,000	1,150,000	11,300,000	11,300,000	24,900,000
Neo-Bulk Storage Area	700,000	3,500,000	3,500,000	0	0	7,700,000
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	17,500,000	29,450,000	29,450,000	0	0	76,400,000
Slip 2 Westward Lengthening	15,750,000	0	0	0	0	15,750,000
FPC/FSTED Grant Administrative Fees	37,000	0	0	0	0	37,000
<b>TOTAL</b>	<b>33,987,000</b>	<b>34,100,000</b>	<b>34,100,000</b>	<b>11,300,000</b>	<b>13,300,000</b>	<b>126,787,000</b>

\*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 FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Southport Turning Notch Expansion-Contracts 1 & 2	2,224,013	34,500,000	0	--	107,500,000	MY	0	--	144,224,013
Mitigation for Westlake Improvements (Southport Turning Notch)	0	0	0	--	4,900,000	15	0	--	4,900,000
Super Post Panamax Cranes	0	0	0	--	24,000,000	MY	0	--	24,000,000
McIntosh Road Improvements	6,124,269	2,873,782	140,000	15	1,420,000	16	0	--	10,558,051
Phase 9a Container Yard	N/A	900,000	0	--	8,000,000	15	0	--	8,000,000
Phase 9b Container Yard	N/A	N/A	900,000	16	8,800,000	17	0	--	9,700,000
Container Yards Densification/Improvement	N/A	N/A	3,000,000	18	13,500,000	19	0	--	16,500,000
FPC/FSTED Grant Administrative Fees	N/A	N/A	0	--	0	--	120,000	MY	120,000

**Project Comments**

- \$107.5 million is programmed in FY15-17 for the Southport Turning Notch expansion of Berth 30 and the addition of a new berth for the importation of crushed rock aggregate.
- \$4.9 million is budgeted in FY15 for the mitigation of 8.5 acres of mangrove wetland (Westlake) during the construction of the Southport Turning Notch Expansion.
- In FY15-17, \$24 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.
- \$1.56 million is budgeted in FY15 and FY16 for the design and construction of McIntosh Road.
- Over the 5-year capital program, \$17.7 million is programmed for the design and construction of two new container yards (Phase 9a and 9b); one located at the Foreign Trade Zone and one west of the McIntosh Road.

**BROWARD COUNTY CAPITAL BUDGET**

- \$120,000 is programmed over 5 years for administrative grant fees associated with the Southport Turning Notch Expansion project.
- \$16.5 million is programmed in FY18-19 for the installation of rubber tire gantries to increase container storage densification in the container yards.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	42,150,400	6,955,840	23,741,980	3,000,000	0	75,848,220
State Grants*	13,889,600	28,183,900	27,683,900	0	13,540,000	83,297,400
Bond Proceeds/Financing	0	11,470,260	1,664,120	0	0	13,134,380
						0
<b>TOTAL</b>	<b>56,040,000</b>	<b>46,610,000</b>	<b>53,090,000</b>	<b>3,000,000</b>	<b>13,540,000</b>	<b>172,280,000</b>

**Funding Requirements**

Southport Turning Notch Expansion-Contracts 1 & 2	34,000,000	36,750,000	36,750,000	0	0	107,500,000
Mitigation for Westlake Improvements	4,900,000	0	0	0	0	4,900,000
Super Post Panamax Cranes	9,000,000	7,500,000	7,500,000	0	0	24,000,000
McIntosh Road	140,000	1,420,000	0	0	0	1,560,000
Phase 9a Container Yard	8,000,000	0	0	0	0	8,000,000
Phase 9b Container Yard	0	900,000	8,800,000	0	0	9,700,000
Container Yards Densification/Improvement	0	0	0	3,000,000	13,500,000	16,500,000
FPC/FSTED Grant Administrative Fees	0	40,000	40,000	0	40,000	120,000
<b>TOTAL</b>	<b>56,040,000</b>	<b>46,610,000</b>	<b>53,090,000</b>	<b>3,000,000</b>	<b>13,540,000</b>	<b>172,280,000</b>

\*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 FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
ACOE Deepening & Widening	0	0	4,500,000	15	45,000,000	19	0	--	49,500,000
Mitigation for Westlake (ACOE Deepening & Widening)	0	0	1,000,000	15	17,200,000	MY	0	--	18,200,000

**Project Comments**

- \$49.5 million is programmed over the 5-year capital program to improve navigational channels and deepen depths within the Intracoastal Waterway to allow for larger vessels at Port Everglades.
- \$18.2 million is programmed in FY15 and FY16 for the design and construction of Westlake Mitigation for the Army Core of Engineers (ACOE) Deepening and Widening project.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Bond Proceeds/Financing	13,200,000	9,500,000	0	0	45,000,000	67,700,000
<b>TOTAL</b>	13,200,000	9,500,000	0	0	45,000,000	67,700,000
<u>Funding Requirements</u>						
ACOE Deepening & Widening	4,500,000	0	0	0	45,000,000	49,500,000
Mitigation for Westlake (ACOE Deepening & Widening)	8,700,000	9,500,000	0	0	0	18,200,000
<b>TOTAL</b>	13,200,000	9,500,000	0	0	45,000,000	67,700,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Port Everglades

**PROJECT**

Other Port Capital Improvements/Reserves

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						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	--	650,000	MY	650,000
Capitalized Interest	N/A	N/A	0	--	0	--	4,340,000	MY	4,340,000
Crane Improvements/Replacements	0	0	0	--	0	--	14,805,000	MY	14,805,000
FPC/FSTED Grant Administrative Fees	N/A	N/A	0	--	0	--	190,000	MY	190,000
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	--	9,352,000	MY	9,352,000
In-House Labor & Overhead	N/A	N/A	0	--	0	--	8,890,000	MY	8,890,000
Inlet Management Plan	0	0	0	--	0	--	3,420,000	MY	3,420,000
Matching Funds for Port Security Grant	N/A	N/A	0	--	0	--	2,500,000	MY	2,500,000
Miscellaneous Terminal Improvements	N/A	N/A	0	--	0	--	5,330,000	MY	5,330,000
New Public Works Facility Building	0	0	0	--	0	--	4,000,000	MY	4,000,000
Northport Parking Garage Phase V Improvements	0	0	0	--	0	--	1,850,000	15	1,850,000
Port Information Technology Systems	N/A	N/A	0	---	0	---	1,998,000	MY	1,998,000
Port Security Improvements	N/A	N/A	0	---	0	---	1,000,000	MY	1,000,000
Renew/Replace Equipment	N/A	N/A	0	---	0	---	5,732,000	MY	5,732,000
Seaport Engineering & Construction Division Expenses	N/A	N/A	0	---	0	---	10,829,910	MY	10,829,910
Southport Gantry Cranes Civil/Electrical/Site	N/A	N/A	0	---	0	---	65,750,000	MY	65,750,000

**BROWARD COUNTY CAPITAL BUDGET**

Terminal 18 Meg & Tunnel Modifications	0	0	0	---	0	---	4,800,000	15	4,800,000
Terminals 18 & 21 Passenger Loading Bridges & Mooring Improvements	0	0	0	---	0	---	10,000,000	15	10,000,000

**Project Comments**

- \$1.5 million is provided for replacement and improvement for crane parts and support.
- \$15.3 million 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.
- \$3.4 million is programmed in FY16 for the Port's share of the installation of the sand bypass system at the entrance channel to the port.
- \$14.8 million is programmed in FY15-FY19 for the upgrades of seven cranes, new crane hardware and replacement equipment.
- Funding is provided in FY15-19 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.
- Annual funding is provided for equipment, software and services to maintain an optimum technology environment. Improved technology will provide for greater operational efficiencies.
- Throughout the five year program, funding is provided for replacement of electronic security equipment at the Port to remain in compliance with federal, state and local law enforcement agencies regulations.
- In FY15-17, \$66 million is programmed for 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.
- In FY15, \$4.8 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.
- In FY15, \$10 million is budgeted for improvements to Terminal 18 and 21 passenger loading bridges and mooring in order to serve cruise ships of various brands, sizes and passenger capacities.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	35,377,850	13,983,190	15,451,020	13,602,730	0	78,414,790
State Grants*	0	0	0	1,900,000	10,529,380	12,429,380
Bond Proceeds/Financing	31,742,740	19,100,000	16,750,000	0	0	67,592,740
<b>TOTAL</b>	<b>67,120,590</b>	<b>33,083,190</b>	<b>32,201,020</b>	<b>15,502,730</b>	<b>10,529,380</b>	<b>158,436,910</b>

## BROWARD COUNTY CAPITAL BUDGET

### 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	250,000	100,000	100,000	100,000	100,000	650,000
Capitalized Interest	868,000	868,000	868,000	868,000	868,000	4,340,000
Crane Improvements/Replacements	4,805,000	0	5,000,000	5,000,000	0	14,805,000
FPC/FSTED Grant Administrative Fees	30,000	30,000	30,000	70,000	30,000	190,000
General Architectural/Engineering Services	300,000	300,000	300,000	300,000	300,000	1,500,000
General Terminal Improvements	1,352,000	2,000,000	2,000,000	2,000,000	2,000,000	9,352,000
In-House Labor & Overhead	1,778,000	1,778,000	1,778,000	1,778,000	1,778,000	8,890,000
Inlet Management Plan	0	3,420,000	0	0	0	3,420,000
Matching Funds for Port Security Grant	500,000	500,000	500,000	500,000	500,000	2,500,000
Miscellaneous Terminal Improvements	1,330,000	1,000,000	1,000,000	1,000,000	1,000,000	5,330,000
New Public Works Facility Building	400,000	3,600,000	0	0	0	4,000,000
Northport Parking Garage Phase V Improvements	1,850,000	0	0	0	0	1,850,000
Port Information Technology Systems	1,373,000	300,000	125,000	100,000	100,000	1,998,000
Port Security Improvements	200,000	200,000	200,000	200,000	200,000	1,000,000
Renew/Replace Equipment	1,416,000	1,093,000	1,093,000	1,065,000	1,065,000	5,732,000
Seaport Engineering & Construction Division Expenses	2,068,590	2,094,190	2,157,020	2,221,730	2,288,380	10,829,910
Southport Gantry Cranes Civil/Electrical/Site	33,500,000	15,500,000	16,750,000	0	0	65,750,000
Terminal 18 Meg & Tunnel Modifications	4,800,000	0	0	0	0	4,800,000
Terminals 18 & 21 Passenger Loading Bridges & Mooring Improvements	10,000,000	0	0	0	0	10,000,000
<b>TOTAL</b>	<b>67,120,590</b>	<b>33,083,190</b>	<b>32,201,020</b>	<b>15,502,730</b>	<b>10,529,380</b>	<b>158,436,910</b>



**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**  
Port Everglades

**PROJECT**  
Port Everglades Reserves

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19			Total
			Design FY	Construction FY	Other FY	
Reserve for Renewal/Replacement	N/A	N/A	0 --	0 --	15,000,000 MY	15,000,000
Reserve for Programmed Projects	N/A	N/A	0 --	0 --	8,548,600 MY	8,548,600

**Project Comments**

- \$15 million is programmed for reserve for renewal and replacement over the 5 year capital program.
- The Reserve for Programmed Projects is programmed in FY18 and FY19 for specific projects.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	3,000,000	3,000,000	3,000,000	10,980,590	3,568,010	23,548,600
<b>TOTAL</b>	3,000,000	3,000,000	3,000,000	10,980,590	3,568,010	23,548,600
<b>Funding Requirements</b>						
Reserve for Renewal/Replacement	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Reserve for Programmed Projects	0	0	0	7,980,590	568,010	8,548,600
<b>TOTAL</b>	3,000,000	3,000,000	3,000,000	10,980,590	3,568,010	23,548,600

**WATER AND WASTEWATER CAPITAL**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
<b>REVENUES</b>					
User Fees	23,997,400	27,049,470	30,663,290	29,276,480	29,872,000
Capital Recovery Charges	2,000,000	2,000,000	2,000,000	1,400,000	1,400,000
Future Bond Proceeds	116,414,690	24,750,000	89,250,000	100,400,000	11,000,000
<b>TOTAL REVENUES</b>	<b><u>\$142,412,090</u></b>	<b><u>\$53,799,470</u></b>	<b><u>\$121,913,290</u></b>	<b><u>\$131,076,480</u></b>	<b><u>\$42,272,000</u></b>

**APPROPRIATIONS**

**Retail Water & Wastewater**

Admin Complex Roof, Bldgs 2,3,4,5 & 6	100,000	750,000	0	0	0
Admin Complex Stucco & Painting	70,000	770,000	0	0	0
Administrative Campus Facilities Replacement	100,000	50,000	25,000	0	0
Capital Project Support	947,710	1,631,120	2,417,570	1,060,000	2,143,000
Copans Road Reclaimed Water Transmission	6,675,000	25,000	0	0	0
Davis Isles New Sewers & Water Main Replacement	0	0	1,280,000	50,000	0
Developer Agreement Funding	300,000	300,000	300,000	300,000	300,000
District 3C Water System Improvements	0	500,000	0	6,000,000	0
Hallandale Beach Blvd Hydrants	631,370	0	0	0	0
High Service Pump Facility 3A Replacement	520,000	2,240,000	0	0	0
Hillsboro Mile Wastewater System Improvements	2,118,660	0	0	0	0
Hillsboro Pines NIP	6,657,000	0	0	0	0
Heating, Ventilation, and Cooling System at Incident Command Center	250,000	0	0	0	0
Intl. Airport Booster Pump Station	475,000	3,500,000	0	0	0
Lift Station 30E & 50K2 Relocation	100,000	0	0	0	0

**BROWARD COUNTY CAPITAL BUDGET**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
Lift Station Rehabilitation	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000
Master Pump Station 220 Rehabilitation	0	0	0	2,429,480	0
Master Pump Station 221 Rehabilitation	0	3,297,820	0	0	0
Master Pump Station 224 Rehabilitation	100,000	550,000	2,500,000	0	0
Master Pump Station 226 Improvements	0	1,850,000	0	0	0
Multi-District Inflow/Infiltration Reduction Program	1,500,000	1,500,000	1,000,000	1,000,000	1,000,000
Potable Water Storage Tank Repairs	150,000	2,050,000	0	0	0
Ravenswood Road 12-inch and 16-inch Crossing	670,000	0	0	0	0
Rehabilitation of Process Equipment	300,000	300,000	300,000	300,000	300,000
Retail Facility Demolition	250,000	250,000	0	0	0
Short Line Extensions & Relocations	600,000	500,000	500,000	500,000	500,000
Treasure Cove Sanitary Sewer Extension	3,366,000	0	0	0	0
UAZ** 108 Water/Sewer Pipe Improvements	200,000	0	0	1,090,000	10,520,000
UAZ 110/111 Water/ Sewer Pipe Improvements	400,000	0	1,700,000	15,820,000	8,720,000
UAZ 113 Water/Sewer Pipe Improvements	400,000	2,650,000	27,690,000	0	0
UAZ 122/123 Water/ Sewer Pipe Improvements	210,000	868,000	10,253,000	10,520,000	1,365,000
UAZ 310 Pipe Replacement	1,017,000	0	0	0	0
UAZ 316 New Water and Sewer Service and Pipe Replacement	164,800	0	0	0	0
UAZ 318 New Sewer Service and Pipe Replacement	173,460	0	0	0	0
UAZ 362 & 363 Water Main Replacement	5,400,000	0	0	0	0
Utility Locating and Geographic Information System Mapping	500,000	0	0	0	0
Water Storage Tank 1B1	0	775,000	0	0	0

**BROWARD COUNTY CAPITAL BUDGET**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
Water Storage Tank 1B2 Demolition	140,500	0	0	0	0
Water Storage Tank 2A	250,000	0	0	0	0
Water Storage Tank 2A Repair	375,000	0	0	0	0
Water Storage Tank Facility 3A	2,395,090	0	0	0	0
Water Treatment Plant 1A Expansion	55,000	136,510	36,920,990	0	0
Water Treatment Plants 1A and 2A Switchgear Replacement	0	296,830	0	0	0
Woodland Lane Water Main	361,150	0	0	0	0
Water and Wasterwaster Information Technology Disaster Recovery	500,000	0	0	0	0
<b>Subtotal</b>	<b><u>40,222,740</u></b>	<b><u>26,590,280</u></b>	<b><u>86,686,560</u></b>	<b><u>40,869,480</u></b>	<b><u>26,648,000</u></b>

**Regional Treatment**

Capital Project Support	2,400,210	1,021,760	852,610	2,327,000	1,213,000
NRWWTP* Capacity Improvement	43,153,300	0	0	0	0
NRWWTP Disposal System - Transmission System	95,000	0	5,000,000	52,000,000	0
NRWWTP - Emergency Power System	0	0	3,700,000	0	13,000,000
NRWWTP Energy Project Measurement & Verification	67,000	67,000	67,000	67,000	67,000
NRWWTP - Facilities Improvements	36,674,000	5,850,000	12,900,000	33,500,000	0
NRWWTP - Generator and Switchgear Replacement	1,072,950	0	0	0	0
NRWWTP Load Center and Motor Control Centers	96,900	5,403,100	0	0	0
NRWWTP Modules A, B and D Fine Bubble Conversion	0	2,000,000	0	0	0
NRWWTP Operating Permits Compliance	250,000	0	250,000	1,000,000	0
NRWWTP Rehabilitation	800,000	800,000	800,000	800,000	800,000

**BROWARD COUNTY CAPITAL BUDGET**

	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>
NRWWTP Steel Structure Repair and Replacement	13,790,000	0	0	0	0
Regional Master Meter Improvements	465,750	0	5,352,300	0	0
Rehab Ocean Outfall Pump Station	179,160	0	0	0	0
Rehab Treatment Units at WTP1A and WTP2A	50,000	550,000	0	0	0
Septage Receiving Facility Operations/Admin. Bldg.	225,000	25,000	1,650,000	0	0
Wastewater Supervisory Control and Data Acquisition Replacement	700,000	0	0	0	0
<b>Subtotal</b>	<b><u>100,019,270</u></b>	<b><u>15,716,860</u></b>	<b><u>30,571,910</u></b>	<b><u>89,694,000</u></b>	<b><u>15,080,000</u></b>

**Regional Transmission**

Capital Project Support	52,080	747,120	129,820	13,000	44,000
Master Pump Station 450 Improvements	0	2,200,000	0	0	0
Master Pump Station 454 Rehabilitation	100,000	300,000	1,125,000	0	0
Master Pump Station 456 Improvements	0	3,995,210	0	0	0
Master Pump Station Controls Upgrade	0	0	2,250,000	0	0
Master Pump Stations Rehabilitation	1,150,000	500,000	500,000	500,000	500,000
Retail Wastewater Meter M-471 Replacement	118,000	0	0	0	0
Regional Sewer Air Relief Valves	750,000	750,000	650,000	0	0
Regional Transmission System Master Plan	0	3,000,000	0	0	0
<b>Subtotal</b>	<b><u>2,170,080</u></b>	<b><u>11,492,330</u></b>	<b><u>4,654,820</u></b>	<b><u>513,000</u></b>	<b><u>544,000</u></b>

\*NRWWTP - North Regional Wastewater Treatment Plant

\*\*UAZ - Utility Analysis Zone

**TOTAL APPROPRIATIONS**    **\$142,412,090**    **\$53,799,470**    **\$121,913,290**    **\$131,076,480**    **\$42,272,000**

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Retail/Hillsboro Pines Infrastructure Improvements

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Hillsboro Pines Neighborhood Improvements	694,457	65,884	128,000	15	6,529,000	15	0	---	7,417,341

**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 FY15 to construct new water and sewer systems.
- The non-utility portion of the neighborhood improvement project will be funded from the Unincorporated Area Capital Fund.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Water and Wastewater Revenues	6,657,000	0	0	0	0	6,657,000
<b>TOTAL</b>	6,657,000	0	0	0	0	6,657,000

**Funding Requirements**

Design	128,000	0	0	0	0	128,000
Construction	6,529,000	0	0	0	0	6,529,000
<b>TOTAL</b>	6,657,000	0	0	0	0	6,657,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Retail/New Construction

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Admin Complex Roof, Bldgs 2,3,4,5 & 6	0	0	150,000	MY	700,000	16	0	---	850,000
Admin Complex Stucco & Painting	0	0	140,000	MY	700,000	MY	0	---	840,000
Administrative Campus Facilities Replacement	0	0	0	---	175,000	MY	0	---	175,000
Capital Project Support	N/A	N/A	0	---	0	---	8,199,400	MY	8,199,400
Copans Road Reclaimed Water Transmission	0	0	300,000	MY	6,400,000	MY	0	---	6,700,000
Davis Isles New Sewers & Water Main Replacement	0	0	130,000	MY	1,200,000	MY	0	---	1,330,000
Developer Agreement Funding	N/A	N/A	0	---	1,500,000	MY	0	---	1,500,000
District 3C Water System Improvements	0	0	6,500,000	MY	0	---	0	---	6,500,000
Hallandale Beach Blvd Hydrants	1,491	123,509	10,000	15	621,370	15	0	---	756,370
High Service Pump Facility 3A Replacement	0	0	540,000	15	2,240,000	16	0	---	2,780,000
Hillsboro Mile Wastewater System Improvements	694,524	1,876,348	418,660	15	1,700,000	15	0	---	4,689,532
Heating, Ventilation, and Cooling System at Incident Command Center	0	0	50,000	15	200,000	15	0	---	250,000
Intl. Airport Booster Pump Station	0	0	475,000	15	3,500,000	MY	0	---	3,975,000
Lift Station 30E & 50K2 Relocation	0	0	0	---	100,000	15	0	---	100,000
Lift Station Rehabilitation	N/A	N/A	0	---	9,000,000	MY	0	---	9,000,000
Master Pump Station 220 Rehabilitation	521,314	855,399	649,500	18	1,779,980	18	0	---	3,806,193
Master Pump Station 221 Rehabilitation	97,630	1,427,185	0	---	3,297,820	16	0	---	4,822,635
Master Pump Station 224 Rehabilitation	0	0	650,000	MY	2,500,000	17	0	---	3,150,000
Master Pump Station 226 Improvements	0	930,000	200,000	16	1,650,000	16	0	---	2,780,000
Multi-District Inflow/Infiltration Reduction Program	24,252,331	4,547,107	0	---	6,000,000	MY	0	---	34,799,438
Potable Water Storage Tank Repairs	0	0	300,000	MY	1,900,000	16	0	---	2,200,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Retail/New Construction (Continued)

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Ravenswood Road 12-inch and 16-inch Crossing	0	0	0	---	670,000	15	0	---	670,000
Rehabilitation of Process Equipment	0	300,000	0	---	1,500,000	MY	0	---	1,800,000
Retail Facility Demolition	0	0	0	---	500,000	MY	0	---	500,000
Short Line Extensions and Relocations	N/A	N/A	0	---	2,600,000	MY	0	---	2,600,000
Treasure Cove Sanitary Sewer Extension	177,463	165,000	66,000	15	3,300,000	15	0	---	3,708,463
UAZ* 108 Water/Sewer Pipe Improvements	0	0	1,310,000	MY	10,500,000	MY	0	---	11,810,000
UAZ 110/111 Water/Sewer Pipe Improvements	0	0	4,640,000	MY	22,000,000	MY	0	---	26,640,000
UAZ 113 Water/Sewer Pipe Improvements	0	0	5,740,000	MY	25,000,000	17	0	---	30,740,000
UAZ 122/123 Water/ Sewer Pipe Improvements	0	0	4,716,000	MY	18,500,000	MY	0	---	23,216,000
UAZ 310 Pipe Replacement	1,054,235	10,317,170	0	---	1,017,000	15	0	---	12,388,405
UAZ 316 New Water and Sewer Service and Pipe Replacement	578,104	7,424,674	0	---	164,800	15	0	---	8,167,578
UAZ 318 New Sewer Service and Pipe Replacement	208,616	4,261,143	0	---	173,460	15	0	---	4,643,219
UAZ 362 & 363 Water Main Replacement	0	0	900,000	15	4,500,000	15	0	---	5,400,000
Utility Locating and Geographic Information System Mapping	0	0	0	---	0	---	500,000	15	500,000
Water Storage Tank 1B1	18,474	3,281,526	0	---	775,000	16	0	---	4,075,000
Water Storage Tank 1B2 Demolition	0	9,500	0	---	140,500	15	0	---	150,000
Water Storage Tank 2A	0	4,520,000	28,000	15	222,000	15	0	---	4,770,000
Water Storage Tank 2A Repair	0	0	25,000	15	350,000	15	0	---	375,000



**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Retail/New Construction (Continued)

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Water Storage Tank Facility 3A	212,426	4,115,069	758,808	15	1,636,282	15	0	---	6,722,585
Water Treatment Plant 1A Expansion	1,460,334	9,459,201	3,436,510	MY	33,620,990	17	55,000	15	48,032,035
Water Treatment Plants 1A and 2A Switchgear Replacement	48,453	3,623,178	296,830	16	0	---	0	---	3,968,461
Woodland Lane Water Main	23,000	11,000	26,150	15	225,000	15	110,000	15	395,150
Water and Wastewater Information Technology Disaster Recovery	0	0	50,000	15	100,000	15	350,000	15	500,000

\*Utility Analysis Zone

**Project Comments**

- Funding is provided in FY15 and FY16 to repair the roof at the WWS Administrative Complex.
- Funding is provided in FY15 and FY16 for repair of exterior building finishes at the WWS Administrative Complex.
- Funding is provided in FY15, FY16, and FY17 for replacement of Administrative Complex infrastructure including elevators, floor coverings, paint, furnishings, and other repairs.
- 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 FY15 and FY16 to construct approximately 16,700 linear feet of reclaimed water main along Copans Road.
- Funding is provided in FY17 and FY18 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 FY15-19 for the County's portion of lift stations in developer projects, as needed by the County.
- Funding is provided in FY16 and FY18 to improve approximately 223,000 linear feet of undersized water main, much of which is galvanized steel and asbestos cement. About 3,800 linear feet of old galvanized steel service lines have reached the end of their design life; this replacement will bring this segment to standard, and improve fire protection.

- Funding is provided in FY15 to install 5,550 linear feet of 8" diameter water main, and 13 hydrants, on Hallandale Beach Blvd., between SW 40th Ave and SW 48th Ave in District 3C.
- Funding is provided in FY15 and FY16 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 FY15 for wastewater transmission system improvements in Service District 2, which includes the rehabilitation of pump stations, replacement of force mains, and replacement of gravity sewers.
- Funding is provided in FY15 for a failover Heating, Ventilation, and Air Conditioning system to enable environmental protection for sensitive electronic equipment in the data center.
- In FY15 and FY16 funding is provided to design and construct a water booster pumping station at Fort Lauderdale - Hollywood International Airport.
- Funding is provided in FY15 to upgrade and relocate two retail lift stations to improve maintenance accessibility and conform the equipment to extant standards.
- Funding is provided in FY15-19 for a variety of lift station and master pump station rehabilitation projects.
- Funding is provided in FY15-18 to repair and replace miscellaneous equipment at Master Pump Stations 220 (FY18), 221 (FY16), and 224 (FY15-17).
- Funding is provided in FY16 to engineer, design, and construct improvements and updates to Master Pump Station 226.
- Funding is provided in FY15-19 for a 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 FY15 and FY16 to enable completion of identified potable water storage tank repairs at seven locations throughout the service area.
- Funding is provided in FY15 to construct a 12-inch water main and a 16-inch force main crossing at the intersection of the Dania Canal and Ravenswood Road to accomodate a Florida Department of Transportation bridge widening project.
- Funding is provided in FY15-19 to replace various equipment within the North Regional Wastewater Treatment Plant (NRWWTP).
- In FY15 and FY16, funding is provided for the demolition of various obsolete water treatment and storage facilities.
- Funding is provided in FY15-19 for a variety of small water and sewer main projects, requiring short line extensions and relocations.

- Funding is provided in FY15 to construct new sewer mains and provide sewer service to the residences and commercial parcels east and south of the Treasure Cove lift station in Service District 3A between Griffin Road and the Dania cutoff canal. Water utilities will also be upgraded.
- Funding is provided in FY15 and FY18-19 to replace approximately 34,000 linear feet of water main and 34,000 linear feet of sewer main in UAZ 108.
- Funding is provided in FY15 and FY17-19 to replace approximately 72,000 linear feet of water main and 70,000 linear feet of sewer main in UAZ 110 and UAZ 111.
- Funding is provided in FY15-17 to replace approximately 80,000 linear feet of water main and 62,000 linear feet of sewer main in UAZ 113. The improvement area covers 575 acres.
- For FY15-19 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.
- Funding is provided in FY15 to replace 39,100 linear feet of cement water main in UAZ 310.
- Funding is provided in FY15 to offer new sewer service to three locations in UAZ 316, replace 11,600 feet of small diameter (or pre-1980, or asbestos) cement water main, and install 4900 linear feet of new 12 inch water main on SW 40 Avenue to improve the distribution system.
- Funding is provided in FY15 to offer new sewer service to SW 44th Ave north of Griffin Road, replace 1,300 linear feet of pre-1970 gravity sewer, replace 16,300 of small diameter (or pre-1980, or asbestos) cement water main, install 436 feet of new 8 inch water main, and install 4,497 linear feet of 12 inch water main to update the distribution system for UAZ 318.
- Funding is provided in FY15 to replace approximately 49,500 linear feet of water main in UAZ 362 and UAZ 363.
- In FY15, funding is provided to perform utility locations and related Geographic Information Systems mapping for existing water and sewer infrastructure.
- Funding is provided in FY15 and FY16 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 distribution Facility 1B1. This project will accommodate projected water demand growth.
- Funding is provided in FY15 for the design and construction of a new 5.0 million gallon potable water storage tank to replace two existing tanks and accommodate future demand growth.
- Funding is provided in FY15 for the repair of the 5 million gallon water storage tank at Water Plant 2A to eliminate leaks and enhance structural integrity.
- Funding is provided in FY15 for the construction of a 2.5 million gallon concrete potable water ground storage tank and sodium hypochlorite disinfection facility.

**BROWARD COUNTY CAPITAL BUDGET**

- In FY15-17, 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 FY16 to replace two obsolete switchgears and the main power feed breakers at Water Treatment Plants 1A and 2A.
- Funding is provided in FY15 to enable the provision of potable water service and fire protection to the residences on Woodland Lane that are currently being served by private wells.
- Funding is provided in FY15 to enable the creation of a Water and Wastewater Information Technology disaster recovery data site for the protection of mission critical applications.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>TOTAL</u>
Water and Wastewater Revenues	33,565,740	26,590,280	86,686,560	40,869,480	26,648,000	214,360,060
<b>TOTAL</b>	33,565,740	26,590,280	86,686,560	40,869,480	26,648,000	214,360,060
<b>Funding Requirements</b>						
Design	7,087,878	5,496,340	10,023,000	8,629,500	3,105,000	34,341,718
Construction	25,015,152	19,462,820	74,245,990	31,179,980	21,400,000	171,303,942
Other Capital Costs	1,462,710	1,631,120	2,417,570	1,060,000	2,143,000	8,714,400
<b>TOTAL</b>	33,565,740	26,590,280	86,686,560	40,869,480	26,648,000	214,360,060

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Regional Treatment

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	7,814,580	MY	7,814,580
NRWWTP* Capacity Improvement	1,615,810	49,092,774	10,467,900	15	32,685,400	15	0	---	93,861,884
NRWWTP Disposal System - Transmission System	0	7,500,000	95,000	15	52,000,000	18	5,000,000	17	64,595,000
NRWWTP - Emergency Power System	0	0	3,700,000	17	13,000,000	19	0	---	16,700,000
NRWWTP Energy Project Measurement & Verification	0	0	335,000	MY	0	---	0	---	335,000
NRWWTP - Facilities Improvements	0	8,800,000	13,474,000	15	75,450,000	MY	0	---	97,724,000
NRWWTP - Generator and Switchgear Replacement	222,623	3,327,131	72,950	15	1,000,000	15	0	---	4,622,704
NRWWTP Load Center and Motor Control Centers	153,094	800,006	596,900	MY	4,903,100	16	0	---	6,453,100
NRWWTP Modules A, B and D Fine Bubble Conversion	0	19,232,000	2,000,000	16	0	---	0	---	21,232,000
NRWWTP Operating Permits Compliance	0	250,000	500,000	MY	0	---	1,000,000	18	1,750,000
NRWWTP Rehabilitation	0	800,000	500,000	MY	2,500,000	MY	1,000,000	MY	4,800,000
NRWWTP Steel Structure Repair and Replacement	0	2,500,000	630,000	15	13,160,000	15	0	---	16,290,000
Regional Master Meter Improvements	0	150,000	1,081,500	MY	4,736,550	17	0	---	5,968,050
Rehabilitation of Ocean Outfall Pumps	973,509	613,785	179,160	15	0	---	0	---	1,766,454
Rehabilitation of Treatment Units at WTP1A and WTP2A	0	0	100,000	MY	500,000	16	0	---	600,000
Septage Receiving Facility Operations/Admin. Bldg.	0	0	400,000	MY	1,500,000	17	0	---	1,900,000
Wastewater Supervisory Control and Data Acquisition Replacement	431,831	4,800,738	0	---	700,000	15	0	---	5,932,569

\*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 FY15 for planned, phased construction of the North Regional Water Wastewater Treatment Plant's deep injection well disposal system.
- Funding is provided in FY15, FY17, and FY18, for the design and construction of a reclaimed water line (and additional arterial piping) to support the design and construction of a reclaimed water distribution system in northern Broward County.
- Funding is provided in FY17 and FY19 to construct a new fuel facility and install natural gas service to the NRWWTW to provide flexibility and reliability in fuel resources; cleaner emissions; and reduced energy costs.
- Funding is included in FY15-18 for the long-term Measurement and Verification Services for vendor to monitor and support completed Energy Savings Projects under the Regional Program.
- Over the next four years, funding is provided for miscellaneous infrastructure improvements at the North Regional Water Wastewater Treatment (NRWWTP) facilities.
- In FY16, funding is provided for the upgrade and replacement of Load Centers and Motor Control Centers in the North Regional Water Wastewater Treatment Plant.
- In FY15, funding is provided to replace generator number 4 and related switchgear.
- In FY15 and FY16, funding is provided for the upgrade and replacement of Load Centers and Motor Control Centers at the NRWWTW facilities.
- Funding is provided in FY16 for the conversion of treatment NRWWTW modules A, B and D to fine bubble aeration.
- In FY15-18, funding is provided to meet the Florida Department of Environmental Protection requirement for timely filing of operating permit renewals, periodic response to regulatory inquiries, and to conduct Mechanical Integrity Tests on deep injection wells.
- In FY15-19, funding is provided for various rehabilitation projects at the NRWWTW facilities.
- In FY15, funding is provided for the repair and replacement of various steel structures at the North Regional Water Wastewater Treatment Plant.
- In FY15 and FY17, funding is provided for new and upgraded wholesale billing meters, and associated telemetry equipment, and improvements.
- Funding is provided in FY15 to ensure the reliable operation of the ocean outfall pumps.
- In FY15 and FY16, funding is provided to rehabilitate treatment units at Water Treatment Plant 1A and Water Treatment Plant 2A.

**BROWARD COUNTY CAPITAL BUDGET**

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- In FY15-17, funding is provided to construct a new, code compliant, and equipped, Septage Receiving Facility Operations and Administration building.
- Funding is provided in FY15 to enable the installation of fiber optic cable in support of the Wastewater Supervisory Control and Data Acquisition Replacement project.

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY15</u></b>	<b><u>FY16</u></b>	<b><u>FY17</u></b>	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>TOTAL</u></b>
Water and Wastewater Revenues	100,019,270	15,716,860	30,571,910	89,694,000	15,080,000	251,082,040
<b>TOTAL</b>	100,019,270	15,716,860	30,571,910	89,694,000	15,080,000	251,082,040

**Funding Requirements**

Design	26,173,660	2,742,000	4,882,750	167,000	167,000	34,132,410
Construction	71,245,400	11,753,100	19,636,550	86,000,000	13,500,000	202,135,050
Other Capital Costs	2,600,210	1,221,760	6,052,610	3,527,000	1,413,000	14,814,580
<b>TOTAL</b>	100,019,270	15,716,860	30,571,910	89,694,000	15,080,000	251,082,040

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Regional Transmission

**Funding Summary**

	Actual Expenses Through FY13	Modified FY14 Budget	FY15-19						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	986,020	MY	986,020
Master Pump Station 450 Improvements	45,955	5,095,956	0	---	2,200,000	16	0	---	7,341,911
Master Pump Station 454 Rehabilitation	0	25,000	400,000	MY	1,125,000	17	0	---	1,550,000
Master Pump Station 456 Improvements	45,210	754,791	0	---	3,995,210	16	0	---	4,795,211
Master Pump Station Controls Upgrade	0	750,000	0	---	2,250,000	17	0	---	3,000,000
Master Pump Stations Rehabilitation	0	500,000	750,000	MY	1,750,000	MY	650,000	MY	3,650,000
Retail Wastewater Meter M-471 Replacement	0	600,000	0	---	118,000	15	0	---	718,000
Regional Sewer Air Relief Valves	0	0	150,000	15	2,000,000	MY	0	---	2,150,000
Regional Transmission System Master Plan	0	0	3,000,000	16	0	---	0	---	3,000,000

**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 the engineering study, design and construction, as necessary, to Pump Station 450.
- In FY15-17, funding is provided for the repair and replacement of miscellaneous equipment at Pump Station 454.
- Funding is provided in FY16 for a comprehensive evaluation of pipe condition and a comprehensive survey of 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 repairs and renovations to selected master Pump stations that were not upgraded during the last system-wide upgrade.
- Funding is provided in FY15 to replace existing meters at 2800 North Powerline Road with a new meter.



**BROWARD COUNTY CAPITAL BUDGET**

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- Funding is provided during FY15-17 for the installation of 123 air relief valves in maintenance access structures.
- Funding is provided in FY16 for a comprehensive evaluation of pipe condition to enable prioritization of pipe replacement and detect hidden vulnerabilities.

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY15</u></b>	<b><u>FY16</u></b>	<b><u>FY17</u></b>	<b><u>FY18</u></b>	<b><u>FY19</u></b>	<b><u>TOTAL</u></b>
Water and Wastewater	2,170,080	11,492,330	4,654,820	513,000	544,000	19,374,230
<b>TOTAL</b>	2,170,080	11,492,330	4,654,820	513,000	544,000	19,374,230
<b><u>Funding Requirements</u></b>						
Design	800,000	3,050,000	50,000	50,000	50,000	4,000,000
Construction	1,068,000	7,595,210	4,375,000	350,000	350,000	13,738,210
Other Capital Costs	302,080	847,120	229,820	113,000	144,000	1,636,020
<b>TOTAL</b>	2,170,080	11,492,330	4,654,820	513,000	544,000	19,374,230