

**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 grants, bond proceeds, and airport operating revenues. The Port Everglades capital program is primarily supported by fund balance, bond proceeds, state and federal grants, and operating revenues. The Water and Wastewater capital program is funded primarily by user charges and bond proceeds.

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## AVIATION CAPITAL

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
<b>REVENUES</b>					
Interest Income	1,618,700	1,169,380	881,900	882,500	3,310,000
Less 5%	(80,930)	(58,470)	(44,100)	(44,130)	(165,500)
Transfers from Aviation Operating Fund	15,702,000	8,437,090	7,671,000	5,294,000	4,835,000
Passenger Facilities Charges (PFC)	42,600,000	21,000,000	52,750,000	83,250,000	326,000,000
Federal and State Grants	23,385,450	24,598,370	13,529,000	20,071,000	10,000,000
Future Bond Proceeds / Loans	77,690,000	95,938,210	35,440,000	5,000,000	5,000,000
<b>TOTAL REVENUES</b>	<b><u>\$160,915,220</u></b>	<b><u>\$151,084,580</u></b>	<b><u>\$110,227,800</u></b>	<b><u>\$114,453,370</u></b>	<b><u>\$348,979,500</u></b>
<b>APPROPRIATIONS</b>					
<b><u>Airfields</u></b>					
Remote Transmitter/Radio Relocation	250,000	4,250,000	0	0	0
Taxiway M Construction	0	0	7,500,000	4,500,000	0
Taxiway T Construction	0	0	820,000	7,180,000	0
<b>Subtotal</b>	<b><u>250,000</u></b>	<b><u>4,250,000</u></b>	<b><u>8,320,000</u></b>	<b><u>11,680,000</u></b>	<b><u>0</u></b>
<b><u>Airport Access Roadway System</u></b>					
Airport Access Roadway System	16,000,000	10,000,000	18,000,000	22,000,000	20,000,000
<b>Subtotal</b>	<b><u>16,000,000</u></b>	<b><u>10,000,000</u></b>	<b><u>18,000,000</u></b>	<b><u>22,000,000</u></b>	<b><u>20,000,000</u></b>
<b><u>Terminals</u></b>					
T4 Federal Inspection Service (FIS) Facility	24,500,000	0	0	0	0
T4 Checked Baggage Inspection System	2,750,000	0	0	0	0
T4 Gate Replacement	10,000,000	0	0	0	0
Terminal Connectors	20,000,000	0	0	0	0
Gate Expansion	0	95,000,000	0	0	0
Automated People Mover (APM) Circulator	1,000,000	10,000,000	40,000,000	70,000,000	316,000,000
Baggage Handling System Software Upgrade	3,122,000	0	0	0	0
T1 Checked Baggage Recirculation Area Room Improvements	900,000	6,000,000	0	0	0
T1 Concourse B and C Exterior Windows	1,770,000	0	0	0	0
<b>Subtotal</b>	<b><u>64,042,000</u></b>	<b><u>111,000,000</u></b>	<b><u>40,000,000</u></b>	<b><u>70,000,000</u></b>	<b><u>316,000,000</u></b>
<b><u>General and Administrative</u></b>					
Architectural Services for Master Plan	0	10,000,000	10,000,000	5,000,000	5,000,000
Facility Improvement Allowance	750,000	750,000	750,000	750,000	750,000
Land Acquisition	2,000,000	0	0	0	0
Land Acquisition for Facility Support	10,000,000	0	0	0	0
Naval Air Station Museum	455,000	0	0	0	0
Stormwater Upgrades	5,000,000	0	13,440,000	0	0
On-Call Planning Services	500,000	500,000	500,000	500,000	500,000
Update IT Communications Master Plan	500,000	0	0	0	0
<b>Subtotal</b>	<b><u>19,205,000</u></b>	<b><u>11,250,000</u></b>	<b><u>24,690,000</u></b>	<b><u>6,250,000</u></b>	<b><u>6,250,000</u></b>

**AVIATION CAPITAL**

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
<b><u>Machinery, Equipment, Vehicles &amp; Other</u></b>					
Passenger Boarding Bridges (39) Replacement	33,550,000	0	0	0	0
Information Systems Hardware Renewal & Replacement	1,210,000	1,040,000	2,175,000	2,175,000	2,175,000
Equipment Replacement	12,785,000	425,000	170,000	560,000	240,000
Equipment - New	131,000	0	0	0	0
Vehicles (New)	200,000	0	0	0	0
Vehicles (Replacement)	315,000	435,000	710,000	470,000	260,000
Mobile Application Development	250,000	250,000	250,000	250,000	250,000
IT Communication Room Improvements	400,000	400,000	0	0	0
Radio Replacement	250,000	0	0	0	550,000
Emergency Mass Notification System	750,000	0	0	0	0
<b>Subtotal</b>	<b><u>49,841,000</u></b>	<b><u>2,550,000</u></b>	<b><u>3,305,000</u></b>	<b><u>3,455,000</u></b>	<b><u>3,475,000</u></b>
<b><u>Security</u></b>					
Life Cycle Replacement of Cameras, Network Video Recorders, & Storage Devices	2,159,000	0	0	0	0
Passenger Screening Lanes	0	6,000,000	12,000,000	0	0
<b>Subtotal</b>	<b><u>2,159,000</u></b>	<b><u>6,000,000</u></b>	<b><u>12,000,000</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
<b><u>Parking</u></b>					
Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	4,500,000	0	0	0	0
Parking Revenue Control System Upgrade	250,000	50,000	230,000	230,000	0
Remote Parking Lot Expansion	0	0	2,800,000	0	0
<b>Subtotal</b>	<b><u>4,750,000</u></b>	<b><u>50,000</u></b>	<b><u>3,030,000</u></b>	<b><u>230,000</u></b>	<b><u>0</u></b>
<b><u>North Perry Projects (HWO)</u></b>					
Vehicle Replacement	0	0	45,000	0	40,000
Equipment Replacement	40,000	0	0	0	70,000
Runway 10R-28L (Phase 1) Safety Enhancements	2,090,450	0	0	0	0
Runway 10R-28L (Phase 2) Rehabilitation	0	4,000,000	0	0	0
Dual Taxi Lane Access to Taxiway L for Safety	0	685,460	0	0	0
Security Enhancements Phase 2	1,000,000	0	0	0	0
<b>Subtotal</b>	<b><u>3,130,450</u></b>	<b><u>4,685,460</u></b>	<b><u>45,000</u></b>	<b><u>0</u></b>	<b><u>110,000</u></b>
<b><u>Reserves</u></b>					
Reserves*	1,537,770	1,299,120	837,800	838,370	3,144,500
<b>Subtotal</b>	<b><u>1,537,770</u></b>	<b><u>1,299,120</u></b>	<b><u>837,800</u></b>	<b><u>838,370</u></b>	<b><u>3,144,500</u></b>
<b>TOTAL APPROPRIATIONS</b>	<b><u>\$160,915,220</u></b>	<b><u>\$151,084,580</u></b>	<b><u>\$110,227,800</u></b>	<b><u>\$114,453,370</u></b>	<b><u>\$348,979,500</u></b>

\*Approximately \$20 million in capital reserves are currently budgeted and will carry forward each year of the capital program.

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Airfields

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Remote Transmitter/Radio Relocation	0	500,000	0	---	4,500,000	MY	0	---	5,000,000
Taxiway M Construction	0	0	0	---	12,000,000	MY	0	---	12,000,000
Taxiway T Construction	0	0	820,000	21	7,180,000	22	0		8,000,000

**Project Comments**

- In FY19 and FY20, \$4.5 million is provided to relocate components of the Remote Transmitter/Receiver (RTR), the Automated Surface Weather Observing System and the Wind Measuring Equipment to accommodate proposed airport development.
- In FY21 and FY22, \$12 million is provided for the rehabilitation of Taxiway M.
- In FY21 and FY22, \$8 million is provided for the rehabilitation of Taxiway T.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Aviation Funds	250,000	4,250,000	41,000	359,000	0	4,900,000
Federal/State Grants	0	0	4,529,000	9,071,000	0	13,600,000
Passenger Facilities Charges (PFC)	0	0	3,750,000	2,250,000	0	6,000,000
<b>TOTAL</b>	250,000	4,250,000	8,320,000	11,680,000	0	24,500,000

**Funding Requirements**

Remote Transmitter/Radio Relocation	250,000	4,250,000	0	0	0	4,500,000
Taxiway M Construction	0	0	7,500,000	4,500,000	0	12,000,000
Taxiway T Construction	0	0	820,000	7,180,000	0	8,000,000
<b>TOTAL</b>	250,000	4,250,000	8,320,000	11,680,000	0	24,500,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Airport Access Roadway System

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design		Construction		Other		
			FY	FY	FY	FY			
Airport Access Roadway System	0	10,000,000	2,600,000	19	83,400,000	MY	0	---	96,000,000

**Project Comments**

- In FY19 through FY23, \$86 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.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Federal/State Grants	8,000,000	5,000,000	9,000,000	11,000,000	10,000,000	43,000,000
Passenger Facilities Charges (PFC)	8,000,000	5,000,000	9,000,000	11,000,000	10,000,000	43,000,000
<b>TOTAL</b>	16,000,000	10,000,000	18,000,000	22,000,000	20,000,000	86,000,000

**Funding Requirements**

Airport Access Roadway System	16,000,000	10,000,000	18,000,000	22,000,000	20,000,000	86,000,000
<b>TOTAL</b>	16,000,000	10,000,000	18,000,000	22,000,000	20,000,000	86,000,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Terminals

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
T4 Federal Inspection Service (FIS) Facility	54,579,568	60,420,432	0	---	21,400,000	19	3,100,000	19	139,500,000
T4 Checked Baggage Inspection System	3,705,464	38,929,901	0	---	2,500,000	19	250,000	19	45,385,365
T4 Gate Replacement	127,983,304	345,516,696	0	---	6,200,000	19	3,800,000	19	483,500,000
Terminal Connectors	0	129,000,000	0	---	20,000,000	19	0	---	149,000,000
Gate Expansion	117,685	4,882,315	0	---	95,000,000	20	0	---	100,000,000
Automated People Mover (APM) Circulator	0	0	16,000,000	MY	406,000,000	MY	15,000,000	MY	437,000,000
Baggage Handling System Software Upgrade	0	345,000	0	---	0	---	3,122,000	19	3,467,000
T1 Checked Baggage Recirculation Area Room Improvements	0	0	900,000	19	6,000,000	20	0	---	6,900,000
T1 Concourse B and C Exterior Windows	0	0	255,000	19	1,500,000	19	15,000	19	1,770,000

**Project Comments**

- In FY19, an additional \$24.5 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 and expanding processing areas and the baggage claim area.
- In FY19, an additional \$2,750,000 is provided for the Terminal 4 checked baggage inspection system.
- In FY19, an additional \$10 million is provided for expansion of the existing Terminal 4 from 10 to 14 aircraft parking positions, improve the existing security checkpoint and the FIS within Terminal 4, and link Terminal 4 to Terminal 3 through a secure corridor. This project also includes Broward County Aviation Department (BCAD) office space.
- In FY19, an additional \$20 million is provided for the terminal connector project to give the airport additional facility flexibility in the near and long term. Primary goals are to increase utilization of concessions, enhance gate utilization, and enhance flight connections.
- In FY20, an additional \$95 million is provided for the design and construction of five additional gates to accommodate the demand for passenger facilities at Fort Lauderdale International Airport.
- In FY19-FY23, \$437 million is provided to design and construct an automated People Mover Circulator for the Fort Lauderdale International Airport. Phase I is comprised of approximately 8,000 linear feet of elevated, dual-lane guideway that will traverse the full landside areas of the terminal complex as a bi-directional system with seven stations within the terminal area, providing access to each of the unit terminals, as well as the Palm, Cypress and Hibiscus Garages.

**BROWARD COUNTY CAPITAL BUDGET**

- In FY19, \$3,122,000 is provided to upgrade and consolidate baggage handling system software and hardware for all terminals for both upper and lower level controls.
- In FY19 and FY20, \$6.9 million is provided to design and construct an enhanced Checked Baggage Recirculation Area due to the increased demand of the Checked Baggage Inspection System at Terminal 1.
- In FY19, \$1,770,000 is provided for the replacement of windows in Concourse B (195 windows) and Concourse C (96 windows) in Terminal 1.

<b>Funding Schedule</b>
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<b><u>Funding Sources</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>	<b><u>FY23</u></b>	<b><u>TOTAL</u></b>
Aviation Funds	3,122,000	0	0	0	0	3,122,000
Passenger Facilities Charges (PFC)	4,650,000	16,000,000	40,000,000	70,000,000	316,000,000	446,650,000
Future Bond Proceeds / Loans	56,270,000	95,000,000	0	0	0	151,270,000
<b>TOTAL</b>	<b>64,042,000</b>	<b>111,000,000</b>	<b>40,000,000</b>	<b>70,000,000</b>	<b>316,000,000</b>	<b>601,042,000</b>

**Funding Requirements**

T4 Federal Inspection Service (FIS) Facility	24,500,000	0	0	0	0	24,500,000
T4 Checked Baggage Inspection System	2,750,000	0	0	0	0	2,750,000
T4 Gate Replacement	10,000,000	0	0	0	0	10,000,000
Terminal Connectors	20,000,000	0	0	0	0	20,000,000
Gate Expansion	0	95,000,000	0	0	0	95,000,000
Automated People Mover (APM) Circulator	1,000,000	10,000,000	40,000,000	70,000,000	316,000,000	437,000,000
Baggage Handling System Software Upgrade	3,122,000	0	0	0	0	3,122,000
T1 Checked Baggage Recirculation Area Room Improvements	900,000	6,000,000	0	0	0	6,900,000
T1 Concourse B and C Exterior Windows	1,770,000	0	0	0	0	1,770,000
<b>TOTAL</b>	<b>64,042,000</b>	<b>111,000,000</b>	<b>40,000,000</b>	<b>70,000,000</b>	<b>316,000,000</b>	<b>601,042,000</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

General and Administrative

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Architectural Services for Master Plan	0	5,000,000	30,000,000	MY	0	---	0	---	35,000,000
Facility Improvement Allowance	N/A	N/A	0	---	0	---	3,750,000	MY	3,750,000
Land Acquisition	0	5,000,000	0	---	0	---	2,000,000	19	7,000,000
Land Acquisition for Facility Support	0	0	0	---	0	---	10,000,000	19	10,000,000
Naval Air Station Museum	0	0	120,000	19	335,000	19	0	---	455,000
Stormwater Upgrades	346,754	1,933,246	5,000,000	19	13,440,000	21	0	---	20,720,000
On-Call Planning Services	0	0	2,500,000	MY	0	---	0	---	2,500,000
Update IT Communications Master Plan	0	0	500,000	19	0	---	0	---	500,000

**Project Comments**

- In FY20-23, \$30 million is provided to update the Master Plan for the Fort Lauderdale International Airport. Keeping an up-to-date Master Plan is a federal requirement.
- In FY19-23, an additional \$3,750,000 is provided 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 FY19, an additional \$2 million is funded to purchase the last piece of property within the airport perimeter that is not owned by the airport to construct a drainage pond to provide a buffer between the airport and contiguous property.
- In FY19, \$10 million is funded to purchase nearby, off -airport properties that may have beneficial uses to the airport, per recommendations in the Airport Master Plan.
- In FY19, \$455,000 is provided to replace all exterior windows and doors with impact resistant types, replace the roof and replace the carpeting at the Naval Air Station Museum.
- In FY19 and FY21, an additional \$18.44 million is provided to devise and complete solutions to upgrade stormwater collection that will lend to further airfield expansion and development.
- In FY19-23, an additional \$2.5 million is provided 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 FY19, \$500,000 is provided to update the existing IT Communications Master Plan which was completed in October, 2011. This plan is needed to identify and prioritize improvements necessary for the communications infrastructure.



**BROWARD COUNTY CAPITAL BUDGET**

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**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>	<b><u>FY23</u></b>	<b><u>TOTAL</u></b>
Aviation Funds	2,205,000	1,250,000	1,250,000	1,250,000	1,250,000	7,205,000
Future Bond Proceeds / Loans	17,000,000	10,000,000	23,440,000	5,000,000	5,000,000	60,440,000
<b>TOTAL</b>	<b>19,205,000</b>	<b>11,250,000</b>	<b>24,690,000</b>	<b>6,250,000</b>	<b>6,250,000</b>	<b>67,645,000</b>

**Funding Requirements**

Architectural Services for Master Plan	0	10,000,000	10,000,000	5,000,000	5,000,000	30,000,000
Facility Improvement Allowance	750,000	750,000	750,000	750,000	750,000	3,750,000
Land Acquisition	2,000,000	0	0	0	0	2,000,000
Land Acquisition for Facility Support	10,000,000	0	0	0	0	10,000,000
Naval Air Station Museum	455,000	0	0	0	0	455,000
Stormwater Upgrades	5,000,000	0	13,440,000	0	0	18,440,000
On-Call Planning Services	500,000	500,000	500,000	500,000	500,000	2,500,000
Update IT Communications Master Plan	500,000	0	0	0	0	500,000
<b>TOTAL</b>	<b>19,205,000</b>	<b>11,250,000</b>	<b>24,690,000</b>	<b>6,250,000</b>	<b>6,250,000</b>	<b>67,645,000</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Machinery, Equipment, Vehicles and Other

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Passenger Boarding Bridges (39) Replacement	0	8,000,000	2,500,000	19	31,050,000	19	0	---	41,550,000
Information Systems Hardware Renewal & Replacement	0	2,900,000	0	---	0	---	8,775,000	MY	11,675,000
Equipment Replacement	N/A	N/A	1,077,000	19	10,843,000	19	2,260,000	MY	14,180,000
Equipment - New	N/A	N/A	0	---	0	---	131,000	19	131,000
Vehicles (New)	N/A	N/A	0	---	0	---	200,000	19	200,000
Vehicles (Replacement)	N/A	N/A	0	---	0	---	2,190,000	MY	2,190,000
Mobile Application Development	N/A	N/A	0	---	0	---	1,250,000	MY	1,250,000
IT Communication Room Improvements	0	0	0	---	800,000	MY	0	---	800,000
Radio Replacement	970,359	1,279,641	0	---	0	---	800,000	MY	3,050,000
Emergency Mass Notification System	0	0	450,000	19	0	---	300,000	19	750,000

**Project Comments**

- In FY19, an additional \$33.55 million will be provided to replace 39 Passenger Boarding Bridges throughout the airport.
- In FY19-23, \$8.775 million is provided for information systems (hardware) renewal and replacement.
- In FY19-23, \$14,180,000 is provided for the replacement of various pieces of equipment that have reached their service life. Planning and design costs are also included for escalator, ceiling lighting and air handler replacement.
- In FY19, \$131,000 is provided for new equipment to support Maintenance needs.
- In FY19, \$200,000 is provided to purchase 9 new vehicles to support the Emergency Management Operation needs.
- In FY19-23, \$2,190,000 is provided for the replacement of vehicles.
- In FY19-23, an additional \$1,250,000 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 FY19 and FY20, \$800,000 is provided for required improvements to the computer rooms, such as dedicated room generators, air conditioning replacement, and replacement of the wet fire suppression system with a dry fire suppression system.

**BROWARD COUNTY CAPITAL BUDGET**

- In FY19, an additional \$250,000 is provided to purchase additional radio equipment as a result of increased staffing levels and to replace obsolete radio equipment, as well as to provide all the infrastructure necessary to effectively communicate with the Countywide P-25 800 MHz and Local Government 400 Mhz radios. In FY23, an additional \$550,000 is anticipated as a result of future facilities modernization and expansion.
- In FY19, \$750,000 is provided to plan and design a free-standing emergency mass notification system that will provide access to information and/or emergency communications in the garages, employee lot, and on the curb of the terminal roadways. The system will integrate with the visual paging and public announcement systems being upgraded throughout the airport.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Aviation Funds	4,371,000	2,550,000	3,305,000	3,455,000	3,475,000	17,156,000
Passenger Facilities Charges (PFC)	30,550,000	0	0	0	0	30,550,000
Federal/State Grants	3,000,000	0	0	0	0	3,000,000
Future Bond Proceeds / Loans	11,920,000	0	0	0	0	11,920,000
<b>TOTAL</b>	<b>49,841,000</b>	<b>2,550,000</b>	<b>3,305,000</b>	<b>3,455,000</b>	<b>3,475,000</b>	<b>62,626,000</b>

**Funding Requirements**

Passenger Boarding Bridges (39) Replacement	33,550,000	0	0	0	0	33,550,000
Information Systems Hardware Renewal & Replacement	1,210,000	1,040,000	2,175,000	2,175,000	2,175,000	8,775,000
Equipment Replacement	12,785,000	425,000	170,000	560,000	240,000	14,180,000
Equipment - New	131,000	0	0	0	0	131,000
Vehicles (New)	200,000	0	0	0	0	200,000
Vehicles (Replacement)	315,000	435,000	710,000	470,000	260,000	2,190,000
Mobile Application Development	250,000	250,000	250,000	250,000	250,000	1,250,000
IT Communication Room Improvements	400,000	400,000	0	0	0	800,000
Radio Replacement	250,000	0	0	0	550,000	800,000
Emergency Mass Notification System	750,000	0	0	0	0	750,000
<b>TOTAL</b>	<b>49,841,000</b>	<b>2,550,000</b>	<b>3,305,000</b>	<b>3,455,000</b>	<b>3,475,000</b>	<b>62,626,000</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Security

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Life Cycle Replacement of Cameras, NVRs, & Storage Devices	0	0	0	---	0	---	2,159,000	19	2,159,000
Passenger Screening Lanes	0	0	0	---	0	---	18,000,000	MY	18,000,000

**Project Comments**

- In FY19, \$2,159,000 is provided to replace all the obsolete cameras, network video recorders (NVRs), and storage devices at FLL.
- In FY20 and FY21, \$18 million is provided to design and install innovative passenger screening lanes in FLL Terminals 1, 2, 3, and 4. Thirty-six innovative passenger screening lanes are planned for installation throughout the four terminals.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Aviation Funds	2,159,000	0	0	0	0	2,159,000
Future Bond Proceeds / Loans	0	6,000,000	12,000,000	0	0	18,000,000
<b>TOTAL</b>	2,159,000	6,000,000	12,000,000	0	0	20,159,000

**Funding Requirements**

Life Cycle Replacement of Cameras, NVRs, & Storage Devices	2,159,000	0	0	0	0	2,159,000
Passenger Screening Lanes	0	6,000,000	12,000,000	0	0	18,000,000
<b>TOTAL</b>	2,159,000	6,000,000	12,000,000	0	0	20,159,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Parking

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	721,278	15,278,722	500,000	19	4,000,000	19	0	---	20,500,000
Parking Revenue Control System Upgrade	0	600,000	0	---	760,000	MY	0	---	1,360,000
Remote Parking Lot Expansion	695,939	504,061	0	---	2,800,000	21	0	---	4,000,000

**Project Comments**

- In FY19, an additional \$4.5 million is provided to repair the aging Hibiscus parking garage (built in 2000), the Palm parking garage (built in 1983), and the Rental Car Facility parking garage (built in 2005) and to extend the useful life of these parking garages. Also, this project will incorporate energy efficiency measures to reduce operating costs and will make the appearance more uniform and pleasing.
- In FY19-22, an additional \$760,000 is provided to upgrade the Parking Access and Revenue Control System to replace end of life components to lengthen system functionality.
- In FY21, an additional \$2.8 million is provided to develop additional capacity for employee parking either by modifying and expanding the current lot at SW 42nd Street in Dania Beach, or constructing an additional lot on existing airport-owned property. The current surface parking lot has a capacity of 4,012 spaces, which is already at full capacity utilization.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Aviation Funds	250,000	50,000	3,030,000	230,000	0	3,560,000
Future Bond Proceeds / Loans	4,500,000	0	0	0	0	4,500,000
<b>TOTAL</b>	4,750,000	50,000	3,030,000	230,000	0	8,060,000

**Funding Requirements**

Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	4,500,000	0	0	0	0	4,500,000
Parking Revenue Control System Upgrade	250,000	50,000	230,000	230,000	0	760,000
Remote Parking Lot Expansion	0	0	2,800,000	0	0	2,800,000
<b>TOTAL</b>	4,750,000	50,000	3,030,000	230,000	0	8,060,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

North Perry Projects (HWO)

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY 18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Vehicle Replacement	N/A	N/A	0	---	0	---	85,000	MY	85,000
Equipment Replacement	N/A	N/A	0	---	0	---	110,000	MY	110,000
Runway 10R-28L (Phase 1) Safety Enhancements	0	250,000	0	---	2,090,450	19	0	---	2,340,450
Runway 10R-28L (Phase 2) Rehabilitation	0	0	200,000	20	3,800,000	20	0	---	4,000,000
Dual Taxilane Access to Taxiway L for Safety	0	0	185,460	20	500,000	20	0	---	685,460
Security Enhancements Phase 2	0	0	176,000	19	824,000	19	0	---	1,000,000

**Project Comments**

- In FY21 and FY23, a total of \$85,000 is provided for the replacement of vehicles.
- In FY19 and FY23, \$110,000 is provided for the replacement of equipment.
- In FY19, an additional \$2,090,450 is provided for phase 1 of the North Perry runway 10R-28L safety enhancements. This runway is the main runway at the North Perry Airport.
- In FY20, \$4 million is provided for phase 2 of the runway 10R-28L safety enhancements. In accordance with the 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.
- In FY20, \$685,460 is provided to construct a dual taxilane coming from the Wayman Aviation Flight School and accessing the airfield via Taxiway "L". This improvement will make it easier for aircraft out of Wayman to access the airfield.
- In FY19, the funding source for the Security Enhancements phase 2 project changed from PFC funding to grant and cash funding (\$1,000,000). There is no net increase in the project budget.

**BROWARD COUNTY CAPITAL BUDGET**

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**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>	<b><u>FY23</u></b>	<b><u>TOTAL</u></b>
Aviation Funds	345,000	337,090	45,000	0	110,000	837,090
Federal/State Grants	2,785,450	4,348,370	0	0	0	7,133,820
<b>TOTAL</b>	<b>3,130,450</b>	<b>4,685,460</b>	<b>45,000</b>	<b>0</b>	<b>110,000</b>	<b>7,970,910</b>

**Funding Requirements**

Vehicle Replacement	0	0	45,000	0	40,000	85,000
Equipment Replacement	40,000	0	0	0	70,000	110,000
Runway 10R-28L (Phase 1) Safety Enhancements	2,090,450	0	0	0	0	2,090,450
Runway 10R-28L (Phase 2) Rehabilitation	0	4,000,000	0	0	0	4,000,000
Dual Taxilane Access to Taxiway L for Safety	0	685,460	0	0	0	685,460
Security Enhancements Phase 2	1,000,000	0	0	0	0	1,000,000
<b>TOTAL</b>	<b>3,130,450</b>	<b>4,685,460</b>	<b>45,000</b>	<b>0</b>	<b>110,000</b>	<b>7,970,910</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Aviation

**PROJECT**

Reserves

**Funding Summary**

	Actual Expenses Through FY 17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Aviation Reserves	N/A	N/A	0	---	0	---	7,657,560	MY	7,657,560

**Project Comments**

- Since the Aviation Capital Program is a multi-year budget, only the incremental increase to the reserves is shown in the capital program. There is currently approximately \$20 million in reserves in the Aviation capital funds that will carry over to future years.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Interest Income	1,537,770	1,299,120	837,800	838,370	3,144,500	7,657,560
<b>TOTAL</b>	1,537,770	1,299,120	837,800	838,370	3,144,500	7,657,560
<u>Funding Requirements</u>						
Aviation Reserves	1,537,770	1,299,120	837,800	838,370	3,144,500	7,657,560
<b>TOTAL</b>	1,537,770	1,299,120	837,800	838,370	3,144,500	7,657,560



**BROWARD COUNTY CAPITAL BUDGET****AVIATION FLL CAPITAL FUND (40350)****REVENUES****FY19**

Interest Income	900,470
Less 5%	(45,020)
Federal Grants	12,000,000
Transfer from Aviation Operating Funds	12,357,000
Bond Proceeds	77,690,000
<b>TOTAL</b>	<b>\$102,902,450</b>

**APPROPRIATIONS**

Remote Transmitter/Radio Relocation	250,000
T4 Federal Inspection Service (FIS) Facility	24,500,000
T4 Gate Replacement	10,000,000
Terminal Connectors	20,000,000
Baggage Handling System Software Upgrade	3,122,000
T1 Concourse B and C Exterior Windows	1,770,000
Facility Improvement Allowance	750,000
Land Acquisition	2,000,000
Land Acquisition for Facility Support	10,000,000
Naval Air Station Museum	455,000
Stormwater Upgrades	5,000,000
On-Call Planning Services	500,000
Update IT Communications Master Plan	500,000
Information Systems Hardware Renewal & Replacement	1,210,000
Equipment Replacement	12,785,000
Equipment - New	131,000
Vehicles (Replacement)	315,000
Vehicles (New)	200,000
Mobile Application Development	250,000
IT Communication Room Improvements	400,000
Radio Replacement	250,000
Emergency Mass Notification System	750,000
Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	4,500,000
Parking Revenue Control System Upgrade	250,000
Life Cycle Replacement of Cameras, NVRs, & Storage Devices	2,159,000
Reserves	855,450
<b>TOTAL</b>	<b>\$102,902,450</b>

**BROWARD COUNTY CAPITAL BUDGET**

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**AVIATION PFC CAPITAL FUND (40450)**

**REVENUES**

**FY19**

Interest Income	714,780
Less 5%	(35,740)
FAA/FDOT Grants	8,600,000
Transfer from Aviation Operating Funds	3,000,000
Passenger Facilities Charges (PFC)	42,600,000

**TOTAL**

**\$54,879,040**

**APPROPRIATIONS**

Airport Access Roadway System	16,000,000
T4 Checked Baggage Inspection System	2,750,000
Automated People Mover (APM) Circulator	1,000,000
T1 Checked Baggage Recirculation Area Room Improvements	900,000
Passenger Boarding Bridges (39) Replacement	33,550,000
Reserves	679,040

**TOTAL**

**\$54,879,040**

**NORTH PERRY AIRPORT CAPITAL FUND (40550)**

**FY19**

**REVENUES**

Interest Income	3,450
Less 5%	(170)
State and Federal Grants	2,785,450
Transfer from Aviation Operating Funds	345,000
<b>TOTAL</b>	<b>\$3,133,730</b>

**APPROPRIATIONS**

Equipment Replacement	40,000
Runway 10R-28L (Phase 1) Safety Enhancements	2,090,450
Security Enhancements Phase 2	1,000,000
Reserves	3,280
<b>TOTAL</b>	<b>\$3,133,730</b>

**BROWARD COUNTY CAPITAL BUDGET**

**PORT EVERGLADES CAPITAL**

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
<b>REVENUES</b>					
State Grants/Federal Grants	18,400,000	24,861,000	3,500,000	3,500,000	3,500,000
Future Bond Proceeds/Financing	277,369,220	146,993,000	61,515,500	71,787,500	48,862,000
Transfer from Operating Fund	30,000,000	30,000,000	30,000,000	30,000,000	30,000,000
Interest Income	400,000	400,000	400,000	400,000	400,000
Less 5%	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Fund Balance	5,000,000	0	0	0	0
<b>TOTAL REVENUES</b>	<b>\$331,149,220</b>	<b>\$202,234,000</b>	<b>\$95,395,500</b>	<b>\$105,667,500</b>	<b>\$82,742,000</b>
<b>APPROPRIATIONS</b>					
<b><u>General Infrastructure Facilities</u></b>					
Miscellaneous Infrastructure Improvements	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000
Annual Fender, Mooring & Bollard Improvements	500,000	500,000	500,000	500,000	500,000
<b>Subtotal</b>	<b>1,550,000</b>	<b>1,550,000</b>	<b>1,550,000</b>	<b>1,550,000</b>	<b>1,550,000</b>
<b><u>2014 Master Plan Projects - Midport Improvements</u></b>					
Cruise Terminal 21	30,000,000	30,000,000	0	0	0
Cruise Terminal 29	0	0	1,250,000	12,875,000	12,875,000
Multimodal Facility - Phase 1	0	0	16,480,000	22,454,000	0
Tracor Basin Fill	0	0	4,400,000	22,660,000	22,660,000
New Bulkheads at Berths 16, 17, & 18	0	11,948,000	11,948,000	0	0
New Bulkheads at Berths 19 & 20	0	0	0	1,700,000	7,982,500
New Bulkheads at Berths 21 & 22	0	9,579,000	9,579,000	0	0
<b>Subtotal</b>	<b>30,000,000</b>	<b>51,527,000</b>	<b>43,657,000</b>	<b>59,689,000</b>	<b>43,517,500</b>
<b><u>2014 Master Plan Projects - Northport Improvements</u></b>					
Terminal 2 & 4 Parking Garages	52,000,000	44,000,000	0	0	0
New Bulkheads at Berths 1, 2 & 3	11,639,000	0	0	0	0
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	10,500,000	0	0	0	0
Slip 1 New Bulkheads at Berths 7 & 8 Phase II	20,627,000	20,627,000	0	0	0
Slip 3 Bulkheads at Berths 14 & 15	0	2,500,000	12,823,500	12,823,500	0
<b>Subtotal</b>	<b>94,766,000</b>	<b>67,127,000</b>	<b>12,823,500</b>	<b>12,823,500</b>	<b>0</b>

## PORT EVERGLADES CAPITAL

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
<b><u>2014 Master Plan Projects - Southport Improvements</u></b>					
Southport Turning Notch Expansion - Contracts 1 & 2	102,978,220	0	0	0	0
Super Post Panamax Cranes	0	0	15,000,000	15,000,000	0
Phase 9a Container Yard	15,800,000	0	0	0	0
Berth 33 Reconfiguration	0	0	0	5,100,000	26,419,500
<b>Subtotal</b>	<b><u>118,778,220</u></b>	<b><u>0</u></b>	<b><u>15,000,000</u></b>	<b><u>20,100,000</u></b>	<b><u>26,419,500</u></b>
<b><u>2014 Master Plan Projects - Portwide</u></b>					
Army Corps of Engineers Deepening & Widening	41,375,000	52,750,000	2,000,000	0	0
<b>Subtotal</b>	<b><u>41,375,000</u></b>	<b><u>52,750,000</u></b>	<b><u>2,000,000</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
<b><u>Other Port Capital Improvements</u></b>					
Annual Crane Parts & Support	1,500,000	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	0	8,750,000	8,750,000	0	0
General Architectural/Engineering Services	2,900,000	2,900,000	2,900,000	2,900,000	2,900,000
General Terminal Improvements	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
In-House Labor & Overhead	500,000	500,000	500,000	500,000	500,000
Matching Funds for Port Security	925,000	775,000	360,000	250,000	0
Miscellaneous Terminal Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Public Works Facility Building	6,000,000	6,000,000	0	0	0
Port Information Technology Systems	105,000	105,000	105,000	105,000	105,000
Portwide Wayfinding/Signage	2,000,000	0	0	0	0
Renew/Replace Equipment	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Art In Public Places	350,000	350,000	350,000	350,000	350,000
Southport Gantry Cranes - Civil/Electrical/Site	6,300,000	0	0	0	0
Logistics Center Milestone Payment	0	2,500,000	0	0	0
<b>Subtotal</b>	<b><u>24,680,000</u></b>	<b><u>26,280,000</u></b>	<b><u>17,365,000</u></b>	<b><u>8,505,000</u></b>	<b><u>8,255,000</u></b>
<b><u>Reserves</u></b>					
Reserve for Renewal/Replacement	20,000,000	3,000,000	3,000,000	3,000,000	3,000,000
<b>Subtotal</b>	<b><u>20,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>	<b><u>3,000,000</u></b>
<b>TOTAL APPROPRIATIONS</b>	<b><u>\$331,149,220</u></b>	<b><u>\$202,234,000</u></b>	<b><u>\$95,395,500</u></b>	<b><u>\$105,667,500</u></b>	<b><u>\$82,742,000</u></b>

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**  
Port Everglades

**PROJECT**  
General Infrastructure Facilities

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Miscellaneous Infrastructure Improvements	N/A	1,861,855	0	--	0	--	5,250,000	MY	7,111,855
Annual Fender, Mooring & Bollard Improvements	N/A	1,942,580	0	--	0	--	2,500,000	MY	4,442,580

**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>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	7,750,000
<b>TOTAL</b>	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	7,750,000

**Funding Requirements**

Miscellaneous Infrastructure Improvements	1,050,000	1,050,000	1,050,000	1,050,000	1,050,000	5,250,000
Annual Fender, Mooring & Bollard Improvements	500,000	500,000	500,000	500,000	500,000	2,500,000
<b>TOTAL</b>	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	7,750,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**  
Port Everglades

**PROJECT**  
2014 Master Plan Projects - Midport Improvements

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Cruise Terminal 21	0	12,500,000	0	--	60,000,000	MY	0	--	72,500,000
Cruise Terminal 29	0	175,000	1,250,000	21	25,750,000	MY	0	--	27,175,000
Multimodal Facility - Phase 1	0	3,000,000	0	--	38,934,000	MY	0	--	41,934,000
Tracor Basin Fill	0	0	4,400,000	21	45,320,000	MY	0	--	49,720,000
New Bulkheads at Berths 16, 17, & 18	0	2,300,000	0	--	23,896,000	MY	0	--	26,196,000
New Bulkheads at Berths 19 & 20	0	0	1,700,000	22	7,982,500	23	0	--	9,682,500
New Bulkheads at Berths 21 & 22	0	1,900,000	0	--	19,158,000	MY	0	--	21,058,000

**Project Comments**

- \$60 million is budgeted in FY19-20 for renovations at Cruise Terminal 21.
- \$27 million is programmed in FY21-23 for improvements to Cruise Terminal 29 to achieve greater operational flexibility in handling cruise ships while improving passenger flow and baggage handling.
- \$38.9 million is appropriated in FY21-22 for the design and construction of a multimodal facility centrally located for the loading and unloading of buses, shuttles, and taxis. This facility will also provide 4,000 additional parking spaces at Midport.
- \$49.7 million is programmed in FY21-23 for the design and construction of filling the Tracor Basin in order to lengthen Berth 29 to the north.
- \$52.7 million is programmed in FY20-23 for the design and construction of new bulkheads at Berths 16, 17, 18, 19, 20, 21 and 22.

**BROWARD COUNTY CAPITAL BUDGET**

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>	<b><u>FY23</u></b>	<b><u>TOTAL</u></b>
Future Bond Proceeds/Financing	30,000,000	51,527,000	43,657,000	59,689,000	43,517,500	228,390,500
<b>TOTAL</b>	30,000,000	51,527,000	43,657,000	59,689,000	43,517,500	228,390,500
<b><u>Funding Requirements</u></b>						
Cruise Terminal 21	30,000,000	30,000,000	0	0	0	60,000,000
Cruise Terminal 29	0	0	1,250,000	12,875,000	12,875,000	27,000,000
Multimodal Facility - Phase 1	0	0	16,480,000	22,454,000	0	38,934,000
Tracor Basin Fill	0	0	4,400,000	22,660,000	22,660,000	49,720,000
New Bulkheads at Berths 16, 17, & 18	0	11,948,000	11,948,000	0	0	23,896,000
New Bulkheads at Berths 19 & 20	0	0	0	1,700,000	7,982,500	9,682,500
New Bulkheads at Berths 21 & 22	0	9,579,000	9,579,000	0	0	19,158,000
<b>TOTAL</b>	30,000,000	51,527,000	43,657,000	59,689,000	43,517,500	228,390,500



**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**  
Port Everglades

**PROJECT**  
2014 Master Plan Projects- Northport Improvements

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Cruise Terminal 2 & 4 Parking Garages	407,318	29,007,157	0	--	96,000,000	MY	0	--	125,414,475
New Bulkheads at Berths 1, 2,3	0	13,939,000	0	--	11,639,000	19	0	--	25,578,000
Slip 1 New Bulkheads at Berths 7 & 8 Phase II	0	2,700,000	0	--	41,254,000	MY	0	--	43,954,000
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	2,337,414	82,031,205	0	--	10,500,000	19	0	--	94,868,619
Slip 3 Bulkheads at Berths 14 & 15	0	0	2,500,000	20	25,647,000	MY	0	--	28,147,000

**Project Comments**

- \$96 million is programmed in FY19-20 for a new 1,680 space parking garage located west of Cruise Terminal 4 to serve both Cruise Terminals 2 and 4.
- \$91.5 million is programmed in FY19-22 for the construction of new bulkheads at Berths 1, 2, 3, 7, 8, 9, 10,14, and 15.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	0	0	0	725,000	0	725,000
Future Bond Proceeds/Financing	94,766,000	67,127,000	12,823,500	12,098,500	0	186,815,000
<b>TOTAL</b>	94,766,000	67,127,000	12,823,500	12,823,500	0	187,540,000

**Funding Requirements**

Cruise Terminal 2 & 4 Parking Garages	52,000,000	44,000,000	0	0	0	96,000,000
New Bulkheads at Berths 1, 2,3	11,639,000	0	0	0	0	11,639,000
Slip 1 New Bulkheads at Berths 7 & 8 Phase II	20,627,000	20,627,000	0	0	0	41,254,000
Slip 1 New Bulkheads at Berths 9 & 10 Phase I	10,500,000	0	0	0	0	10,500,000
Slip 3 Bulkheads at Berths 14 & 15	0	2,500,000	12,823,500	12,823,500	0	28,147,000
<b>TOTAL</b>	94,766,000	67,127,000	12,823,500	12,823,500	0	187,540,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**  
Port Everglades

**PROJECT**  
2014 Master Plan Projects - Southport Improvements

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Southport Turning Notch Expansion-Contracts 1 & 2	24,706,893	278,836,035	0	--	102,978,220	19	0	--	406,521,148
Super Post Panamax Cranes	2,696,707	53,977,871	0	--	0	--	30,000,000	MY	86,674,578
Phase 9a Container Yard	45,983	1,797,678	0	--	15,800,000	19	0	--	17,643,661
Berth 33 Reconfiguration	0	0	5,100,000	22	26,419,500	23	0	--	31,519,500

**Project Comments**

- \$103 million is programmed in FY19 for the Southport Turning Notch expansion of Berth 30 and the addition of a new berth for the importation of crushed rock aggregate.
- \$30 million is programmed in FY21-22 for the acquisition of two new post-Panama gantry cranes to be positioned at the proposed Southport Turning Notch Expansion location.
- \$15.8 million is programmed in FY19 for construction of a new container yard west of McIntosh Road.
- \$31.5 million is programmed in FY22-23 for configuration of Berth 33 to add container yard space.

**Funding Schedule**

<u>Funding Sources</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	0	0	11,965,000	20,100,000	21,075,000	53,140,000
Future Bond Proceeds/Financing	118,778,220	0	3,035,000	0	5,344,500	127,157,720
<b>TOTAL</b>	118,778,220	0	15,000,000	20,100,000	26,419,500	180,297,720

**Funding Requirements**

Southport Turning Notch Expansion-Contracts 1 & 2	102,978,220	0	0	0	0	102,978,220
Super Post Panamax Cranes	0	0	15,000,000	15,000,000	0	30,000,000
Phase 9a Container Yard	15,800,000	0	0	0	0	15,800,000
Berth 33 Reconfiguration	0	0	0	5,100,000	26,419,500	31,519,500
<b>TOTAL</b>	118,778,220	0	15,000,000	20,100,000	26,419,500	180,297,720

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Port Everglades

**PROJECT**

2014 Master Plan Projects - Portwide

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Army Corps of Engineers Deepening & Widening	2,613,476	108,919,967	0	--	96,125,000	MY	0	--	207,658,443

**Project Comments**

- \$96.1 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.

**Funding Schedule**

<b>Funding Sources</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>TOTAL</b>
State Grants/Federal Grants*	18,400,000	24,861,000	0	0	0	43,261,000
Future Bond Proceeds/Financing	22,975,000	27,889,000	2,000,000	0	0	52,864,000
<b>TOTAL</b>	41,375,000	52,750,000	2,000,000	0	0	96,125,000
<b>Funding Requirements</b>						
Army Corps of Engineers Deepening & Widening	41,375,000	52,750,000	2,000,000	0	0	96,125,000
<b>TOTAL</b>	41,375,000	52,750,000	2,000,000	0	0	96,125,000

\*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 FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Annual Crane Parts & Support	N/A	3,092,589	0	--	0	--	2,700,000	MY	5,792,589
Annual Spare Parts for Loading Bridges	N/A	2,058,022	0	--	0	--	500,000	MY	2,558,022
Crane Improvements/Replacements	N/A	2,965,771	0	--	0	--	17,500,000	MY	20,465,771
General Architectural/Engineering Services	N/A	5,071,929	0	--	0	--	14,500,000	MY	19,571,929
General Terminal Improvements	N/A	5,009,000	0	--	0	--	10,000,000	MY	15,009,000
In-House Labor & Overhead	N/A	N/A	0	--	0	--	2,500,000	MY	2,500,000
Matching Funds for Port Security	N/A	4,207,506	0	--	0	--	2,310,000	MY	6,517,506
Miscellaneous Terminal Improvements	N/A	1,198,208	0	--	0	--	5,000,000	MY	6,198,208
Public Works Facility Building	0	3,992,000	0	--	12,000,000	MY	0	--	15,992,000
Port Information Technology Systems	N/A	2,785,010	0	---	0	---	525,000	MY	3,310,010
Portwide Wayfinding/Signage	0	800,000	0	--	0	--	2,000,000	19	2,800,000
Renew/Replace Equipment	N/A	1,086,282	0	---	0	---	5,000,000	MY	6,086,282
Art in Public Places	N/A	1,589,910	0	---	0	---	1,750,000	MY	3,339,910
Southport Gantry Cranes - Civil/Electrical/Site	N/A	73,593,438	0	---	6,300,000	19	0	---	79,893,438
Logistics Center Milestone Payment	0	0	0	---	0	---	2,500,000	20	2,500,000

<b>Project Comments</b>
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- In FY19, an additional \$2 million is budgeted for Portwide signage is provided to increase navigational aids throughout the port and provide assistance in locating cruise terminals.
- \$2.7 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.
- \$17.5 million is programmed in FY20-21 for crane upgrades, new crane hardware, and increasing lifting capacity.
- \$14.5 million is programmed over the course of the 5-year capital program for general architectural and engineering services.
- \$15 million is programmed in FY19-23 for general and miscellaneous improvements to cruise terminals.
- \$2.5 million is programmed in FY19-23 for in house labor and overhead costs associated with capital projects.
- \$2.3 million is programmed in FY19-22 for Port security improvements for Port and Fire Rescue operations.
- \$12 million is provided in FY19-20 for the construction of a new Public Works building.
- Annual funding of \$105,000 is provided for equipment, software and services to maintain an optimum technological environment. Improved technology will provide for greater operational efficiencies.
- \$5 million is programmed in FY19-23 for replacement equipment.
- Funding for Public Art and Design is provided in the 5 year capital program to fund integrated and functional art projects that enhance the aesthetics of Port Everglades capital improvements.
- Funding of \$6.3 million is provided in FY19 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 new Southport gantry cranes.
- In FY20, a Logistics Center Milestone payment of \$2.5 million is budgeted as part of a public/private partnership to construct a new Foreign Trade Zone.

**BROWARD COUNTY CAPITAL BUDGET**

**Funding Schedule**

<b>Funding Sources</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>TOTAL</b>
Fund Balance/Operating Revenues	13,830,000	25,830,000	13,865,000	5,005,000	4,755,000	63,285,000
State Grants/Federal Grants*	0	0	3,500,000	3,500,000	3,500,000	10,500,000
Future Bond Proceeds/Financing	10,850,000	450,000	0	0	0	11,300,000
<b>TOTAL</b>	<b>24,680,000</b>	<b>26,280,000</b>	<b>17,365,000</b>	<b>8,505,000</b>	<b>8,255,000</b>	<b>85,085,000</b>
<b>Funding Requirements</b>						
Annual Crane Parts & Support	1,500,000	300,000	300,000	300,000	300,000	2,700,000
Annual Spare Parts for Loading Bridges	100,000	100,000	100,000	100,000	100,000	500,000
Crane Improvements/Replacements	0	8,750,000	8,750,000	0	0	17,500,000
General Architectural/Engineering Services	2,900,000	2,900,000	2,900,000	2,900,000	2,900,000	14,500,000
General Terminal Improvements	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
In-House Labor & Overhead	500,000	500,000	500,000	500,000	500,000	2,500,000
Matching Funds for Port Security	925,000	775,000	360,000	250,000	0	2,310,000
Miscellaneous Terminal Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Public Works Facility Building	6,000,000	6,000,000	0	0	0	12,000,000
Port Information Technology Systems	105,000	105,000	105,000	105,000	105,000	525,000
Portwide Wayfinding/Signage	2,000,000	0	0	0	0	2,000,000
Renew/Replace Equipment	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Art in Public Places	350,000	350,000	350,000	350,000	350,000	1,750,000
Southport Gantry Cranes - Civil/Electrical/Site	6,300,000	0	0	0	0	6,300,000
Logistics Center Milestone Payment	0	2,500,000	0	0	0	2,500,000
<b>TOTAL</b>	<b>24,680,000</b>	<b>26,280,000</b>	<b>17,365,000</b>	<b>8,505,000</b>	<b>8,255,000</b>	<b>85,085,000</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**  
Port Everglades Reserves

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						
			Design	FY	Construction	FY	Other	FY	Total
Reserve for Renewal/Replacement	N/A	N/A	0	--	0	--	32,000,000	MY	32,000,000

**Project Comments**

- \$32 million is programmed for reserve for renewal and replacement over the 5 year capital program.

**Funding Schedule**

<b>Funding Sources</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>TOTAL</b>
Fund Balance/Operating Revenues	20,000,000	3,000,000	3,000,000	3,000,000	3,000,000	32,000,000
<b>TOTAL</b>	20,000,000	3,000,000	3,000,000	3,000,000	3,000,000	32,000,000
<b>Funding Requirements</b>						
Reserve for Renewal/Replacement	20,000,000	3,000,000	3,000,000	3,000,000	3,000,000	32,000,000
<b>TOTAL</b>	20,000,000	3,000,000	3,000,000	3,000,000	3,000,000	32,000,000

**WATER AND WASTEWATER CAPITAL**

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
<b>REVENUES</b>					
User Fees	33,000,000	37,598,090	37,932,580	36,947,580	19,763,580
Capital Recovery Charges	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Future Bond Proceeds	86,589,200	45,000,000	9,000,000	65,000,000	0
<b>TOTAL REVENUES</b>	<b><u>\$121,589,200</u></b>	<b><u>\$84,598,090</u></b>	<b><u>\$48,932,580</u></b>	<b><u>\$103,947,580</u></b>	<b><u>\$21,763,580</u></b>

**APPROPRIATIONS**

**Retail Water & Wastewater**

Generic Administrative Campus Facilities Replacement	400,000	0	0	0	0
Capital Project Support	973,370	1,078,480	1,078,480	1,078,480	1,078,480
Generic Developer Agreement Funding	300,000	300,000	300,000	300,000	300,000
Automatic Meter Reading Technology	100,000	0	0	0	0
District 2A & North Regional Wellfield Expansion	0	350,000	850,000	0	0
District 2 Septic Tank Elimination - Area 2-F	0	3,000,000	0	0	0
District 2 Septic Tank Elimination Area 2-G	20,010	0	0	0	0
District 3A Septic Tank Elimination - Area 3A-N	1,909,000	0	0	0	0
District 3A Septic Tank Elimination - Area 3A-O	0	0	1,800,000	0	7,000,000
District 3A Septic Tank Elimination - Area 3A-Y	0	0	1,030,000	0	4,000,000
District 3A Collection System Model 300	4,270	0	0	0	0
District 3BC Septic Tank Elimination	2,589,240	2,300,000	0	23,700,000	0
Generic Facilities Rehabilitation	300,000	400,000	300,000	300,000	300,000
Generic Utility Locating and GIS Mapping	350,000	350,000	350,000	300,000	300,000
Facility Chlorination System 3B	359,340	0	0	0	0
Tier 4 EPA Generator Compliance	109,460	0	0	0	0
Hillsboro Mile Wastewater System Improvements	2,313,850	0	0	0	0
Incident Command Center HVAC Replacement	151,000	0	0	0	0
Davis Isles New Sewers and Water Main Replacement	0	2,220,000	0	0	0
Lift Station 30E & 50K2 Relocation	251,160	0	0	0	0



**WATER AND WASTEWATER CAPITAL**

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
Generic Lift Station Rehabilitation	2,800,000	2,550,000	2,300,000	2,300,000	2,300,000
Master Pump Station 220 Rehabilitation	27,460	598,830	0	0	0
Lift Station 300 Emergency Generator	0	60,000	500,000	0	0
Lift Station 222 Generator & Odor Control	500,000	0	0	0	0
UAZ** 362 & 363 Water Main Replacement	801,080	0	0	0	0
Generic Multi-District Inflow/Infiltration Reduction Program	1,500,000	1,000,000	1,000,000	1,000,000	1,000,000
Reclaimed Water Transmission System Expansion	1,000,010	0	0	0	0
Ravenswood Road 12" WM & 16" FM Crossing	40,000	0	0	0	0
Generic Septic Tank Elimination Program	3,000,000	3,000,000	3,000,000	1,300,000	1,300,000
Generic Short Line Extensions & Relocations	1,000,000	750,000	750,000	750,000	750,000
Sludge Handling System Improvement WTP 1A & 2A	0	100,000	0	0	0
UAZ** 108 Water/Sewer Pipe Improvements	1,524,090	16,000,000	1,724,000	0	0
UAZ** 110/111 Water/ Sewer Pipe Improvements	17,860,000	0	0	0	0
UAZ** 113 Water/Sewer Pipe Improvements	0	15,700,000	0	0	0
UAZ** 122/123 Water/ Sewer Pipe Improvements	200,000	18,750,000	0	0	0
UAZ** 362 & 363 Water Services	125,000	1,425,000	0	0	0
Water Storage Tank 1A2	0	5,580	0	0	0
Water Storage Tank 2A	2,800,600	0	0	0	0
3A Facility High Service Pump Replacement	475,000	0	0	0	0
1A & 2A WTP Switchgear Replacement	0	0	15,695,000	0	0
3B & 3C 4-log Inactivation	133,100	5,105,100	0	0	0
Water System Improvements 3C	1,320,000	1,320,000	1,320,000	12,430,000	0
1A & 2A Treatment Units Rehabilitation	800,000	0	0	0	0
WWS Building 2 and Warehouse Improvements	250,000	0	0	0	0
Water Treatment Plant Expansion 2A	0	0	0	500,000	0
<b>Subtotal</b>	<b><u>46,287,040</u></b>	<b><u>76,362,990</u></b>	<b><u>31,997,480</u></b>	<b><u>43,958,480</u></b>	<b><u>18,328,480</u></b>

**WATER AND WASTEWATER CAPITAL**

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
<b><u>Regional Treatment</u></b>					
Capital Project Support	1,505,880	1,668,810	1,668,810	1,668,810	1,668,810
NRWWTP* Capacity Improvement	183,400	0	0	0	0
NRWWTP* Reclaimed Transmission System	6,000,000	0	0	0	0
NRWWTP* - Bulk Sodium Hypochlorite Facility	0	500,000	0	0	0
NRWWTP* Effluent Outfall Pump Station	100,000	3,500,000	0	38,500,000	0
NRWWTP* - Facilities Improvements	53,687,000	0	0	0	0
NRWWTP* Modules A, B, and D Fine Bubble Conversion	5,240,640	0	0	0	0
Generic NRWWTP* Rehabilitation	800,000	800,000	800,000	800,000	800,000
Regional Master Meter Improvements	4,600	0	0	0	0
<b>Subtotal</b>	<b><u>67,521,520</u></b>	<b><u>6,468,810</u></b>	<b><u>2,468,810</u></b>	<b><u>40,968,810</u></b>	<b><u>2,468,810</u></b>
<b><u>Regional Transmission</u></b>					
Capital Project Support	420,750	466,290	466,290	466,290	466,290
Master Pump Station 450 Improvements	287,360	0	0	0	0
Master Pump Station 224 Force Main Replacements	3,300,000	0	0	0	0
Wastewater Meter M-471 Replacement	619,990	0	0	0	0
NRWWTP* Secondary Effluent Pump Station	0	800,000	0	18,054,000	0
Master Pump Stations 452, 458, & 462 Rehabilitation	2,400,000	0	13,500,000	0	0
Master Pump Station Controls Upgrade	2,540	0	0	0	0
Generic Master Pump Stations Rehabilitation	500,000	500,000	500,000	500,000	500,000
Regional Transmission System Master Plan	250,000	0	0	0	0
<b>Subtotal</b>	<b><u>7,780,640</u></b>	<b><u>1,766,290</u></b>	<b><u>14,466,290</u></b>	<b><u>19,020,290</u></b>	<b><u>966,290</u></b>
<b>TOTAL APPROPRIATIONS</b>	<b><u>121,589,200</u></b>	<b><u>84,598,090</u></b>	<b><u>48,932,580</u></b>	<b><u>103,947,580</u></b>	<b><u>21,763,580</u></b>

\*NRWWTP - North Regional Wastewater Treatment Plant

\*\*UAZ - Utility Analysis Zone

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Retail/New Construction

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Generic Administrative Campus Facilities Replacement	N/A	N/A	50,000	19	350,000	19	0	---	400,000
Capital Project Support	N/A	N/A	0	---	0	---	5,287,290	MY	5,287,290
Generic Developer Agreement Funding	N/A	N/A	0	---	1,500,000	MY	0	---	1,500,000
Automatic Meter Reading Technology	0	250,000	100,000	19	0	---	0	---	350,000
District 2A & North Regional Wellfield Expansion	0	0	1,200,000	MY	0	---	0	---	1,200,000
District 2 Septic Tank Elimination Area 2-F	0	700,000	0	---	3,000,000	20	0	---	3,700,000
District 2 Septic Tank Elimination Area 2-G	5,934	1,577,478	20,010	19	0	---	0	---	1,603,422
District 3A Septic Tank Elimination Area 3A-N	5,248	606,000	0	---	1,909,000	19	0	---	2,520,248
District 3A Septic Tank Elimination Area 3A-O	0	0	1,800,000	21	7,000,000	23	0	---	8,800,000
District 3A Septic Tank Elimination Area 3A-Y	0	0	1,030,000	21	4,000,000	23	0	---	5,030,000
District 3A Collection System Model 300	70,077	41,656	4,270	19	0	---	0	---	116,003
District 3BC Septic Tank Elimination	79,309	205,502	7,589,240	MY	21,000,000	22	0	---	28,874,051
Generic Facilities Rehabilitation	N/A	N/A	100,000	20	1,500,000	MY	0	---	1,600,000
Generic Utility Locating and GIS Mapping	N/A	N/A	1,650,000	MY	0	---	0	---	1,650,000
Facility Chlorination System 3B	39,104	490,665	46,340	19	313,000	19	0	---	889,109
Tier 4 EPA Generator Compliance	14,783	278,693	0	---	109,460	19	0	---	402,936
Hillsboro Mile Wastewater System Improvements	1,683,420	10,173,032	13,850	19	2,300,000	19	0	---	14,170,302
Incident Command Center HVAC Replacement	3,503	699,909	0	---	151,000	19	0	---	854,412
Davis Isles New Sewers & Water Main Replacement	0	170,000	170,000	20	2,050,000	20	0	---	2,390,000
Lift Station 30E & 50K2 Relocation	12,961	635,688	0	---	251,160	19	0	---	899,809
Generic Lift Station Rehabilitation	N/A	N/A	3,250,000	MY	9,000,000	MY	0	---	12,250,000
Master Pump Station 220 Rehabilitation	1,170,202	706,011	27,460	19	598,830	20	0	---	2,502,503
Lift Station 300 Emergency Generator	0	0	60,000	20	500,000	21	0	---	560,000
Lift Station 222 Generator & Odor Control	0	60,000	0	---	500,000	19	0	---	560,000

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Retail/New Construction (Continued)

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
UAZ* 362 & 363 Water Main Replacement	6,851,059	98,929	701,220	19	99,860	19	0	---	7,751,068
Generic Multi-District Inflow/Infiltration Reduction Program	N/A	N/A	0	---	5,500,000	MY	0	---	5,500,000
Reclaimed Water Transmission System Expansion	394,338	10,333,665	0	---	1,000,010	19	0	---	11,728,013
Ravenswood Road 12" WM & 16" FM Crossing	42,176	4,906	0	---	0	---	40,000	19	87,082
Generic Septic Tank Elimination Program	N/A	N/A	3,600,000	MY	8,000,000	MY	0	---	11,600,000
Generic Short Line Extensions & Relocations	N/A	N/A	1,250,000	MY	2,750,000	MY	0	---	4,000,000
Sludge Handling System Improvement WTP 1A & 2A	0	3,150,000	100,000	20	0	---	0	---	3,250,000
UAZ* 108 Water/Sewer Pipe Improvements	113,508	1,773,185	3,248,090	MY	16,000,000	20	0	---	21,134,783
UAZ* 110/111 Water/Sewer Pipe Improvements	251,393	20,268,827	3,500,000	19	14,360,000	19	0	---	38,380,220
UAZ* 113 Water/Sewer Pipe Improvements	1,623,942	38,408,943	0	---	15,700,000	20	0	---	55,732,885
UAZ* 122/123 Water/Sewer Pipe Improvements	835,708	19,918,280	0	---	18,950,000	MY	0	---	39,703,988
UAZ* 362 & 363 Water Services	0	0	250,000	MY	1,300,000	20	0	---	1,550,000
Water Storage Tank 1A2	407,197	8,957,807	0	---	5,580	20	0	---	9,370,584
Water Storage Tank 2A	444,350	6,197,024	0	---	2,800,600	19	0	---	9,441,974
3A Facility High Service Pump Replacement	182,587	0	0	---	475,000	19	0	---	657,587
1A & 2A WTP Switchgear Replacement	859,372	5,276,879	0	---	15,695,000	21	0	---	21,831,251
3B & 3C 4-log Inactivation	54,948	112,098	376,200	MY	4,862,000	20	0	---	5,405,246
Water System Improvements 3C	0	0	5,280,000	MY	11,110,000	22	0	---	16,390,000
1A & 2A Treatment Units Rehabilitation	43	1,280,000	0	---	800,000	19	0	---	2,080,043
WWS Building 2 and Warehouse Improvements	0	0	250,000	19	0	---	0	---	250,000
Water Treatment Plant Expansion 2A	2,592	250,000	0	---	0	---	500,000	22	752,592

\*UAZ - Utility Analysis Zone

<b>Project Comments</b>
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- Funding is provided in FY19 for improvements at the WWS Administrative Building, including the main lobby area, elevators, flooring and windows, wall repairs and painting, internal/external building repairs, small equipment replacements, and other miscellaneous 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 for the County's portion of lift stations for developer projects and/or pipe over sizing and/or facilitate existing pipe tie-ins requested by the County.
- Funding is provided in FY19 to replace water meters in one Utility Analysis Zone (UAZ) with Automated Meter Reading (AMR) technology as Phase 1 of a pilot project.
- Funding is provided in FY20 and FY21 to evaluate potential production well locations west of I-95 along the existing raw water regional pipeline. The project includes the location of up to ten potential well sites suitable for construction of public water supply wells and identification of five of those new well locations for property acquisition or easement establishment. The intended area of study is located east of Military Trail, west of Dixie Highway, south of Hillsboro Blvd., and north of NE 48th street.
- Funding is provided in FY20 for District 2 septic tank elimination in Area 2-F to construct new lift station, force main, and gravity sewer to serve commercial parcels of UAZ 236 east of Powerline Road between NW 33rd Court and NW 32 Street.
- Funding is provided in FY19 for District 2 septic tank elimination in Area 2-G to construct new lift station, force main, and gravity sewer system to service commercial parcels in UAZ 235 on NW 16th Lane and NW 17th Lane, north of Copans Road.
- Funding is provided in FY19 for District 3A septic tank elimination in Area 3A-N to construct new lift station, force main, and gravity sewer to serve commercial parcels on SW 33rd Avenue and SW 32nd Avenue.
- Funding is provided in FY21 and FY23 for District 3A septic tank elimination in Area 3A-O to provide new sanitary sewer and replace water mains in the area north of Stirling Road between SW 40th Avenue and SW 32nd Terrace.
- Funding is provided in FY21 and FY23 for District 3A septic tank elimination in Area 3A-Y to provide new sanitary sewer and replace water mains in the area north of Griffin Road between SW 43rd Avenue and SW 42nd Avenue.
- Funding is provided in FY19 to develop and calibrate a wastewater hydraulic model for the entire 3A collection system.
- Funding is provided in FY19, FY20, and FY22 for the septic tank elimination in District 3BC. The sanitary sewer service area will include parts of UAZ's 359, 360, 361, 364, 365, and 366.
- Funding is provided for major repairs/replacement of process equipment at water treatment plants and distribution facilities. This includes general structural improvements at retail facilities, such as hurricane hardening and demolition of various obsolete water treatment and storage facilities at water treatment plants and distribution facilities.
- Funding is provided in FY19-23 to perform utility locations related GIS mapping for existing water and sewer infrastructure.
- Funding is provided in FY19 to upgrade the sodium hypochlorite chemical feed system and add an ammonia sulfate chemical feed system at the 3B storage/pumping facility.
- Funding is provided in FY19 to evaluate generators at Water Treatment Plant (WTP) 1A, WTP 2A, MPS 452, Well #21 and Administration Complex for compliance with Environmental Protection Agency regulations on generators and provide for modifications as needed for compliance.

- Funding is provided in FY19 for the Hillsboro Mile Wastewater System improvements, which includes rehabilitating wastewater pumping stations and replacing force mains and gravity sewers.
- Funding is provided in FY19 to replace the aging and underrated HVAC system at the Incident Command Center (ICC) data center.
- Davis Isles is a neighborhood in the City of Dania Beach. Funding is provided in FY20 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 FY19 to upgrade and relocate retail lift stations 30E and 50K2 to the right-of-way to provide maintenance accessibility and upgrade to current standards.
- Funding is provided in FY19-23 for lift station rehabilitation projects for which the need arises during the year between budget cycles.
- Funding is provided in FY19 and FY20 to repair and replace miscellaneous equipment at Master Pump Station 220 in order to maintain the reliability of the system.
- Funding is provided in FY20 and FY21 to replace a generator at Lift Station 300.
- Funding is provided in FY19 to design and construct a generator enclosure and odor control system at Lift Station 222.
- Funding is provided in FY19 to replace approximately 49,500 linear feet of 6, 8, 10, 12, & 16 inch water main in UAZ's 362 and 363 in the area of west of SW 64 Avenue and south of Pembroke Road.
- Funding is provided in FY19-23 for the Multi-District Infiltration and Inflow Reduction Program. This project funds the cost-effective reduction of inflow/infiltration in WWS retail sewer collection system including the Sewer System Evaluation Study and the cost effective repairs of leaking segments of the sewer system.
- Funding is provided in FY19 for the expansion of the reclaimed water transmission system to supply reclaimed water for irrigation in Broward County.
- Funding is provided in FY19 to construct a 12" water main (WM) and 16" force main (FM) crossing at the Dania Canal at Ravenswood Road. The crossings will be constructed as part of the FDOT bridge widening project.
- Funding is provided in FY19-23 for sewer main projects for the purpose of eliminating septic tanks, and constructing short water mains, as needed.
- Funding is provided in FY19-23 for a variety of small water and sewer main projects, requiring short line extensions and relocations.
- Funding is provided in FY20 to replace/upgrade the aging sludge handling system at Water Treatment Plant (WTP) 1A and 2A, including vacuum filters, vacuum receivers, silencers, filtrate pumps and other related equipment.
- Funding is provided in FY19-21 to replace approximately 34,000 linear feet of water main and 34,000 linear feet of sewer main in Utility Analysis Zone (UAZ) 108, which is located in the City of Lauderdale Lakes.
- Funding is provided in FY19 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 FY20 to replace approximately 80,000 linear feet of water main, 62,000 linear feet of sewer main, and 3,000 linear feet of sewer force main in UAZ 113, which is located in the City of Lauderdale Lakes.

**BROWARD COUNTY CAPITAL BUDGET**

- Funding is provided in FY19 and FY20 to replace approximately 61,000 linear feet of water main and 60,000 linear feet of gravity sewer force main in UAZ 122 and UAZ 123, which are located in the City of Lauderdale Lakes.
- Funding is provided in FY19 and FY20 to transfer approximately 941 water services located in UAZ's 362 and 363 from the existing water main located at the rear property line to the new water main located in the public right-of-way at the front of the property.
- Funding is provided in FY20 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 FY19 for a new 5 million gallon potable water storage tank to replace the existing one million and 0.5 million gallon water tanks, and to make repairs to the existing 5 million gallon water tank at the Water Treatment Plant (WTP) 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.
- Funding is provided in FY19 to replace the obsolete high service pump building at District 3A Facility with a building that meets current building codes. Project consists of construction of a new high service pump station, electrical room and emergency generator, located in the City of Dania Beach.
- Funding is provided in FY21 to replace obsolete 4160-volt and 480-volt switchgear including the main power feed breakers at Water Plants 1A and 2A are in need of replacement. In addition, the project includes the development of an electrical master plan for WTP 2A.
- Funding is provided in FY19 and FY20 to provide 4-log inactivation for the 3BC service area. The project will include the 3B8 and 3B9 interconnects and the 3C tank facility.
- Funding is provided in FY19-FY22 to improve approximately 223,000 feet of undersized water main, much of which is galvanized steel and asbestos cement. Improvements include fire protection and replacement of about 3800 old galvanized steel service lines which have reached the end of their design life.
- Funding is provided in FY19 to rehabilitate the steel components and interior walls of treatment units No. 2 at WTP1A and No. 1 and 2 at WTP2A.
- Funding is provided in FY19 to redesign the two WWS Warehouses located in the Administrative Complex and the North Regional Wastewater Treatment Plant (NRWTP).
- Funding is provided in FY22 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**

<b>Funding Sources</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>TOTAL</b>
Water and Wastewater Revenues	46,287,040	76,362,990	31,997,480	43,958,480	18,328,480	216,934,470
<b>TOTAL</b>	46,287,040	76,362,990	31,997,480	43,958,480	18,328,480	216,934,470
<b>Funding Requirements</b>						
Design	13,004,580	7,118,100	8,824,000	5,370,000	1,350,000	35,666,680
Construction	32,269,080	68,166,410	22,095,000	37,010,000	15,900,000	175,440,490
Other Capital Costs	1,013,380	1,078,480	1,078,480	1,578,480	1,078,480	5,827,300
<b>TOTAL</b>	46,287,040	76,362,990	31,997,480	43,958,480	18,328,480	216,934,470

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**  
Enterprise/Water & Wastewater

**PROJECT**  
Regional Treatment

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	8,181,120	MY	8,181,120
NRWWTP* Capacity Improvement	33,490,470	71,376,251	0	---	183,400	19	0	---	105,050,121
NRWWTP* Reclaimed Transmission System	1,413,253	79,902,837	0	---	6,000,000	19	0	---	87,316,090
NRWWTP* - Bulk Sodium Hypochlorite Facility	0	0	500,000	20	0	---	0	---	500,000
NRWWTP* Effluent Outfall Pump Station	0	0	7,100,000	MY	35,000,000	22	0	---	42,100,000
NRWWTP* Facilities Improvements	12,445,181	72,923,312	0	---	53,687,000	19	0	---	139,055,493
NRWWTP* Modules A, B, and D Fine Bubble Conversion	1,543,568	25,909,119	0	---	5,240,640	19	0	---	32,693,327
Generic NRWWTP* Rehabilitation	N/A	N/A	500,000	MY	2,500,000	MY	1,000,000	MY	4,000,000
Regional Master Meter Improvements	641,305	5,361,995	4,600	19	0	---	0	---	6,007,900

\*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.
- Additional funding is provided in FY19 for the expansion of the reclaimed water filter capacity from 10 mgd to 26 mgd at the North Regional Wastewater Treatment Plant.
- Additional funding is provided in FY19 for the construction of a reclaimed water distribution system in northern Broward County.
- Funding is provided in FY20 to evaluate current and long term expansion alternatives for bulk sodium hypochlorite storage and feed facilities at the NRWWTP.
- Funding is provided in FY19, FY20, and FY22 to construct a new effluent outfall pump station to replace the existing pump station that has reached the end of its useful life.
- Funding is provided in FY19 for a comprehensive facility restoration program for the aging infrastructure at the North Regional Water Wastewater Treatment Plant.
- In FY19, funding is provided for the design and construction for the conversion of treatment modules A, B, and D to fine bubble aeration.



**BROWARD COUNTY CAPITAL BUDGET**

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- In FY19-23, funding is provided for the renewal and replacement of miscellaneous equipment within the North Regional Wastewater Treatment Plant.
- In FY19, funding is provided for new and upgraded wholesale billing meters and associated equipment and improvements.

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>	<b><u>FY23</u></b>	<b><u>TOTAL</u></b>
Water and Wastewater Revenues	67,521,520	6,468,810	2,468,810	40,968,810	2,468,810	119,896,760
<b>TOTAL</b>	67,521,520	6,468,810	2,468,810	40,968,810	2,468,810	119,896,760
<b><u>Funding Requirements</u></b>						
Design	204,600	4,100,000	100,000	3,600,000	100,000	8,104,600
Construction	65,611,040	500,000	500,000	35,500,000	500,000	102,611,040
Other Capital Costs	1,705,880	1,868,810	1,868,810	1,868,810	1,868,810	9,181,120
<b>TOTAL</b>	67,521,520	6,468,810	2,468,810	40,968,810	2,468,810	119,896,760

**BROWARD COUNTY CAPITAL BUDGET**

**PROGRAM**

Enterprise/Water & Wastewater

**PROJECT**

Regional Transmission

**Funding Summary**

	Actual Expenses Through FY17	Modified FY18 Budget	FY19-23						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	2,285,910	MY	2,285,910
Master Pump Station 450 Improvements	4,248,387	4,769,402	0	---	287,360	19	0	---	9,305,149
Master Pump Station 224 Force Main Replacements	0	100,000	300,000	19	3,000,000	19	0	---	3,400,000
Wastewater Meter M-471 Replacement	141,951	1,020,337	0	---	619,990	19	0	---	1,782,278
NRWWTP Secondary Effluent Pump Station	0	0	1,500,000	MY	17,354,000	22	0	---	18,854,000
Master Pump Stations 452 & 458 Rehabilitation	0	0	2,400,000	19	13,500,000	21	0	---	15,900,000
Master Pump Station Controls Upgrade	638,735	3,488,506	0	---	2,540	19	0	---	4,129,781
Generic Master Pump Stations Rehabilitation	N/A	N/A	250,000	MY	1,750,000	MY	500,000	MY	2,500,000
Regional Transmission System Master Plan	156	500,000	250,000	19	0	---	0	---	750,156

**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.
- Additional funding is provided in FY19 for construction for improvements and updating of Master Pump Station 450, located in the City of Lauderdale Lakes.
- Funding is provided in FY19 for force main replacements in the area of NE 22 Avenue, NE 39 Court, and NE 21 Way in the City of Lighthouse Point.
- Funding is provided in FY19 for the replacement of Meter M-471 located at 2800 N Powerline Road, Pompano Beach.
- Funding is provided in FY20 and FY22 to design and construct a secondary effluent pump station to provide treated effluent to the City of Pompano Beach Oasis Reclaimed Water Facility.
- Funding is provided in FY19 and FY21 for an engineering study, design, and construction for improvements and updating of Master Pump Stations 452 and 458.
- Additional funding is provided in FY19 to upgrade the existing Master Pump Station control equipment and programming software.

**BROWARD COUNTY CAPITAL BUDGET**

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- 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 in FY19 for a comprehensive evaluation of pipe condition to enable prioritization of pipe replacement and detect hidden vulnerabilities in the North Regional Wastewater System.

**Funding Schedule**

<b><u>Funding Sources</u></b>	<b><u>FY19</u></b>	<b><u>FY20</u></b>	<b><u>FY21</u></b>	<b><u>FY22</u></b>	<b><u>FY23</u></b>	<b><u>TOTAL</u></b>
Water and Wastewater Revenues	7,780,640	1,766,290	14,466,290	19,020,290	966,290	43,999,800
<b>TOTAL</b>	7,780,640	1,766,290	14,466,290	19,020,290	966,290	43,999,800
<b><u>Funding Requirements</u></b>						
Design	3,000,000	850,000	50,000	750,000	50,000	4,700,000
Construction	4,259,890	350,000	13,850,000	17,704,000	350,000	36,513,890
Other Capital Costs	520,750	566,290	566,290	566,290	566,290	2,785,910
<b>TOTAL</b>	7,780,640	1,766,290	14,466,290	19,020,290	966,290	43,999,800