

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, airport operating revenues, and fund balance. 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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BROWARD COUNTY CAPITAL BUDGET**AVIATION CAPITAL**

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
REVENUES					
Interest Income	395,270	395,260	395,260	395,260	395,260
Less 5%	(19,760)	(19,760)	(19,760)	(19,760)	(19,760)
Transfers from Aviation Operating Fund	11,892,500	12,024,520	4,543,000	5,910,000	4,841,000
Passenger Facilities Charges (PFC)	106,800,000	53,000,000	8,000,000	6,000,000	0
Federal and State Grants	7,712,500	50,785,930	6,755,000	4,500,000	0
Future Bond Proceeds / Loans	181,825,000	113,440,000	5,000,000	5,000,000	0
TOTAL REVENUES	<u>\$308,605,510</u>	<u>\$229,625,950</u>	<u>\$24,673,500</u>	<u>\$21,785,500</u>	<u>\$5,216,500</u>
APPROPRIATIONS					
<u>Airfields</u>					
Remote Transmitter/Radio Relocation	500,000	4,500,000	0	0	0
Runway 10R-28L Settlement Monitoring	400,000	0	0	0	0
Airfield Signage Replacement	170,000	0	0	0	0
Taxiway M Construction	0	0	0	12,000,000	0
Taxiway T Construction	0	0	7,720,000	0	0
Stormwater Upgrades	0	13,440,000	0	0	0
Subtotal	<u>1,070,000</u>	<u>17,940,000</u>	<u>7,720,000</u>	<u>12,000,000</u>	<u>0</u>
<u>Airport Access Roadway System</u>					
Airport Access Roadway System	10,000,000	90,000,000	0	0	0
Subtotal	<u>10,000,000</u>	<u>90,000,000</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Terminals</u>					
Connector Bridges between Terminals 1, 2, & 3	129,000,000	0	0	0	0
Terminal 4 Federal Inspection Service (FIS) Facility	25,000,000	0	0	0	0
T4 Gate Replacement	15,300,000	0	0	0	0
T4 Checked Baggage Inspection System	8,000,000	0	0	0	0
Passenger Screening Lanes	1,800,000	0	0	0	0
Gate Expansion	0	95,000,000	0	0	0
Subtotal	<u>179,100,000</u>	<u>95,000,000</u>	<u>0</u>	<u>0</u>	<u>0</u>

AVIATION CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
<u>General and Administrative</u>					
Architectural Services for Master Plan	5,000,000	5,000,000	5,000,000	5,000,000	0
Transportation Network Company Lot	2,000,000	0	0	0	0
G & G Warehouse Improvements	1,300,000	0	0	0	0
Facility Improvement Allowance	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Information Technology Software & Services Renewal and Replacement	375,000	375,000	375,000	375,000	375,000
Subtotal	<u>9,675,000</u>	<u>6,375,000</u>	<u>6,375,000</u>	<u>6,375,000</u>	<u>1,375,000</u>
<u>Machinery, Equipment, Vehicles & Other</u>					
Loading Bridges & PC Air & Ground Power Units	8,000,000	8,000,000	8,000,000	0	0
Information Systems Renewal & Replacement	2,900,000	1,210,000	1,040,000	2,175,000	2,175,000
Radio Replacement	1,000,000	250,000	0	0	0
Equipment Replacement	895,000	560,000	340,000	105,000	375,000
PC Air Hose Reel Trolley Replacement	650,000	0	0	0	0
Vehicles (New)	595,000	0	0	0	0
Vehicles (Replacement)	450,000	375,000	333,000	125,000	246,000
Mobile Application Development	250,000	250,000	250,000	250,000	250,000
Waste Receptacles - Curbside	200,000	0	0	0	0
Subtotal	<u>14,940,000</u>	<u>10,645,000</u>	<u>9,963,000</u>	<u>2,655,000</u>	<u>3,046,000</u>
<u>Security</u>					
Security Infrastructure Project	41,000,000	0	0	0	0
Closed Circuit TV Enhancement	22,000,000	0	0	0	0
Integrated Security Systems	20,000,000	0	0	0	0
Subtotal	<u>83,000,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

AVIATION CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
<u>Parking</u>					
Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	8,000,000	0	0	0	0
Remote Parking Lot Expansion	350,000	2,800,000	0	0	0
Parking Revenue Control System Upgrade	600,000	250,000	50,000	230,000	230,000
Subtotal	<u>8,950,000</u>	<u>3,050,000</u>	<u>50,000</u>	<u>230,000</u>	<u>230,000</u>
<u>North Perry Projects (HWO)</u>					
Vehicle Replacement	35,000	0	40,000	0	40,000
Equipment Replacement	210,000	150,000	150,000	150,000	150,000
HWO Runway 10R-28L Safety Enhancements (Phase 1)	250,000	2,090,450	0	0	0
HWO Rehabilitation of Runway 10R-28L (Phase 2)	0	4,000,000	0	0	0
HWO Integrated Security Systems	1,000,000	0	0	0	0
Subtotal	<u>1,495,000</u>	<u>6,240,450</u>	<u>190,000</u>	<u>150,000</u>	<u>190,000</u>
<u>Reserves</u>					
Reserves*	375,510	375,500	375,500	375,500	375,500
Subtotal	<u>375,510</u>	<u>375,500</u>	<u>375,500</u>	<u>375,500</u>	<u>375,500</u>
TOTAL APPROPRIATIONS	<u>\$308,605,510</u>	<u>\$229,625,950</u>	<u>\$24,673,500</u>	<u>\$21,785,500</u>	<u>\$5,216,500</u>

*\$30 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 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Remote Transmitter/Radio Relocation	0	0	0	---	5,000,000	MY	0	---	5,000,000
Runway 10R-28L Settlement Monitoring	0	0	0	---	0	---	400,000	18	400,000
Airfield Signage Replacement	0	0	0	---	0	---	170,000	18	170,000
Taxiway M Construction	0	0	0	---	12,000,000	21	0	---	12,000,000
Taxiway T Construction	0	0	820,000	20	6,000,000	20	900,000	20	7,720,000
Stormwater Upgrades	0	0	0	---	13,440,000	19	0	---	13,440,000

Project Comments

- In FY18 and FY19, \$5 million is provided to relocate the Remote Transmitter/Receiver (RTR), the Automated Surface Weather Observing System and the Wind Measuring Equipment to accommodate proposed airport development.
- In FY18, \$400,000 is provided for the installation of monitoring equipment and other costs associated with monitoring Runway 10R-28L to ensure structural integrity.
- In FY18, \$170,000 is provided to replace 43 airfield signs to maintain Federal Aviation Regulation (FAR) Part 139 compliance.
- In FY21, \$12 million is provided for the rehabilitation of Taxiway M.
- In FY20, \$7,720,000 is provided for the rehabilitation of Taxiway T.
- In FY19, \$13,440,000 is provided to study a pumping program, develop alternate pumping options, complete permitting and design, and construct pump stations to move stormwater off the airfield in order to take advantage of limited airfield property for expansion.

BROWARD COUNTY CAPITAL BUDGET**Funding Schedule**

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Aviation Funds	1,070,000	4,500,000	965,000	0	0	6,535,000
Federal/State Grants	0	0	6,755,000	6,000,000	0	12,755,000
Passenger Facilities Charges (PFC)	0	0	0	6,000,000	0	6,000,000
Bonds	0	13,440,000	0	0	0	13,440,000
TOTAL	1,070,000	17,940,000	7,720,000	12,000,000	0	38,730,000
<u>Funding Requirements</u>						
Remote Transmitter/Radio Relocation	500,000	4,500,000	0	0	0	5,000,000
Runway 10R-28L Settlement Monitoring	400,000	0	0	0	0	400,000
Airfield Signage Replacement	170,000	0	0	0	0	170,000
Taxiway M Construction	0	0	0	12,000,000	0	12,000,000
Taxiway T Construction	0	0	7,720,000	0	0	7,720,000
Stormwater Upgrades	0	13,440,000	0	0	0	13,440,000
TOTAL	1,070,000	17,940,000	7,720,000	12,000,000	0	38,730,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Airport Access Roadway System

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design		Construction		Other		
			FY	FY	FY	FY	FY	FY	
Airport Access Roadway System	0	0	10,000,000	18	90,000,000	19	0	---	100,000,000

Project Comments

- In FY18 and 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 deficient roadway service levels, congestion and circulation problems caused by inadequate accessibility and insufficient capacity.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Federal/State Grants	5,000,000	45,000,000	0	0	0	50,000,000
Passenger Facilities Charges (PFC)	5,000,000	45,000,000	0	0	0	50,000,000
TOTAL	10,000,000	90,000,000	0	0	0	100,000,000

Funding Requirements

Airport Access Roadway System	10,000,000	90,000,000	0	0	0	100,000,000
TOTAL	10,000,000	90,000,000	0	0	0	100,000,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Terminals

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Connector Bridges between Terminals 1, 2, & 3	0	0	10,000,000	18	110,000,000	18	9,000,000	18	129,000,000
Terminal 4 Federal Inspection Service (FIS) Facility	1,144,941	88,855,059	1,000,000	18	22,000,000	18	2,000,000	18	115,000,000
T4 Gate Replacement	282,782,524	175,417,476	300,000	18	14,300,000	18	700,000	18	473,500,000
T4 Checked Baggage Inspection System	0	34,635,000	0	---	8,000,000	18	0	---	42,635,000
Passenger Screening Lanes	0	0	0	---	0	---	1,800,000	18	1,800,000
Gate Expansion	0	5,000,000	10,000,000	19	85,000,000	19	0	---	100,000,000

Project Comments

- In FY18, \$129 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 FY18, an additional \$25 million is provided to increase the overall footprint of the existing Terminal 4 Federal Inspection Service (FIS) facility to enhance passenger throughput and overall customer satisfaction. The proposed expansion includes upgrading and expanding processing areas and the baggage claim area.
- In FY18, an additional \$15.3 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 BCAD office space.
- In FY18, an additional \$8 million is provided for the Terminal 4 checked baggage inspection system.
- In FY18, \$1.8 million is provided to design and install innovative passenger screening lanes in FLL terminals 1, 2, 3 and 4. The automated screening lanes incorporate technology and screening station modifications that enhance security effectiveness while decreasing the time travelers spend in security screening.
- In FY19, 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.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Passenger Facilities Charges (PFC)	9,800,000	0	0	0	0	9,800,000
Federal/State Grants	2,475,000	0	0	0	0	2,475,000
Future Bond Proceeds / Loans	166,825,000	95,000,000	0	0	0	261,825,000
TOTAL	179,100,000	95,000,000	0	0	0	274,100,000

Funding Requirements

Connector Bridges between Terminals 1, 2, & 3	129,000,000	0	0	0	0	129,000,000
Terminal 4 Federal Inspection Service (FIS) Facility	25,000,000	0	0	0	0	25,000,000
T4 Gate Replacement	15,300,000	0	0	0	0	15,300,000
T4 Checked Baggage Inspection System	8,000,000	0	0	0	0	8,000,000
Passenger Screening Lanes	1,800,000	0	0	0	0	1,800,000
Gate Expansion	0	95,000,000	0	0	0	95,000,000
TOTAL	179,100,000	95,000,000	0	0	0	274,100,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

General and Administrative

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Architectural Services for Master Plan	0	0	20,000,000	MY	0	---	0	---	20,000,000
Transportation Network Company Lot	0	0	350,000	18	1,400,000	18	250,000	18	2,000,000
G & G Warehouse Improvements	0	0	0	---	0	---	1,300,000	18	1,300,000
Facility Improvement Allowance	0	N/A	0	---	0	---	5,000,000	MY	5,000,000
Information Technology Software & Services Renewal and Replacement	0	N/A	0	---	0	---	1,875,000	MY	1,875,000

Project Comments

- In FY18-21, \$20 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 FY18, \$2 million is funded to construct a new Transportation Network Company lot on airport property to accommodate a staging area for Transportation Network Companies.
- In FY18, \$1.3 million is funded to improve the G & G Warehouse located at 11000 NE 7th Avenue, which is used for storage for large inventory items for the maintenance of the airport and ancillary buildings. The warehouse, built in 1976, is approximately 41,800 square feet.
- In FY18-22, an additional \$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 FY18-22, \$1,875,000 is provided for information technology software & services renewal and replacement.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Aviation Funds	2,675,000	1,375,000	1,375,000	1,375,000	1,375,000	8,175,000
Future Bond Proceeds / Loans	7,000,000	5,000,000	5,000,000	5,000,000	0	22,000,000
TOTAL	9,675,000	6,375,000	6,375,000	6,375,000	1,375,000	30,175,000

Funding Requirements

Architectural Services for Master Plan	5,000,000	5,000,000	5,000,000	5,000,000	0	20,000,000
Transportation Network Company Lot	2,000,000	0	0	0	0	2,000,000
G & G Warehouse Improvements	1,300,000	0	0	0	0	1,300,000
Facility Improvement Allowance	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Information Technology Software & Services Renewal and Replacement	375,000	375,000	375,000	375,000	375,000	1,875,000
TOTAL	9,675,000	6,375,000	6,375,000	6,375,000	1,375,000	30,175,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Machinery, Equipment, Vehicles and Other

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Loading Bridges & PC Air & Ground Power Units	0	0	0	---	24,000,000	MY	0	---	24,000,000
Information Systems Renewal & Replacement	0	0	0	---	0	---	9,500,000	MY	9,500,000
Radio Replacement	0	1,250,000	0	---	0	---	1,250,000	MY	2,500,000
Equipment Replacement	0	0	0	---	0	---	2,275,000	MY	2,275,000
PC Air Hose Reel Trolley Replacement	0	0	0	---	0	---	650,000	18	650,000
Vehicles (New)	0	0	0	---	0	---	595,000	18	595,000
Vehicles (Replacement)	0	0	0	---	0	---	1,529,000	MY	1,529,000
Mobile Application Development	0	650,000	0	---	0	---	1,250,000	MY	1,900,000
Waste Receptacles - Curbside	0	0	0	---	0	---	200,000	18	200,000

Project Comments

- In FY18-20, \$24 million will be provided to replace Passenger Boarding Bridges in Concourses B, C, D, E, & F. There are a total of 47 bridges that need to be replaced.
- In FY18-22, \$9.5 million is provided for information systems (hardware) renewal and replacement.
- In FY18-19, an additional \$1,250,000 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 FY18-22, \$2,275,000 is provided for the replacement of various pieces of equipment that have reached their service life.
- In FY18, \$650,000 is provided to replace the PC air hose reels with trolleys at all 66 loading bridges. Use of the trolley system provides consistent air to the planes and passengers.
- In FY18, \$595,000 is provided to purchase 19 new vehicles to support the transportation needs of the Maintenance Division.
- In FY18-22, \$1,529,000 is provided for the replacement of vehicles.
- In FY18-22, 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 FY18, \$200,000 is provided to purchase replacement waste receptacles and cigarette urns to improve the aesthetics of the facilities and to provide opportunities for the public to properly dispose of waste.

BROWARD COUNTY CAPITAL BUDGET**Funding Schedule**

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Aviation Funds	6,940,000	2,645,000	1,963,000	2,655,000	3,046,000	17,249,000
Passenger Facilities Charges (PFC)	8,000,000	8,000,000	8,000,000	0	0	24,000,000
TOTAL	14,940,000	10,645,000	9,963,000	2,655,000	3,046,000	41,249,000

Funding Requirements

Loading Bridges & PC Air & Ground Power Units	8,000,000	8,000,000	8,000,000	0	0	24,000,000
Information Systems Renewal & Replacement	2,900,000	1,210,000	1,040,000	2,175,000	2,175,000	9,500,000
Radio Replacement	1,000,000	250,000	0	0	0	1,250,000
Equipment Replacement	895,000	560,000	340,000	105,000	375,000	2,275,000
PC Air Hose Reel Trolley Replacement	650,000	0	0	0	0	650,000
Vehicles (New)	595,000	0	0	0	0	595,000
Vehicles (Replacement)	450,000	375,000	333,000	125,000	246,000	1,529,000
Mobile Application Development	250,000	250,000	250,000	250,000	250,000	1,250,000
Waste Receptacles - Curbside	200,000	0	0	0	0	200,000
TOTAL	14,940,000	10,645,000	9,963,000	2,655,000	3,046,000	41,249,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Security

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Security Infrastructure Project	0	7,000,000	0	---	41,000,000	18	0	---	48,000,000
Closed Circuit TV Enhancement	0	0	0	---	0	---	22,000,000	18	22,000,000
Integrated Security Systems	0	4,000,000	500,000	18	19,500,000	18	0	---	24,000,000

Project Comments

- In December 2016, a schematic design cost estimate for the FLL Perimeter Security Enhancements was developed. In FY18, an additional \$41 million is provided to implement these security enhancements.
- In FY18, \$22 million is provided to purchase a CCTV Enterprise system for use on airport roadways, parking garages and surface lots, loading bridges, the fire station and the terminals.
- In FY18, \$20 million is provided to replace the current Electronic Safety and Security System to function as a one-stop gateway for all the Fort Lauderdale-Hollywood International Airport's access control panels, which integrate video surveillance, fire alarm, perimeter detection, radar and other airport operational systems.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Passenger Facilities Charges (PFC)	83,000,000	0	0	0	0	83,000,000
TOTAL	83,000,000	0	0	0	0	83,000,000
Funding Requirements						
Security Infrastructure Project	41,000,000	0	0	0	0	41,000,000
Closed Circuit TV Enhancement	22,000,000	0	0	0	0	22,000,000
Integrated Security Systems	20,000,000	0	0	0	0	20,000,000
TOTAL	83,000,000	0	0	0	0	83,000,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Parking

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	0	8,000,000	800,000	18	7,200,000	18	0	---	16,000,000
Remote Parking Lot Expansion	0	850,000	0	---	3,150,000	MY	0	---	4,000,000
Parking Revenue Control System Upgrade	650,000	715,000	0	---	1,360,000	MY	0	---	2,725,000

Project Comments

- In FY18, an additional \$8 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 FY18 and FY19, \$3,150,000 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.
- In FY18-22, \$1.36 million is provided to upgrade the Parking Access and Revenue Control System to replace end of life components to lengthen system functionality.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Aviation Funds	950,000	3,050,000	50,000	230,000	230,000	4,510,000
Loans Issued/Bonds	8,000,000	0	0	0	0	8,000,000
TOTAL	8,950,000	3,050,000	50,000	230,000	230,000	12,510,000

Funding Requirements

Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	8,000,000	0	0	0	0	8,000,000
Remote Parking Lot Expansion	350,000	2,800,000	0	0	0	3,150,000
Parking Revenue Control System Upgrade	600,000	250,000	50,000	230,000	230,000	1,360,000
TOTAL	8,950,000	3,050,000	50,000	230,000	230,000	12,510,000

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

North Perry Projects (HWO)

Funding Summary

	Actual Expenses Through FY 16	Modified FY 17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Vehicle Replacement	0	0	0	---	0	---	115,000	MY	115,000
Equipment Replacement	0	0	0	---	0	---	810,000	MY	810,000
HWO Runway 10R-28L Safety Enhancements (Phase 1)	0	0	250,000	18	2,090,450	19	0	---	2,340,450
HWO Rehabilitation of Runway 10R-28L (Phase 2)	0	0	200,000	19	3,800,000	19	0	---	4,000,000
HWO Integrated Security Systems	0	0	300,000	18	700,000	18	0	---	1,000,000

Project Comments

- In FY18, FY20 and FY22, a total of \$115,000 is provided for the replacement of vehicles.
- In FY18-22, \$810,000 is provided for the replacement of equipment.
- In FY18 and FY19, \$2,340,450 is provided for phase I of the North Perry runway 10R-28L safety enhancements. This runway is the main runway at the North Perry Airport.
- In FY19, \$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 FY18, \$1 million is provided for an integrated security system that will function as an all-encompassing wired and wireless access control and video management system that will integrate alarm monitoring, credentialing, and database management into a single platform.

BROWARD COUNTY CAPITAL BUDGET**Funding Schedule**

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Aviation Funds	257,500	454,520	190,000	150,000	190,000	1,242,020
Federal/State Grants	237,500	5,785,930	0	0	0	6,023,430
Passenger Facilities Charges (PFC)	1,000,000	0	0	0	0	1,000,000
TOTAL	1,495,000	6,240,450	190,000	150,000	190,000	8,265,450
<u>Funding Requirements</u>						
Vehicle Replacement	35,000	0	40,000	0	40,000	115,000
Equipment Replacement	210,000	150,000	150,000	150,000	150,000	810,000
HWO Runway 10R-28L Safety Enhancements (Phase 1)	250,000	2,090,450	0	0	0	2,340,450
HWO Rehabilitation of Runway 10R-28L (Phase 2)	0	4,000,000	0	0	0	4,000,000
HWO Integrated Security Systems	1,000,000	0	0	0	0	1,000,000
TOTAL	1,495,000	6,240,450	190,000	150,000	190,000	8,265,450

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Reserves

Funding Summary

	Actual Expenses Through FY 16	Modified FY17 Budget	FY18-22						Total
			Design		Construction		Other		
			FY	FY	FY	FY	FY	FY	
Aviation Reserves	N/A	N/A	0	---	0	---	1,877,510	MY	1,877,510

Project Comments

- Beginning in FY18, only the incremental increase to the reserves is shown in the capital program. There is currently a \$30 million reserve in the Aviation capital funds that will carry over to future years.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Interest Income	375,510	375,500	375,500	375,500	375,500	1,877,510
TOTAL	375,510	375,500	375,500	375,500	375,500	1,877,510
<u>Funding Requirements</u>						
Aviation Reserves	375,510	375,500	375,500	375,500	375,500	1,877,510
TOTAL	375,510	375,500	375,500	375,500	375,500	1,877,510

BROWARD COUNTY CAPITAL BUDGET**AVIATION FLL CAPITAL FUND (40350)****REVENUES****FY18**

Interest Income	151,110
Less 5%	(7,560)
Federal Grants	2,475,000
Transfer from Aviation Operating Funds	11,635,000
Bond Proceeds	181,825,000

TOTAL**\$196,078,550****APPROPRIATIONS**

Remote Transmitter/Radio Relocation	500,000
Runway 10R-28L Settlement Monitoring	400,000
Airfield Signage Replacement	170,000
Connector Bridges between Terminals 1, 2, & 3	129,000,000
Terminal 4 Federal Inspection Service (FIS) Facility	25,000,000
T4 Gate Replacement	15,300,000
Architectural Services for Master Plan	5,000,000
Transportation Network Company Lot	2,000,000
G & G Warehouse Improvements	1,300,000
Facility Improvement Allowance	1,000,000
Information Technology Software & Services Renewal and Replacement	375,000
Information Systems Renewal & Replacement	2,900,000
Radio Replacement	1,000,000
Equipment Replacement	895,000
PC Air Hose Reel Trolley Replacement	650,000
Vehicles (New)	595,000
Vehicles (Replacement)	450,000
Mobile Application Development	250,000
Waste Receptacles - Curbside	200,000
Rehabilitation of Rental Car Center, Hibiscus & Palm Garages	8,000,000
Remote Parking Lot Expansion	350,000
Parking Revenue Control System Upgrade	600,000
Reserves	143,550

TOTAL**\$196,078,550**

BROWARD COUNTY CAPITAL BUDGET

AVIATION PFC CAPITAL FUND (40450)

REVENUES

FY18

Interest Income	243,620
Less 5%	(12,170)
FAA/FDOT Grants	5,000,000
Passenger Facilities Charges (PFC)	106,800,000

TOTAL

\$112,031,450

APPROPRIATIONS

Airport Access Roadway System	10,000,000
T4 Checked Baggage Inspection System	8,000,000
Passenger Screening Lanes	1,800,000
Loading Bridges & PC Air & Ground Power Units	8,000,000
Security Infrastructure Project	41,000,000
Closed Circuit TV Enhancement	22,000,000
Integrated Security Systems	20,000,000
North Perry (HWO) Integrated Security Systems	1,000,000
Reserves	231,450

TOTAL

\$112,031,450

NORTH PERRY AIRPORT CAPITAL FUND (40550)

	<u>FY18</u>
REVENUES	
Interest Income	540
Less 5%	(30)
State and Federal Grants	237,500
Transfer from Aviation Operating Funds	257,500
TOTAL	\$495,510

APPROPRIATIONS	
Vehicle Replacement	35,000
Equipment Replacement	210,000
HWO Runway 10R-28L Safety Enhancements (Phase 1)	250,000
Reserves	510
TOTAL	\$495,510

PORT EVERGLADES CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
REVENUES					
State Grants/Federal Grants	38,500,000	18,500,000	27,350,000	4,500,000	3,500,000
Future Bond Proceeds/Financing	181,469,880	227,422,430	85,226,930	19,844,040	18,912,610
Transfer from Operating Fund	45,020,000	40,000,000	35,000,000	35,000,000	35,000,000
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	40,035,770	0	0	0	0
TOTAL REVENUES	<u>\$305,405,650</u>	<u>\$286,302,430</u>	<u>\$147,956,930</u>	<u>\$59,724,040</u>	<u>\$57,792,610</u>

APPROPRIATIONS

General Infrastructure Facilities

Miscellaneous Infrastructure Improvements	500,000	500,000	500,000	500,000	500,000
Utility Infrastructure Improvements	550,000	550,000	550,000	550,000	550,000
Annual Fender, Mooring & Bollard Improvements	500,000	500,000	500,000	500,000	500,000
Subtotal	<u>1,550,000</u>	<u>1,550,000</u>	<u>1,550,000</u>	<u>1,550,000</u>	<u>1,550,000</u>

2014 Master Plan Projects - Midport Improvements

Cruise Terminal 21	12,000,000	13,000,000	0	0	0
Cruise Terminal 25	75,412,600	0	0	0	0
Cruise Terminal 29	0	0	0	1,250,000	12,875,000
Multimodal Facility - Phase 1	3,000,000	16,480,000	22,454,000	0	0
Tracor Basin Fill	0	0	0	4,400,000	22,660,000
New Bulkheads at Berths 16, 17, & 18	1,150,000	11,948,000	11,948,000	0	0
New Bulkheads at Berths 19 & 20	0	0	0	0	1,700,000
New Bulkheads at Berths 21 & 22	1,900,000	9,579,000	9,579,000	0	0
Subtotal	<u>93,462,600</u>	<u>51,007,000</u>	<u>43,981,000</u>	<u>5,650,000</u>	<u>37,235,000</u>

2014 Master Plan Projects - Northport Improvements

Terminal 2 & 4 Parking Garages	25,000,000	35,000,000	0	0	0
New Bulkheads at Berths 1, 2 & 3	11,639,000	11,639,000	0	0	0
Slip 1 New Bulkheads at Berths 7 & 8 Phase II	1,350,000	13,802,000	13,802,000	0	0
Slip 3 Bulkheads at Berths 14 & 15	0	2,500,000	12,823,500	12,823,500	0
Subtotal	<u>37,989,000</u>	<u>62,941,000</u>	<u>26,625,500</u>	<u>12,823,500</u>	<u>0</u>

PORT EVERGLADES CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
<u>2014 Master Plan Projects - Southport Improvements</u>					
Southport Turning Notch Expansion - Contracts 1 & 2	102,978,220	102,978,220	0	0	0
Super Post Panamax Cranes	0	0	0	15,000,000	0
Phase 9a Container Yard	0	9,064,000	0	0	0
Berth 33 Reconfiguration	0	0	0	0	5,100,000
Subtotal	<u>102,978,220</u>	<u>112,042,220</u>	<u>0</u>	<u>15,000,000</u>	<u>5,100,000</u>
<u>2014 Master Plan Projects - Portwide</u>					
Army Corps of Engineers Deepening & Widening	41,375,000	41,375,000	52,750,000	2,000,000	0
Subtotal	<u>41,375,000</u>	<u>41,375,000</u>	<u>52,750,000</u>	<u>2,000,000</u>	<u>0</u>
<u>Other Port Capital</u>					
Annual Crane Parts & Support	300,000	300,000	300,000	300,000	300,000
Annual Spare Parts for Loading Bridges	100,000	100,000	100,000	100,000	100,000
Crane Improvements/Replacements	0	0	8,750,000	8,750,000	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	600,000	600,000	600,000	600,000	600,000
Matching Funds for Port Security	1,850,000	925,000	775,000	360,000	250,000
Miscellaneous Terminal Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Port Information Technology Systems	105,000	105,000	105,000	105,000	105,000
Portwide Wayfinding/Signage	800,000	0	0	0	0
Renew/Replace Equipment	1,800,000	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
Seaport Engineering & Construction Division Expenses	2,045,830	2,107,210	2,170,430	2,235,540	2,302,610
Logistics Center Milestone Payment	0	3,000,000	0	0	0
Subtotal	<u>13,850,830</u>	<u>14,387,210</u>	<u>20,050,430</u>	<u>19,700,540</u>	<u>10,907,610</u>
<u>Reserves</u>					
Reserve for Renewal/Replacement	14,200,000	3,000,000	3,000,000	3,000,000	3,000,000
Subtotal	<u>14,200,000</u>	<u>3,000,000</u>	<u>3,000,000</u>	<u>3,000,000</u>	<u>3,000,000</u>
TOTAL APPROPRIATIONS	<u>\$305,405,650</u>	<u>\$286,302,430</u>	<u>\$147,956,930</u>	<u>\$59,724,040</u>	<u>\$57,792,610</u>

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
General Infrastructure Facilities

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Miscellaneous Infrastructure Improvements	N/A	N/A	0	--	0	--	2,500,000	MY	2,500,000
Utility Infrastructure Improvements	N/A	N/A	0	--	0	--	2,750,000	MY	2,750,000
Annual Fender, Mooring & Bollard Improvements	N/A	N/A	0	--	0	--	2,500,000	MY	2,500,000

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>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</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
TOTAL	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	7,750,000
Funding Requirements						
Miscellaneous Infrastructure Improvements	500,000	500,000	500,000	500,000	500,000	2,500,000
Utility Infrastructure Improvements	550,000	550,000	550,000	550,000	550,000	2,750,000
Annual Fender, Mooring & Bollard Improvements	500,000	500,000	500,000	500,000	500,000	2,500,000
TOTAL	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 - Midport Improvements

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Cruise Terminal 21	0	500,000	0	--	25,000,000	MY	0	--	25,500,000
Cruise Terminal 25	430,900	39,119,099	0	--	75,412,600	18	0	--	114,962,599
Cruise Terminal 29	0	175,000	1,250,000	21	12,875,000	22	0	--	14,300,000
Multimodal Facility - Phase 1	0	0	3,000,000	18	38,934,000	MY	0	--	41,934,000
Tracor Basin Fill	0	0	4,400,000	21	22,660,000	22	0	--	27,060,000
New Bulkheads at Berths 16, 17, & 18	0	1,150,000	1,150,000	18	23,896,000	MY	0	--	26,196,000
New Bulkheads at Berths 19 & 20	0	0	1,700,000	22	0	--	0	--	1,700,000
New Bulkheads at Berths 21 & 22	0	0	1,900,000	18	19,158,000	MY	0	--	21,058,000

Project Comments

- \$25 million is budgeted in FY18-19 for renovations at Cruise Terminal 21.
- \$75.4 million is programmed in FY18 for improvements to Cruise Terminal 25 to accommodate larger passenger ships including increasing the baggage-handling area.
- \$14.1 million is programmed in FY21-22 for improvements to Cruise Terminal 29 to achieve greater operational flexibility in handling cruise ships while improving passenger flow and baggage handling.
- \$41.9 million is appropriated in FY18-20 for the design and construction of a multimodal center centrally located for the loading and unloading of buses, shuttles, and taxis. This center will also provide 4,000 additional parking spaces at Midport.
- \$27.1 million is programmed in FY21-22 for the design and construction of filling the Tracor Basin in order to lengthen Berth 29 to the north.
- \$47.8 million is programmed in FY18-22 for the construction of new bulkheads at Berths 16, 17, 18, 19, 20, 21 and 22.

BROWARD COUNTY CAPITAL BUDGET**Funding Schedule**

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	55,834,940	14,264,390	4,590,530	5,650,000	23,422,390	103,762,250
Future Bond Proceeds/Financing	37,627,660	36,742,610	39,390,470	0	13,812,610	127,573,350
TOTAL	93,462,600	51,007,000	43,981,000	5,650,000	37,235,000	231,335,600
<u>Funding Requirements</u>						
Cruise Terminal 21	12,000,000	13,000,000	0	0	0	25,000,000
Cruise Terminal 25	75,412,600	0	0	0	0	75,412,600
Cruise Terminal 29	0	0	0	1,250,000	12,875,000	14,125,000
Multimodal Facility - Phase 1	3,000,000	16,480,000	22,454,000	0	0	41,934,000
Tracor Basin Fill	0	0	0	4,400,000	22,660,000	27,060,000
New Bulkheads at Berths 16, 17, & 18	1,150,000	11,948,000	11,948,000	0	0	25,046,000
New Bulkheads at Berths 19 & 20	0	0	0	0	1,700,000	1,700,000
New Bulkheads at Berths 21 & 22	1,900,000	9,579,000	9,579,000	0	0	21,058,000
TOTAL	93,462,600	51,007,000	43,981,000	5,650,000	37,235,000	231,335,600

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
2014 Master Plan - Northport Improvements

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Terminal 2 & 4 Parking Garages	0	4,400,001	0	--	60,000,000	MY	0	--	64,400,001
New Bulkheads at Berths 1, 2,3	0	2,300,000	0	--	23,278,000	MY	0	--	25,578,000
Slip 1 New Bulkheads at Berths 7 & 8 Phase II	0	1,350,000	1,350,000	18	27,604,000	MY	0	--	30,304,000
Slip 3 Bulkheads at Berths 14 & 15	0	0	2,500,000	19	25,647,000	MY	0	--	28,147,000

Project Comments

- \$60 million is programmed in FY18-19 for a new 1,680 space parking garage located west of terminal 4 to serve both Cruise Terminal 4 and Cruise Terminal 2.
- \$80.4 million is programmed in FY18-21 for the construction of new bulkheads at Berths 1, 2, 3, 7, 8, 14 and 15.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	0	10,678,400	9,689,040	8,979,460	0	29,346,900
State Grants/Federal Grants*	3,600,000	0	0	0	0	3,600,000
Future Bond Proceeds/Financing	34,389,000	52,262,600	16,936,460	3,844,040	0	107,432,100
TOTAL	37,989,000	62,941,000	26,625,500	12,823,500	0	140,379,000

Funding Requirements

Terminal 2 & 4 Parking Garages	25,000,000	35,000,000	0	0	0	60,000,000
New Bulkheads at Berths 1, 2,3	11,639,000	11,639,000	0	0	0	23,278,000
Slip 1 New Bulkheads at Berths 7 & 8 Phase II	1,350,000	13,802,000	13,802,000	0	0	28,954,000
Slip 3 Bulkheads at Berths 14 & 15	0	2,500,000	12,823,500	12,823,500	0	28,147,000
TOTAL	37,989,000	62,941,000	26,625,500	12,823,500	0	140,379,000

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

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
2014 Master Plan - Southport Improvements

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Southport Turning Notch Expansion-Contracts 1 & 2	22,587,886	178,116,979	0	--	205,956,440	MY	0	--	406,661,305
Super Post Panamax Cranes	2,206,979	54,504,965	0	--	0	--	15,000,000	21	71,711,944
Phase 9a Container Yard	0	900,000	0	--	9,064,000	19	0	--	9,964,000
Berth 33 Reconfiguration	0	0	5,100,000	22	0	--	0	--	5,100,000

Project Comments

- \$205.9 million is programmed in FY18-19 for the Southport Turning Notch expansion of Berth 30 and the addition of a new berth for the importation of crushed rock aggregate.
- \$15 million is programmed in FY21 for the acquisition of a new post-Panama gantry crane to be positioned at the proposed Berth Southport Turning Notch Expansion location.
- \$9.1 million is programmed in FY19 for construction of a new container yard west of McIntosh Rd.
- \$5.1 million is programmed in FY22 for configuration of Berth 33 to add container yard space.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
State Grants/Federal Grants*	6,000,000	0	0	0	0	6,000,000
Future Bond Proceeds/Financing	96,978,220	112,042,220	0	15,000,000	5,100,000	229,120,440
TOTAL	102,978,220	112,042,220	0	15,000,000	5,100,000	235,120,440

Funding Requirements

Southport Turning Notch Expansion-Contracts 1 & 2	102,978,220	102,978,220	0	0	0	205,956,440
Super Post Panamax Cranes	0	0	0	15,000,000	0	15,000,000
Phase 9a Container Yard	0	9,064,000	0	0	0	9,064,000
Berth 33 Reconfiguration	0	0	0	0	5,100,000	5,100,000
TOTAL	102,978,220	112,042,220	0	15,000,000	5,100,000	235,120,440

*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 FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Army Corps of Engineers Deepening & Widening	561,888	69,550,519	0	--	137,500,000	MY	0	--	207,612,407

Project Comments

- \$137.5 million is programmed over the 5-year capital program to improve navigational channels and deepen the Intracoastal Waterway to allow for larger vessels at Port Everglades.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
State Grants/Federal Grants*	28,900,000	15,000,000	23,850,000	1,000,000	0	68,750,000
Future Bond Proceeds/Financing	12,475,000	26,375,000	28,900,000	1,000,000	0	68,750,000
TOTAL	41,375,000	41,375,000	52,750,000	2,000,000	0	137,500,000
Funding Requirements						
Army Corps of Engineers Deepening & Widening	41,375,000	41,375,000	52,750,000	2,000,000	0	137,500,000
TOTAL	41,375,000	41,375,000	52,750,000	2,000,000	0	137,500,000

*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 FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Annual Crane Parts & Support	N/A	N/A	0	--	0	--	1,500,000	MY	1,500,000
Annual Spare Parts for Loading Bridges	N/A	N/A	0	--	0	--	500,000	MY	500,000
Crane Improvements/Replacements	N/A	N/A	0	--	0	--	17,500,000	MY	17,500,000
General Architectural/Engineering Services	N/A	N/A	0	--	0	--	14,500,000	MY	14,500,000
General Terminal Improvements	N/A	N/A	0	--	0	--	10,000,000	MY	10,000,000
In-House Labor & Overhead	N/A	N/A	0	--	0	--	3,000,000	MY	3,000,000
Matching Funds for Port Security Grant	N/A	N/A	0	--	0	--	4,160,000	MY	4,160,000
Miscellaneous Terminal Improvements	N/A	N/A	0	--	0	--	5,000,000	MY	5,000,000
Port Information Technology Systems	N/A	N/A	0	---	0	---	525,000	MY	525,000
Portwide Wayfinding/Signage	0	0	0	---	0	---	800,000	18	800,000
Renew/Replace Equipment	N/A	N/A	0	---	0	---	5,800,000	MY	5,800,000
Art In Public Places	N/A	N/A	0	---	0	---	1,750,000	MY	1,750,000
Seaport Engineering & Construction Division Expenses	N/A	N/A	0	---	0	---	10,861,621	MY	10,861,621
Logistics Center Milestone Payment	0	0	0	---	0	---	3,000,000	19	3,000,000

Project Comments

- \$1.5 million is provided for replacement and improvement for crane parts and support.
- \$500,000 is provided over the course of the 5-year capital program for spare parts for loading bridges.
- \$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 FY18-22 for general and miscellaneous improvements to cruise terminals.
- \$3 million is programmed in FY18-22 for in house labor and overhead costs associated with capital projects.
- \$4.16 million is programmed in FY18-22 as matching funds for Port security grants.
- 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.
- In FY18, funding for Portwide signage is provided to increase navigational aids throughout the port and provide assistance in locating cruise terminals.
- \$5.8 million is programmed in FY18-22 for replacement equipment.
- Funding for Art in Public Places 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 is provided in FY18-22 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.
- In FY19, a Logistics Center Milestone payment is budgeted as part of a public/private partnership to construct a new Foreign Trade Zone.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

Funding Sources	FY18	FY19	FY20	FY21	FY22	TOTAL
Fund Balance/Operating Revenues	13,850,830	10,887,210	16,550,430	16,200,540	7,407,610	64,896,620
State Grants/Federal Grants*	0	3,500,000	3,500,000	3,500,000	3,500,000	14,000,000
TOTAL	13,850,830	14,387,210	20,050,430	19,700,540	10,907,610	78,896,620
Funding Requirements						
Annual Crane Parts & Support	300,000	300,000	300,000	300,000	300,000	1,500,000
Annual Spare Parts for Loading Bridges	100,000	100,000	100,000	100,000	100,000	500,000
Crane Improvements/Replacements	0	0	8,750,000	8,750,000	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	600,000	600,000	600,000	600,000	600,000	3,000,000
Matching Funds for Port Security Grant	1,850,000	925,000	775,000	360,000	250,000	4,160,000
Miscellaneous Terminal Improvements	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Port Information Technology Systems	105,000	105,000	105,000	105,000	105,000	525,000
Portwide Wayfinding/Signage	800,000	0	0	0	0	800,000
Renew/Replace Equipment	1,800,000	1,000,000	1,000,000	1,000,000	1,000,000	5,800,000
Art in Public Places	350,000	350,000	350,000	350,000	350,000	1,750,000
Seaport Engineering & Construction Division Expenses	2,045,830	2,107,210	2,170,430	2,235,540	2,302,610	10,861,620
Logistic Center Milestone Payment	0	3,000,000	0	0	0	3,000,000
TOTAL	13,850,830	14,387,210	20,050,430	19,700,540	10,907,610	78,896,620

*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 FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Reserve for Renewal/Replacement	N/A	N/A	0	--	0	--	26,200,000	MY	26,200,000

Project Comments

- \$26.2 million is programmed for reserve for renewal and replacement over the 5 year capital program.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Fund Balance/Operating Revenues	14,200,000	3,000,000	3,000,000	3,000,000	3,000,000	26,200,000
TOTAL	14,200,000	3,000,000	3,000,000	3,000,000	3,000,000	26,200,000
<u>Funding Requirements</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Reserve for Renewal/Replacement	14,200,000	3,000,000	3,000,000	3,000,000	3,000,000	26,200,000
TOTAL	14,200,000	3,000,000	3,000,000	3,000,000	3,000,000	26,200,000

WATER AND WASTEWATER CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
REVENUES					
User Fees	33,000,000	49,066,530	31,006,800	50,393,580	22,593,580
Capital Recovery Charges	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Future Bond Proceeds	74,775,850	77,000,000	9,000,000	0	58,100,000
TOTAL REVENUES	<u>\$109,775,850</u>	<u>\$128,066,530</u>	<u>\$42,006,800</u>	<u>\$52,393,580</u>	<u>\$82,693,580</u>

APPROPRIATIONS

Retail Water & Wastewater

Generic Administrative Campus Facilities Replacement	250,000	0	0	0	0
Admin. Bldgs. 1 & 2 Fuel Delivery System	55,000	0	0	0	0
Admin. Complex Roof, Bldgs. 2, 3, 4, 5 & 6	400,000	0	0	0	0
Automatic Meter Reading (AMR) Technology	250,000	0	0	0	0
Capital Project Support	1,073,370	3,213,580	3,213,580	3,213,580	3,213,580
Davis Isles New Sewers & Water Main Replacement	170,000	1,870,000	0	0	0
Generic Developer Agreement Funding	300,000	300,000	300,000	300,000	300,000
District 2 Septic Tank Elimination Area 2-Q	75,000	0	0	0	0
District 2 Septic Tank Elimination Area 2-G	250,000	2,250,000	0	0	0
District 2 Septic Tank Elimination Area 2-F	700,000	0	3,000,000	0	0
District 3A Septic Tank Elimination Area 3A-N	515,000	2,000,000	0	0	0
District 3A Septic Tank Elimination Area 3A-O	0	0	0	1,800,000	0
District 3A Septic Tank Elimination Area 3A-Y	0	0	0	1,030,000	0
District 3BC Septic Tank Elimination	200,000	0	10,000,000	0	21,000,000
Facility Chlorination System 3B	107,000	0	0	0	0
Generic Facilities Rehabilitation	300,000	300,000	300,000	300,000	300,000
Hillsboro Mile Wastewater System Improvements	1,425,390	0	0	0	0
Incident Command Center HVAC Replacement	0	26,000	0	0	
Information Technology Disaster Recovery	95,120	0	0	0	0
Lift Station 222 Generator & Odor Control	60,000	300,000	0	0	0

WATER AND WASTEWATER CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
Generic Lift Station Rehabilitation	2,550,000	2,800,000	2,550,000	2,300,000	2,300,000
Master Pump Station 220 Rehabilitation	0	176,950	769,220	0	0
Maximo Maintenance Management System Upgrade	50,000	0	0	0	0
Generic Multi-District Inflow/Infiltration Reduction Program	1,500,000	1,500,000	1,000,000	1,000,000	1,000,000
NRWWTP Canal Crossing Endwalls	92,000	0	0	0	0
Reclaimed Water Transmission System Expansion	3,700,000	0	0	0	0
Generic Retail Facility Demolition	300,000	0	0	0	0
Generic Septic Tank Elimination Program	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000
Generic Short Line Extensions & Relocations	1,000,000	1,000,000	750,000	750,000	750,000
Sludge Handling System Improvement WTP 1A & 2A	3,150,000	0	0	0	0
UAZ* 108 Water/Sewer Pipe Improvements	1,674,090	16,020,000	1,724,000	0	0
UAZ* 110/111 Water/Sewer Pipe Improvements	17,900,000	12,500,000	0	0	0
UAZ* 113 Water/Sewer Pipe Improvements	3,400,000	0	0	0	0
UAZ* 122/123 Water/Sewer Pipe Improvements	4,303,000	15,400,000	0	0	0
Generic Utility Locating and GIS Mapping	350,000	350,000	350,000	350,000	0
Water Storage Tank 1A2	5,161,640	0	0	0	0
Water Storage Tank 1B1	812,000	0	0	0	0
Water Storage Tank 2A	676,000	0	0	0	0
Water System Improvements 3C	0	1,320,000	13,750,000	13,750,000	12,430,000
Water Treatment Plant Expansion 2A	0	0	0	500,000	0
1A & 2A WTP Switchgear Replacement	2,499,800	0	0	15,800,000	0
3B & 3C 4-log Inactivation	110,000	1,040,000	0	0	0
Subtotal	<u>58,454,410</u>	<u>65,366,530</u>	<u>40,706,800</u>	<u>44,093,580</u>	<u>44,293,580</u>

*NRWWTP - North Regional Wastewater Treatment Plant

**UAZ - Utility Analysis Zone

WATER AND WASTEWATER CAPITAL

	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>
<u>Regional Treatment</u>					
Capital Project Support	1,709,460	0	0	0	0
NRWWTP* Capacity Improvement	464,390	0	0	0	0
NRWWTP* Disposal System - Transmission System	14,650,000	0	0	0	0
NRWWTP* - Emergency Power System	0	13,000,000	0	0	0
NRWWTP Effluent Outfall Pump Station	0	2,100,000	0	0	37,100,000
NRWWTP* - Facilities Improvements	24,246,000	45,000,000	0	0	0
Generic NRWWTP* Rehabilitation	800,000	800,000	800,000	800,000	800,000
Septage Receiving Facility Operations/Admin. Bldg.	157,780	0	0	0	0
Subtotal	<u>42,027,630</u>	<u>60,900,000</u>	<u>800,000</u>	<u>800,000</u>	<u>37,900,000</u>
<u>Regional Transmission</u>					
Capital Project Support	430,750	0	0	0	0
Master Pump Station 450 Improvements	554,000	0	0	0	0
Master Pump Station 454 Rehabilitation	6,490,070	0	0	0	0
Master Pump Station 456 Improvements	173,990	0	0	0	0
Master Pump Stations 452 & 458 Rehabilitation	0	1,300,000	0	7,000,000	0
Generic Master Pump Stations Rehabilitation	500,000	500,000	500,000	500,000	500,000
Regional Sewer Air Relief Valves	650,000	0	0	0	0
Regional Transmission System Master Plan	495,000	0	0	0	0
Subtotal	<u>9,293,810</u>	<u>1,800,000</u>	<u>500,000</u>	<u>7,500,000</u>	<u>500,000</u>
*NRWWTP - North Regional Wastewater Treatment Plant					
**UAZ - Utility Analysis Zone					
TOTAL APPROPRIATIONS	<u>\$109,775,850</u>	<u>\$128,066,530</u>	<u>\$42,006,800</u>	<u>\$52,393,580</u>	<u>\$82,693,580</u>

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Enterprise/Water & Wastewater

PROJECT
Retail/New Construction

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Generic Administrative Campus Facilities Replacement	N/A	N/A	50,000	18	200,000	18	0	---	250,000
Admin. Bldgs. 1 & 2 Fuel Delivery System	0	0	0	---	55,000	18	0	---	55,000
Admin. Complex Roof, Bldgs. 2, 3, 4, 5 & 6	6	2,900,000	100,000	18	300,000	18	0	---	3,300,006
Automatic Meter Reading (AMR) Technology	0	0	0	---	250,000	18	0	---	250,000
Capital Project Support	N/A	N/A	0	---	0	---	13,927,690	MY	13,927,690
Davis Isles New Sewers & Water Main Replacement	0	0	340,000	MY	1,700,000	19	0	---	2,040,000
Generic Developer Agreement Funding	N/A	N/A	0	---	1,500,000	MY	0	---	1,500,000
District 2 Septic Tank Elimination Area 2-Q	22,707	216,895	0	---	75,000	18	0	---	314,602
District 2 Septic Tank Elimination Area 2-G	0	230,000	500,000	MY	2,000,000	19	0	---	2,730,000
District 2 Septic Tank Elimination Area 2-F	0	0	700,000	18	3,000,000	20	0	---	3,700,000
District 3A Septic Tank Elimination Area 3A-N	0	0	515,000	18	2,000,000	19	0	---	2,515,000
District 3A Septic Tank Elimination Area 3A-O	0	0	1,800,000	21	0	---	0	---	1,800,000
District 3A Septic Tank Elimination Area 3A-Y	0	0	1,030,000	21	0	---	0	---	1,030,000
District 3BC Septic Tank Elimination	0	0	10,200,000	MY	21,000,000	22	0	---	31,200,000
Facility Chlorination System 3B	0	413,000	0	---	107,000	18	0	---	520,000
Generic Facilities Rehabilitation	N/A	N/A	0	---	1,500,000	MY	0	---	1,500,000
Hillsboro Mile Wastewater System Improvements	978,807	9,366,283	646,650	18	778,740	18	0	---	11,770,480
Incident Command Center HVAC Replacement	1,814	700,000	0	---	26,000	19	0	---	727,814
Information Technology Disaster Recovery	95,116	404,884	0	---	0	---	95,120	18	595,120
Lift Station 222 Generator & Odor Control	0	0	60,000	18	300,000	19	0	---	360,000
Generic Lift Station Rehabilitation	N/A	N/A	3,500,000	MY	9,000,000	MY	0	---	12,500,000
Master Pump Station 220 Rehabilitation	1,130,223	706,011	176,950	19	769,220	20	0	---	2,782,404
Maximo Maintenance Management System Upgrade	758	271,616	50,000	18	0	---	0	---	322,374
Generic Multi-District Inflow/Infiltration Reduction Program	N/A	N/A	0	---	6,000,000	MY	0	---	6,000,000
NRWWTP Canal Crossing Endwalls	0	0	22,000	18	70,000	18	0	---	92,000
Reclaimed Water Transmission System Expansion	5,878	7,000,000	700,000	18	3,000,000	18	0	---	10,705,878

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction (Continued)

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design FY	Construction FY	Other FY				
Generic Retail Facility Demolition	N/A	N/A	50,000	18	250,000	18	0	---	300,000
Generic Septic Tank Elimination Program	N/A	N/A	5,000,000	MY	10,000,000	MY	0	---	15,000,000
Generic Short Line Extensions & Relocations	N/A	N/A	1,250,000	MY	3,000,000	MY	0	---	4,250,000
Sludge Handling System Improvement WTP 1A & 2A	0	0	650,000	18	2,500,000	18	0	---	3,150,000
UAZ* 108 Water/Sewer Pipe Improvements	18,363	189,861	3,418,090	MY	16,000,000	19	0	---	19,626,314
UAZ* 110/111 Water/Sewer Pipe Improvements	4,697	2,600,000	4,400,000	MY	26,000,000	MY	0	---	33,004,697
UAZ* 113 Water/Sewer Pipe Improvements	5,540	36,540,000	3,400,000	18	0	---	0	---	39,945,540
UAZ* 122/123 Water/Sewer Pipe Improvements	179,868	16,229,791	4,303,000	18	15,400,000	19	0	---	36,112,659
Generic Utility Locating and GIS Mapping	N/A	N/A	1,400,000	MY	0	---	0	---	1,400,000
Water Storage Tank 1A2	376,345	3,803,822	1,012,000	18	4,149,640	18	0	---	9,341,807
Water Storage Tank 1B1	632,156	7,390,618	0	---	812,000	18	0	---	8,834,774
Water Storage Tank 2A	86,302	5,826,720	676,000	18	0	---	0	---	6,589,022
Water System Improvements 3C	0	0	8,250,000	MY	33,000,000	MY	0	---	41,250,000
Water Treatment Plant Expansion 2A	2,592	250,000	0	---	0	---	500,000	21	752,592
1A & 2A WTP Switchgear Replacement	104,844	3,462,625	2,499,800	18	15,800,000	21	0	---	21,867,269
3B & 3C 4-log Inactivation	3,715	48,481	230,000	MY	920,000	19	0	---	1,202,196

Project Comments

- Funding is provided in FY18 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 is provided in FY18 to replace existing underground fuel tank sump and fuel delivery system to generators which service WWS Administration Buildings 1 & 2.
- Funding is provided in FY18 to replace roofing at the WWS Administrative Complex on buildings 2, 3, 4, 5 & 6.
- Funding is provided in FY18 to replace water meters in one Utility Analysis Zone (UAZ) with Automated Meter Reading (AMR) technology as Phase 1 of a pilot project.
- Funding for Capital Project Support reimburses the Water and Wastewater Operating Fund for project management, staff review, and other administration costs of capital projects.

- Davis Isles is a neighborhood in the City of Dania Beach. Funding is provided in FY18-19 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 FY18-22 for the County's portion of lift stations for developer projects, as needed by the County.
- Funding is provided in FY18 for District 2 septic tank elimination in Area 2-Q to install 550 linear feet of gravity sewer and 620 linear feet of water main on NW 14th Avenue between NW 34th Court and Sample Road.
- Funding is provided in FY18 and 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 FY18 and 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 FY18 and 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 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 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 FY18, FY20, an 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 in FY18 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 FY18-22 for required major repairs/replacement of process equipment at the water treatment/distribution facilities that significantly extend the useful life of the equipment. Miscellaneous facility modifications and/or repairs, small consulting studies, and engineering work are also funded from this project to support these facilities.
- Funding is provided in FY18 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.
- Funding is provided in FY18 to provide an off-site disaster recovery location for mission critical applications and core infrastructure redundancy.
- Funding is provided in FY18 and FY19 to design and construct a generator enclosure and odor control system at Lift Station 222.
- Funding is provided in FY18-22 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 FY18 to upgrade the Maximo Maintenance Management System to improve interfaces with WWS business applications and systems, including GIS, PeopleSoft, Peace and other work order systems.

- Funding is provided in FY18-22 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 FY18 to inspect both endwalls for each of the two roadway crossings of the canal between the WWS Administrative Complex and WWS North Regional Wastewater Treatment Plant and restore the embankment.
- Funding is provided in FY18 for the expansion of the reclaimed water transmission system to supply reclaimed water for irrigation in Broward County.
- Funding is provided in FY18 to demolish various obsolete water treatment and storage facilities at water treatment plants and distribution facilities. Also, funding is included for general structural improvements at retail facilities, including hurricane hardening.
- Funding is provided in FY18-22 for sewer main projects for the purpose of eliminating septic tanks, and constructing short water mains, as needed.
- Funding is provided in FY18-22 for a variety of small water and sewer main projects, requiring short line extensions and relocations.
- Funding is provided in FY18 to replace/upgrade the aging sludge handling system at WTP 1A and 2A, including vacuum filters, vacuum receivers, silencers, filtrate pumps and other related equipment.
- Funding is provided in FY18-20 to replace approximately 34,000 linear feet of water main and 34,000 linear feet of sewer main in UAZ 108, which is located in the City of Lauderdale Lakes.
- Funding is provided in FY18 and 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 FY18 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.
- Funding is provided in FY18 and FY19 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 FY18-21 to perform utility locations related GIS mapping for existing water and sewer infrastructure.
- Funding is provided in FY18 to construct a 1.5 million gallon potable water storage tank and new variable speed pumping station to replace the existing obsolete 0.5 million gallon tank and pumping station at Water Distribution Facility 1A2, and 1,400 feet of new 20-inch water main to provide additional water storage and supply capacity for the expanded District 1 service area south of Sunrise Boulevard in the City of Lauderdale.
- Funding is provided in FY18 to construct a 2 million gallon potable water storage tank and pumping station with variable speed pumps and emergency power to provide increased potable water storage and pumping capacity at WWS Distribution Facility 1B1. This project is to accommodate projected water demand growth. The tank is located south of McNab Road and west of I-95 in the City of Ft. Lauderdale.
- Funding is provided in FY18 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 Plant 2A site to accommodate future demand growth. WTP 2A is located south of NE 54 Street and east of Dixie Highway in the City of Pompano Beach.
- Funding is provided in FY19-22 for 3C water system improvements, including improvements to approximately 223,000 feet of undersized water main, improvements to fire protection, and replacement of about 3,800 old galvanized steel service lines which have reached the end of their design life.

BROWARD COUNTY CAPITAL BUDGET

- Funding is provided in FY21 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 is provided in FY18 and FY21 to obsolete 4160-volt and 480-volt switchgear including the main power feed breakers at Water Plans 1A and 2A. This project also includes the development of an electrical master plan for Water Treatment Plant 2A.
- Funding is provided in FY18 and FY19 to provide 4-log inactivation for 3BC service area. This project also includes studies to determine alternatives for 4-log inactivation.

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Water and Wastewater Revenues	58,454,410	65,366,530	40,706,800	44,093,580	44,293,580	252,914,900
TOTAL	58,454,410	65,366,530	40,706,800	44,093,580	44,293,580	252,914,900

Funding Requirements

Design	21,088,540	8,156,950	16,824,000	7,680,000	3,180,000	56,929,490
Construction	36,197,380	53,996,000	20,669,220	32,700,000	37,900,000	181,462,600
Other Capital Costs	1,168,490	3,213,580	3,213,580	3,713,580	3,213,580	14,522,810
TOTAL	58,454,410	65,366,530	40,706,800	44,093,580	44,293,580	252,914,900

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Enterprise/Water & Wastewater

PROJECT
Regional Treatment

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	1,709,460	18	1,709,460
NRWWTP* Capacity Improvement	28,051,057	75,055,124	0	---	464,390	18	0	---	103,570,571
NRWWTP* Disposal System - Transmission System	490,463	66,107,619	10,150,000	18	4,500,000	18	0	---	81,248,082
NRWWTP* - Emergency Power System	0	3,700,000	0	---	13,000,000	19	0	---	16,700,000
NRWWTP Effluent Outfall Pump Station	0	0	4,200,000	MY	35,000,000	22	0	---	39,200,000
NRWWTP* Facilities Improvements	6,763,017	53,848,883	2,846,000	18	66,400,000	MY	0	---	129,857,900
Generic NRWWTP* Rehabilitation	358,648	1,340,449	500,000	MY	2,500,000	MY	1,000,000	MY	5,699,097
Septage Receiving Facility Operations/Admin. Bldg.	24,477	3,143,501	57,780	18	100,000	18	0	---	3,325,758

*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 FY18 for the expansion of the reclaimed water filter capacity from 10 mgd to 26 mgd at the North Regional Wastewater Treatment Plant.
- Funding is provided in FY18 for the design and construction of a reclaimed water distribution system in northern Broward County.
- Funding is provided in FY19 to construct Electrical Distribution Building 2 with two 2.5-megawatt generators to support the reclaimed water plant. The project also includes diesel fuel tanks, dual Florida Power & Light feeds, a switchgear, and controls.
- Funding is provided in FY19 and FY22 to construct a new effluent outfall pump station.
- Funding is provided in FY18 and FY19 for miscellaneous infrastructure improvements at North Regional Water Wastewater Treatment Plant (NRWWTP) facilities.
- In FY18-22, funding is provided for the renewal and replacement of miscellaneous equipment within the North Regional Wastewater Treatment Plant.
- In FY18, funding is provided to construct and equip a new Septage Receiving Facility operations and administration building.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Water and Wastewater Revenues	42,027,630	60,900,000	800,000	800,000	37,900,000	142,427,630
TOTAL	42,027,630	60,900,000	800,000	800,000	37,900,000	142,427,630
<u>Funding Requirements</u>						
Design	13,153,780	2,200,000	100,000	100,000	2,200,000	17,753,780
Construction	26,964,390	58,500,000	500,000	500,000	35,500,000	121,964,390
Other Capital Costs	1,909,460	200,000	200,000	200,000	200,000	2,709,460
TOTAL	42,027,630	60,900,000	800,000	800,000	37,900,000	142,427,630

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Regional Transmission

Funding Summary

	Actual Expenses Through FY16	Modified FY17 Budget	FY18-22						Total
			Design	FY	Construction	FY	Other	FY	
Capital Project Support	N/A	N/A	0	---	0	---	430,750	18	430,750
Master Pump Station 450 Improvements	956,068	7,326,159	0	---	554,000	18	0	---	8,836,227
Master Pump Station 454 Rehabilitation	66,717	351,939	515,070	18	5,975,000	18	0	---	6,908,726
Master Pump Station 456 Improvements	627,460	4,426,907	0	---	173,990	18	0	---	5,228,357
Master Pump Stations 452 & 458 Rehabilitation	0	0	1,300,000	19	7,000,000	21	0	---	8,300,000
Generic Master Pump Stations Rehabilitation	411	1,810,000	250,000	MY	1,750,000	MY	500,000	MY	4,310,411
Regional Sewer Air Relief Valves	23,066	1,499,908	50,000	18	600,000	18	0	---	2,172,974
Regional Transmission System Master Plan	150	5,000	495,000	18	0	---	0	---	500,150

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 FY18 for construction for improvements and updating of Master Pump Station 450, located in the City of Lauderdale Lakes.
- Funding is provided in FY18 for the repair and replacement of miscellaneous equipment and station improvements at Master Pump Station 454.
- Funding is provided in FY18 for the repair and replacement of miscellaneous equipment station improvements of Master Pump Station 456.
- 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.
- 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 FY18 for the installation of 123 air relief valves in maintenance access structures with incidental restoration work for roadway, sidewalk, curb, and swale areas.
- Funding is provided in FY18 for a comprehensive evaluation of pipe condition to enable prioritization of pipe replacement and detect hidden vulnerabilities in the North Regional Wastewater System.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

<u>Funding Sources</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>TOTAL</u>
Water and Wastewater Revenues	9,293,810	1,800,000	500,000	7,500,000	500,000	19,593,810
TOTAL	9,293,810	1,800,000	500,000	7,500,000	500,000	19,593,810
 <u>Funding Requirements</u>						
Design	1,110,070	1,350,000	50,000	50,000	50,000	2,610,070
Construction	7,652,990	350,000	350,000	7,350,000	350,000	16,052,990
Other Capital Costs	530,750	100,000	100,000	100,000	100,000	930,750
TOTAL	9,293,810	1,800,000	500,000	7,500,000	500,000	19,593,810