

FY 2022 - 23 Adopted Budget and Multi-Year Capital Plan

Water and Sewer

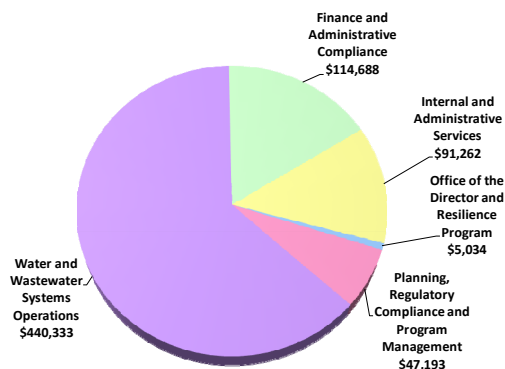
The Miami-Dade Water and Sewer Department (WASD) provides high-quality drinking water and wastewater services, safeguarding public health and the environment, while planning for future growth, implementing water conservation measures, and providing for process improvements and cost efficiencies.

As part of the Neighborhood and Infrastructure strategic area, the Department’s main functions are water production and distribution, as well as wastewater collection, treatment, reuse, and disposal. WASD operates both a water and a wastewater system. The Water System consists of three regional water treatment plants, one shared (City of Hialeah) reverse osmosis plant and five local water treatment plants with a total permitted capacity of 464 million gallons per day (MGD). Additionally, WASD operates and maintains 95 water supply wells (grouped into 14 wellfields) in the Biscayne Aquifer; five aquifer storage and recovery wells in the Floridan Aquifer and more than 8,500 miles of water distribution mains. The Wastewater System includes three regional wastewater treatment plants with a total permitted capacity of 376 MGD, more than 1,000 sewer pump stations and 6,500 miles of wastewater mains and lateral collection pipes. The Department implements water conservation measures, provides high quality drinking water and plans and improves infrastructure for future growth.

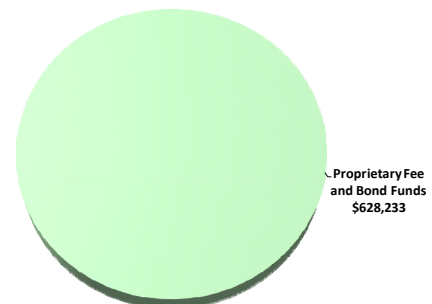
The Department delivers water and sewer services to most residents and businesses within Miami-Dade County, serving approximately 458,286 water and 373,681 wastewater retail customers as of September 30, 2022. Additionally, service is provided to 15 wholesale (municipal) water customers and to 13 wholesale (12 municipal and the Homestead Air Reserve Base) wastewater customers within Miami-Dade County on a daily basis. The total combined population served at the retail and wholesale level is approximately 2.4 million residents. In providing these services, the Department interacts with and is regulated by the United States Environmental Protection Agency, the Florida Department of Environmental Protection, the Miami-Dade County Health Department, the South Florida Water Management District and the Regulatory and Economic Resources Department (RER).

FY 2022-23 Adopted Operating Budget

Expenditures by Activity
(dollars in thousands)



Revenues by Source
(dollars in thousands)



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TABLE OF ORGANIZATION

	<p><u>OFFICE OF THE DIRECTOR AND RESILIENCE PROGRAM</u> Formulates and establishes departmental policy; directs overall operations; oversees the Resilience program</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 21-22</u></td> <td style="text-align: center;"><u>FY 22-23</u></td> </tr> <tr> <td style="text-align: center;">7</td> <td style="text-align: center;">18</td> </tr> </table>	<u>FY 21-22</u>	<u>FY 22-23</u>	7	18
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	<p><u>WATER AND WASTEWATER SYSTEMS OPERATIONS</u> Operates and maintains water and wastewater systems: treatment plants, transmission/distribution systems and pump stations</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 21-22</u></td> <td style="text-align: center;"><u>FY 22-23</u></td> </tr> <tr> <td style="text-align: center;">1,628</td> <td style="text-align: center;">1,676</td> </tr> </table>	<u>FY 21-22</u>	<u>FY 22-23</u>	1,628	1,676
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	<p><u>FINANCE AND ADMINISTRATIVE COMPLIANCE</u> Directs financial, budget, capital funding coordination and information technology functions; directs contractual compliance and procurement activities</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 21-22</u></td> <td style="text-align: center;"><u>FY 22-23</u></td> </tr> <tr> <td style="text-align: center;">311</td> <td style="text-align: center;">302</td> </tr> </table>	<u>FY 21-22</u>	<u>FY 22-23</u>	311	302
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	<p><u>PLANNING, REGULATORY COMPLIANCE AND PROGRAM MANAGEMENT</u> Directs water and wastewater design and construction activities for plants and pipelines; directs capital improvement programs, compliance with state and federal agreements and utilities development</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 21-22</u></td> <td style="text-align: center;"><u>FY 22-23</u></td> </tr> <tr> <td style="text-align: center;">349</td> <td style="text-align: center;">351</td> </tr> </table>	<u>FY 21-22</u>	<u>FY 22-23</u>	349	351
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	<p><u>INTERNAL AND ADMINISTRATIVE SERVICES</u> Directs legislative activities, municipal policies, personnel, customer service and public information dissemination, and fleet and security initiatives, and quality assurance</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 21-22</u></td> <td style="text-align: center;"><u>FY 22-23</u></td> </tr> <tr> <td style="text-align: center;">524</td> <td style="text-align: center;">557</td> </tr> </table>	<u>FY 21-22</u>	<u>FY 22-23</u>	524	557
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The FY 2022-23 total number of full-time equivalent positions is 2,904

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DIVISION: OFFICE OF THE DIRECTOR AND RESILIENCE PROGRAM

Formulates and establishes departmental policy; directs overall operations and legal support.

- Defines department policies and strategic goals
- Establishes overall vision and policy for the Department
- Maintains the Department's accreditation, incorporating performance excellence and best practices
- Sets performance targets and budget priorities
- Oversees resilience programs

Strategic Objectives - Measures

- NI2-1: Provide sustainable drinking water supply and wastewater disposal services

Objectives	Measures			FY 19-20	FY 20-21	FY 21-22	FY 21-22	FY 22-23
				Actual	Actual	Budget	Projection	Target
Ensure compliance with 20-year Water Use Permit with the South Florida Water Management District	Estimated gallons of water saved per day (GPD) through the Water Use Efficiency Plan (In thousands)*	EF	↑	142	247	260	260	260

*The FY 2019-20 Actual reflects the impacts of COVID-19

DIVISION COMMENTS



The FY 2022-23 Adopted Budget includes the addition of a Grants Specialist (\$90,000) to strengthen oversight of resilience initiatives and to increase grant opportunities for the Department

- As part of a reorganization performed in FY 2021-22 to put a focus on resilience implementation efforts, ten positions were transferred from the Planning, Regulatory Compliance, Program Management section to the Office of the Director
- The FY 2022-23 Adopted Budget includes a five percent increase to retail customers that is evenly applied to each tier including residential, multi-family, mixed-use buildings and non-residential
- Effective October 1, 2022, the wholesale water rate increased by \$0.0629, from \$1.8644 to \$1.9273 per thousand gallons; the wastewater wholesale rate increased by \$0.2681, from \$3.4741 to \$3.7422 per thousand gallons; wholesale customers' bills include a true-up credit adjustment to recover actual cost for FY 2020-21



In FY 2022-23, the Department will continue a program to reduce energy consumption encompassing facilities lighting and controls, operational equipment energy consumption, the implementation of the Energy Star Power plan and an employee awareness program, which includes an energy conservation website, newsletter and workshops

- The FY 2022-23 Adopted Budget includes a Memorandum of Understanding with the Office of the Inspector General to perform specialized audits as required (\$50,000) and payments to the Audit and Management Services Department for expenses associated with audits and reviews (\$500,000)

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DIVISION: WATER AND WASTEWATER SYSTEMS OPERATIONS

Operates and maintains the water and wastewater treatment plants; pump stations; and water distribution, wastewater collection and transmission lines.

- Administers the SCADA system, telemetry and radios
- Directs and oversees operation of the wastewater system including treatment and disposal as well as the maintenance of wastewater pumping and collection systems
- Directs and oversees operation of the water system including installations, repairs and maintenance of water infrastructure
- Directs the emergency communication center when activated
- Directs water and wastewater systems operating goals and procedures
- Installs, repairs, relocates, maintains and replaces wastewater gravity sewer lines, force mains, valves, sewer laterals and manholes countywide
- Installs, repairs, relocates, maintains and replaces water mains, meters, valves and fire lines countywide
- Manages the Water Cross Connection Control program
- Performs mechanical, electrical and structural maintenance of water and wastewater plants and wastewater lift stations
- Provides laboratory analysis to comply with regulatory agencies' requirements

Strategic Objectives - Measures

- NI2-1: Provide sustainable drinking water supply and wastewater disposal services

Objectives	Measures			FY 19-20	FY 20-21	FY 21-22	FY 21-22	FY 22-23
				Actual	Actual	Budget	Projection	Target
Ensure proper maintenance and operation of the sewage system	Percentage of pumps in service	EF	↑	99%	99%	99%	99%	99%
	Wastewater mainline valves exercised	OP	↔	6,240	6,372	6,000	6,000	6,000
Maintain high level of responsiveness to customer service requests	Average time to respond to sewage overflows (in minutes)*	EF	↓	45	31	45	45	45
Ensure compliance with 20-year Water Use Permit with South Florida	Percentage compliance with drinking water standards	OC	↑	100%	100%	100%	100%	100%

*The FY 2020-21 Actual reflects impacts associated with COVID-19

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DIVISION COMMENTS



The FY 2022-23 Adopted Budget includes the addition of 34 operational positions (\$300,000 funded for two pay periods) to properly staff wastewater operations and meter replacement activities, perform new sampling and lab testing, and support consent decree compliance; positions include a variety of trade positions (Pipefitters, Electricians, Sewer Inspectors, Mechanics, Semi-Skilled Laborers, etc.)

- The FY 2022-23 Adopted Budget includes the addition of an Administrative Officer 2 (\$78,000), an Operations Specialist (\$88,000) and a Plant Electrical Supervisor (\$97,000) to address increased workload associated with Supervisory Control and Data Acquisition (SCADA) for the water and sewer system
- The FY 2022-23 Adopted Budget includes the conversion of 13 part-time positions to full-time status (\$70,000); the positions include two Semi-Skilled Laborer, one Laboratory Technician, and ten Maintenance Repairers; it is anticipated that these conversions will increase productivity and decrease turnover in these positions
- As part of a reorganization performed in FY 2021-22, two positions were transferred to the Planning, Regulatory Compliance and Program Management Division to better align capital improvement oversight functions

DIVISION: FINANCE AND ADMINISTRATIVE COMPLIANCE

Directs financial, budget, capital funding coordination, procurement and information technology functions.

- Administers Controller's functions, general ledger, assets control and accounts payable; prepares retail, wholesale and special billings and collection
- Coordinates financial activities including debt administration, investments, grants and cash management
- Manages business process support for customer care and billing, enterprise resource planning financial and enterprise asset management software systems
- Manages information technology
- Manages departmental procurement and stores activities
- Manages the Department's operating and capital budgets
- Oversees contract compliance, provides strategic planning and directs performance improvement and efficiency savings programs

Strategic Objectives - Measures

- GG4-1: Provide sound financial and risk management

Objectives	Measures			FY 19-20	FY 20-21	FY 21-22	FY 21-22	FY 22-23
				Actual	Actual	Budget	Projection	Target
Ensure sound asset management and financial investment strategies	Bond rating evaluation by Fitch	OC	↑	A+	A+	A+	A+	A+
	Bond rating evaluation by Standard and Poor's	OC	↑	Aa-	Aa-	Aa-	Aa-	Aa-
	Bond rating evaluation by Moody's	OC	↑	Aa3	Aa3	Aa3	Aa3	Aa3

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DIVISION COMMENTS

- The FY 2022-23 Adopted Budget includes the addition of five positions (\$40,000 funded for two pay periods) to properly staff procurement and vendor payment functions; positions include Account Clerks, Utility Supply Specialist, Purchasing Specialist, and Accountant
- As part of a reorganization performed in FY 2021-22, the quality assurance and control functions comprised of 14 positions were transferred to the Internal and Administrative Services Division from the Finance and Administrative Compliance Division
- The FY 2022-23 Adopted Budget includes payments to the Finance Department for expenses associated with cash management services (\$9,000)
- After the FY 2021-22 annual audits are completed, the year-end combined fund balance is projected to be \$110.2 million in rate stabilization and general reserve funds; in FY 2022-23, these reserves are expected to remain the same as in FY 2021-22 and the Department is projecting a year-end fund balance of \$82.9 million in the operating budget as required for bond ordinances

DIVISION: PLANNING, REGULATORY COMPLIANCE AND PROGRAM MANAGEMENT
<p>Directs compliance with state and federal agreements related to the ocean outfall legislation and resilience programs.</p> <ul style="list-style-type: none">● Directs planning of water and wastewater facilities and infrastructure● Directs compliance with state and federal agreements related to the consent decree, ocean outfall legislation and resilience programs● Directs design and construction activities for both water and wastewater plants and pipelines● Directs resilience program including Water Use Efficiency and Water Loss Reduction programs● Oversees capital program management for programs such as the Consent Decree Program, Ocean Outfall Program, Pump Station Rehabilitation and other priority programs● Oversees compliance with environmental regulations and federal and state agreements● Processes applications for new water services, mains, pump stations and fire hydrant installations by private contractors

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Strategic Objectives - Measures								
<ul style="list-style-type: none"> NI2-1: Provide sustainable drinking water supply and wastewater disposal services 								
Objectives	Measures			FY 19-20	FY 20-21	FY 21-22	FY 21-22	FY 22-23
				Actual	Actual	Budget	Projection	Target
Ensure proper maintenance and operation of the sewage system	Percent compliance with 20-Year Water Use Permit (WUP) as scheduled	OC	↑	100%	100%	100%	100%	100%
	Percentage of Ocean Outfall Legislation projects on schedule*	OC	↑	100%	96%	100%	100%	100%
	Percentage of Consent Decree Wastewater projects on schedule	OC	↑	91%	85%	83%	83%	83%
Ensure compliance with Comprehensive Development of Master Plan	Percentage of Comprehensive Development Master Plan and Development Impact Committee comments provided in a timely manner	EF	↑	100%	100%	100%	100%	100%

*The FY 2020-21 Actual reflects impacts associated with COVID-19

DIVISION COMMENTS

- During FY 2021-22, 11 positions (\$875,000) were approved as overages to strengthen project management and the cadastral data framework; positions added include a Construction Supervisor 1, five Project Inspectors, four Cadastral Technicians and one Engineer 2
- The FY 2022-23 Adopted Budget includes the addition of two Capital Improvements Project Analyst positions (\$22,000 funded for two pay periods) to execute the Department's capital improvement program
- As part of a reorganization performed in FY 2021-22, 13 positions were transferred out of the Planning, Regulatory Compliance and Program Management Division with ten transferred to the Office of Director to strengthen the Resilience Program and three transferred to the Internal and Administrative Services Division to better align small business development functions
- As part of a reorganization performed in FY 2021-22, two positions were transferred into the Planning, Regulatory Compliance and Program Management Division from the Water and Wastewater System Operations Division to better align service delivery
- The FY 2022-23 Adopted Budget includes funding to the Parks, Recreation and Open Spaces (PROS) Department for Cooperative Extension's Florida Yards and Neighborhoods Program (\$285,000)

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DIVISION: INTERNAL AND ADMINISTRATIVE SERVICES

Directs public information dissemination, coordination of legislative and municipal policies, departmental security activities, and construction contracts as well as retail customer services, human resources and general maintenance services.

- Coordinates communications with media and customers
- Coordinates items submitted to the Board of County Commissioners
- Coordinates state and federal legislative actions and liaises with municipalities
- Directs department-wide security functions
- Manages retail customer services, human capital planning and general maintenance

Strategic Objectives - Measures

- NI2-1: Provide sustainable drinking water supply and wastewater disposal services

Objectives	Measures			FY 19-20	FY 20-21	FY 21-22	FY 21-22	FY 22-23
				Actual	Actual	Budget	Projection	Target
Provide information to customers in a timely manner	Average call wait time (in minutes)*	EF	↓	3.5	0.9	2.5	2.0	2.0
	Percentage of calls answered within two minutes (monthly)**	OC	↑	45%	83%	80%	70%	70%
Maintain high level of responsiveness to customer service requests	Percentage of non-emergency requests dispatched in less than three business days	OC	↑	91%	89%	99%	99%	99%
Training hours per employee	Training hours per employee*	OP	↔	17	7	13	16	24

*The FY 2020-21 Actual reflects impacts associated with COVID-19

**The FY 2019-20 Actual reflects impacts associated with COVID 19

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DIVISION COMMENTS

- During FY 2021-22, two positions (\$171,000) were approved as overages to oversee training functions within the Department; the positions include a W&S Employee Safety and Development Instructor as well as an Administrative Officer 2



The FY 2022-23 Adopted Budget includes the addition of 14 positions (\$92,000 funded for two pay periods) to provide public outreach, utility infrastructure aesthetics beautification and additional staff for the safety and communication center

- As part of a reorganization performed in FY 2021-22, 17 positions were transferred to the Internal and Administrative Services Division with 14 positions coming from the Finance and Administrative Compliance Division transferring quality assurance and control functions, and three positions coming from the Planning, Regulatory Compliance and Program Management Division transferring small business development functions
- The FY 2022-23 Adopted Budget includes a payment to the Community Action and Human Services Department for landscape maintenance by the Greater Miami Service Corps (\$100,000)
- The Department continues working on an outreach campaign that includes branding of the Department for community recognition and that will inform citizens on water and wastewater services and the Multi-Year Capital Improvements Plan
- The FY 2022-23 Adopted Budget includes a payment to the Human Resources Department for testing and validation services (\$47,000)

CAPITAL BUDGET HIGHLIGHTS AND OPERATIONAL IMPACTS

- In FY 2012-13, the Department negotiated a consent agreement with the Federal Environmental Protection Agency (EPA) to address regulatory violations resulting from failing wastewater infrastructure for approximately \$1.6 billion; the agreement was adopted by the Board of County Commissioners on May 21, 2013; on April 9, 2014, the U.S. District Court for the Southern District approved the Consent Decree, replacing and superseding the two existing Consent Decrees issued in the early-mid 1990s; all projects contained in the Consent Decree are currently included in the capital plan, but as projects advance, schedules for completion may need to be modified, with the approval of the EPA; increased debt requirements will lead to future rate adjustments



In FY 2022-23, the Department is continuing to increase its focus on its Inflow and Infiltration Program to reduce flows into the wastewater system from ground water and rain; this will result in a reduction of conveyed and treated flows at wastewater treatment plants resulting in capital and operational savings (total program cost \$167.088 million; \$14.865 million in FY 2022-23; capital program #9650201)



The Department's FY 2022-23 Adopted Budget and Multi-Year Capital Plan also addresses the continued implementation of various wastewater systems capital projects such as the Pump Station Improvement and Resilience Programs (total program cost \$338.202 million; \$34.591 million in FY 2022-23; capital program #2000000784), Ocean Outfalls Legislation Program (total program cost \$1.416 billion; \$74.073 million in FY 2022-23; capital program #962670), Consent Decree (total program cost \$1.469 billion; \$175.056 million; capital program #964120, #964440 and #968150), and South District Expansion (total program cost \$673.103 million; \$119.164 million in FY 2022-23; capital program #2000000580)



The Department's FY 2022-23 Adopted Budget and Multi-Year Capital Plan includes the continued implementation of various water system capital projects such as the Hialeah/Preston Water Treatment Plant (total program cost \$64.062 million; \$11.233 million in FY 2022-23; capital program #9650041), Alexander Orr Water Treatment Plant (total program cost \$129.167 million; \$9.562 million in FY 2022-23; capital program #9650031), Small Diameter Water Main Replacement Program (total program cost \$269.925 million; \$14.806 million in FY 2022-23; capital program #2000000072) and Water Distribution System (total program cost \$136.822 million; \$20.357 million in FY 2022-23; capital program #9653311)



The Department's FY 2022-23 Adopted Budget and Multi-Year Capital Plan is systematic and responsible in addressing regulatory requirements related to aging infrastructure such as pump stations, treatment plants and transmission lines and necessary upgrades; the capital plan addresses \$556.412 million in wastewater needs, \$208.326 million in water needs and BBC/GOB Water and Wastewater projects of \$18.438 million dollars

FY 2022 - 23 Adopted Budget and Multi-Year Capital Plan



The Department's FY 2022-23 Adopted Budget and Multi-Year Capital Plan includes projects that directly impact the resilience of the County's built and natural systems; this includes designing infrastructure that considers sea-level rise and storm surge for the life of the assets; the C51 Reservoir Alternate Water Supply project that will diversify water resources and benefit environmental and agricultural uses; investments to renew water plant infrastructure with the Water Reset Program; and investments to maximize the use of biogas from the wastewater treatment process to increase onsite energy production

- The Department's FY 2022-23 Adopted Budget and Multi-Year Capital Plan includes a countywide program to provide sanitary sewer service to residents with septic systems; compromised and failing septic systems can cause negative impacts on private properties, pose public health risks, and have long-lasting detrimental effects on our natural resources including Biscayne Bay; the Connect to Protect project encompasses the expansion of the sanitary sewer system to remove septic systems through the General Obligation Bond Commercial Corridors Septic-to-Sewer Project; installation of public sewer laterals; private side connections; and the Ojus Special Benefit Area project



The Department's FY 2022-23 Adopted Budget and Multi-Year Capital Plan includes the purchase of 199 vehicles (\$15.269 million) for the replacement of its aging fleet funded with lease purchase financing (\$11.417 million for heavy fleet, and \$3.852 for light fleet); the fleet replacement plan will provide operational savings to the Department in the long-term as it will reduce maintenance costs, fuel consumption and overtime as a result of addressing equipment failure; the County's fleet replacement plan is included under Non-Departmental capital program #2000000511

SELECTED ITEM HIGHLIGHTS AND DETAILS

Line-Item Highlights	(dollars in thousands)				
	Actual FY 19-20	Actual FY 20-21	Budget FY 21-22	Projection FY 21-22	Budget FY 22-23
Advertising	645	629	899	571	810
Fuel	5,634	7,742	3,100	7,556	8,938
Overtime	16,677	19,167	17,444	19,972	20,353
Rent	321	258	674	288	462
Security Services	11,402	12,448	13,100	12,712	12,896
Temporary Services	1,405	1,177	2,222	1,146	1,409
Travel and Registration	49	13	236	153	193
Utilities	40,776	44,529	51,776	48,315	52,941

ADOPTED FEE ADJUSTMENTS FOR SERVICES

Fee Adjustments	Current Fee FY 21-22	Adopted Fee FY 22-23	Dollar Impact FY 22-23
• Wastewater Retail Rate Adjustments	various	various	\$17,904,000
• Wastewater Wholesale Rate per one thousand gallons	\$3.4741	\$3.7422	\$1,434,000
• Water Retail Rate Adjustments	various	various	\$17,381,000
• Water Wholesale Rate per one thousand gallons	\$1.8644	\$1.9273	\$-1,523,000

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OPERATING FINANCIAL SUMMARY

(dollars in thousands)	Actual FY 19-20	Actual FY 20-21	Budget FY 21-22	Adopted FY 22-23
Revenue Summary				
Carryover	78,099	80,060	79,261	82,900
Miscellaneous Non-Operating	10,413	2,569	13,323	2,833
Other Revenues	23,758	20,158	29,342	25,219
Retail Wastewater	324,980	343,224	343,248	368,475
Retail Water	302,360	331,651	331,802	357,708
Transfer From Other Funds	0	0	9,018	0
Wholesale Wastewater	90,605	97,410	91,151	97,626
Wholesale Water	27,779	34,682	33,151	36,674
Total Revenues	857,994	909,754	930,296	971,435
Operating Expenditures Summary				
Salary	191,814	202,476	203,203	221,022
Fringe Benefits	98,220	68,467	88,264	94,575
Contractual Services	73,206	71,336	93,121	90,813
Other Operating	48,290	60,460	37,302	28,900
Charges for County Services	67,149	74,299	75,511	79,995
Capital	114,829	84,062	97,500	112,928
Total Operating Expenditures	593,508	561,100	594,901	628,233
Non-Operating Expenditures Summary				
Transfers	2,928	0	0	0
Distribution of Funds In Trust	0	0	0	0
Debt Service	226,304	233,378	252,495	257,319
Depreciation, Amortizations and Depletion	0	0	0	0
Reserve	0	0	82,900	85,883
Total Non-Operating Expenditures	229,232	233,378	335,395	343,202

(dollars in thousands)	Total Funding		Total Positions	
Expenditure By Program	Budget FY 21-22	Adopted FY 22-23	Budget FY 21-22	Adopted FY 22-23
Strategic Area: Neighborhood and Infrastructure				
Office of the Director and Resilience Program	2,072	5,034	7	18
Water and Wastewater Systems Operations	404,092	440,333	1,628	1,676
Finance and Administrative Compliance	52,965	44,411	311	302
Planning, Regulatory Compliance and Program Management	51,946	47,193	349	351
Internal and Administrative Services	83,826	91,262	524	557
Total Operating Expenditures	594,901	628,233	2,819	2,904

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CAPITAL BUDGET SUMMARY

(dollars in thousands)	PRIOR	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FUTURE	TOTAL
Revenue									
BBC GOB Financing	28,667	18,438	39,466	24,842	12,158	2,918	0	14,512	141,001
Fire Hydrant Fund	11,276	2,800	2,828	2,856	2,885	2,914	2,943	2,943	31,445
Future Subordinate Debt	0	0	0	1,951	95,112	165,817	202,680	162,688	628,248
Future WASD Revenue Bonds	0	146,718	368,211	399,077	356,039	315,313	261,493	605,856	2,452,706
Hialeah Reverse Osmosis Plant Construction Fund	8,024	190	0	0	0	0	0	0	8,214
Ojus Revenue Bond Sold	10,264	0	0	0	0	0	0	0	10,264
State Revolving Loan Wastewater Program	61,158	0	0	0	0	0	0	0	61,158
WASD Revenue Bonds Sold	1,558,593	0	0	0	0	0	0	0	1,558,593
WASD Subordinate Debt Sold	290,000	0	0	0	0	0	0	0	290,000
WIFIA Loan	67,118	5,099	129,459	300,210	317,213	190,012	54,248	22,009	1,085,368
Wastewater Connection Charges	101,027	50,446	9,759	20,380	15,152	15,000	17,000	7,000	235,764
Wastewater Renewal Fund	241,946	62,999	60,001	55,000	55,000	55,000	55,000	55,000	639,946
Wastewater Special Construction Fund	8,867	12,371	22,041	33,150	3,200	6,200	4,200	0	90,030
Water Connection Charges	28,761	26,663	2,486	2,486	2,486	1,504	0	0	64,385
Water Renewal and Replacement Fund	221,892	37,001	39,999	45,000	45,000	45,000	45,000	45,000	523,892
Water Special Construction Fund	12,187	200	200	200	200	200	200	0	13,387
Total:	2,649,780	362,925	674,450	885,151	904,445	799,879	642,764	915,008	7,834,401
Expenditures									
Strategic Area: NI									
GOB Water and Wastewater Projects	28,667	18,438	39,466	24,842	12,158	2,918	0	14,512	141,001
Wastewater Projects	1,716,882	556,412	648,380	684,402	696,352	595,918	446,883	478,764	5,823,993
Water Projects	306,799	208,326	155,766	177,608	197,635	202,742	197,581	422,952	1,869,408
Total:	2,052,347	783,176	843,612	886,851	906,145	801,579	644,464	916,227	7,834,401

FUNDED CAPITAL PROGRAMS

(dollars in thousands)

COMMERCIAL AND INDUSTRIAL CORRIDORS - EXTENSION OF SEWER SYSTEM

PROGRAM #: 967090



DESCRIPTION: Extend sewer service to developed commercial and industrial corridors in Miami-Dade County as per BCC Resolution R-537-14

LOCATION: Various Sites
Throughout Miami-Dade County

District Located: Countywide
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
BBC GOB Financing	28,667	13,438	34,466	19,842	12,158	2,918	0	14,512	126,001
TOTAL REVENUES:	28,667	13,438	34,466	19,842	12,158	2,918	0	14,512	126,001
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	24,367	11,124	29,296	16,866	10,434	2,481	0	12,335	106,902
Planning and Design	4,300	2,314	5,170	2,976	1,724	438	0	2,177	19,098
TOTAL EXPENDITURES:	28,667	13,438	34,466	19,842	12,158	2,918	0	14,512	126,001

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LIFT STATIONS - UPGRADES AND STRUCTURAL IMPROVEMENTS

PROGRAM #: 9650371



DESCRIPTION: Repair, replace and upgrade existing lift stations throughout the wastewater system
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	12,967	0	350	350	350	350	350	350	15,067
TOTAL REVENUES:	12,967	0	350	350	350	350	350	350	15,067
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	10,074	300	350	350	350	350	350	350	12,474
Land Acquisition/Improvements	908	0	0	0	0	0	0	0	908
Major Machinery and Equipment	389	0	0	0	0	0	0	0	389
Planning and Design	1,296	0	0	0	0	0	0	0	1,296
TOTAL EXPENDITURES:	12,667	300	350	350	350	350	350	350	15,067

PEAK FLOW MANAGEMENT - FACILITIES

PROGRAM #: 9653371



DESCRIPTION: Evaluate and construct alternatives for peak flow management facilities and associated infrastructure
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	800	2,500	3,630	1,500	1,500	1,500	6,761	18,191
WASD Revenue Bonds Sold	12,834	0	0	0	0	0	0	0	12,834
Wastewater Connection Charges	8,459	650	626	0	0	0	0	0	9,736
TOTAL REVENUES:	21,294	1,450	3,126	3,630	1,500	1,500	1,500	6,761	40,761
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	6,388	435	938	1,089	450	450	450	2,028	12,228
Land Acquisition/Improvements	8,335	536	1,450	1,960	810	810	810	3,651	18,362
Planning and Design	6,571	479	738	581	240	240	240	1,082	10,170
TOTAL EXPENDITURES:	21,294	1,450	3,126	3,630	1,500	1,500	1,500	6,761	40,761

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PEAK FLOW MANAGEMENT - FLOW REDUCTION PROGRAM (FRP)

PROGRAM #: 9650201



DESCRIPTION: Implement a Flow Reduction Program which is comprised of two main components: Inflow and Infiltration reduction and Pump Station Optimization by implementing real time controls at pump stations

LOCATION: Systemwide
 Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	6,950	16,166	16,165	14,065	11,964	11,965	32,493	109,769
WASD Revenue Bonds Sold	57,320	0	0	0	0	0	0	0	57,320
TOTAL REVENUES:	57,320	6,950	16,166	16,165	14,065	11,964	11,965	32,493	167,088
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	49,405	14,865	16,166	16,165	14,065	11,964	11,965	32,493	167,088
TOTAL EXPENDITURES:	49,405	14,865	16,166	16,165	14,065	11,964	11,965	32,493	167,088

PEAK FLOW MANAGEMENT - SOUTH DISTRICT EXPANSION

PROGRAM #: 200000580



DESCRIPTION: Redirect flows to regional plants and account for peak flows through 2035

LOCATION: Systemwide
 Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future Subordinate Debt	0	0	0	0	0	2,111	2,000	0	4,111
State Revolving Loan Wastewater Program	22,882	0	0	0	0	0	0	0	22,882
WASD Subordinate Debt Sold	148,372	0	0	0	0	0	0	0	148,372
WIFIA Loan	15,271	5,099	120,235	114,718	69,918	29,857	6,000	0	361,097
Wastewater Connection Charges	62,761	37,357	0	7,000	10,000	7,000	7,000	0	131,118
Wastewater Special Construction Fund	0	371	0	2,151	1,000	1,000	1,000	0	5,522
TOTAL REVENUES:	249,286	42,827	120,235	123,869	80,918	39,968	16,000	0	673,103
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	99,079	116,781	179,447	121,391	79,299	39,168	15,680	0	650,846
Planning and Design	10,996	2,383	3,662	2,478	1,618	799	320	0	22,257
TOTAL EXPENDITURES:	110,075	119,164	183,110	123,869	80,918	39,968	16,000	0	673,103

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PUMP STATIONS - GENERATORS AND MISCELLANEOUS UPGRADES

PROGRAM #: 9652002

DESCRIPTION: Install emergency generators and construct miscellaneous upgrades at various wastewater pump stations
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	3,936	8,193	7,156	5,261	3,738	0	0	28,284
WASD Revenue Bonds Sold	2,584	0	0	0	0	0	0	0	2,584
TOTAL REVENUES:	2,584	3,936	8,193	7,156	5,261	3,738	0	0	30,868
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	2,377	3,621	7,537	6,584	4,840	3,439	0	0	28,399
Planning and Design	207	315	655	572	421	299	0	0	2,470
TOTAL EXPENDITURES:	2,584	3,936	8,193	7,156	5,261	3,738	0	0	30,868

PUMP STATIONS - RESILIENCE PROGRAM (PSRP)

PROGRAM #: 200000784



DESCRIPTION: Implement a pump station resiliency program to improve pump stations systemwide
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	15,932	33,381	41,398	39,827	36,054	31,378	44,872	242,843
WASD Revenue Bonds Sold	87,263	0	0	0	0	0	0	0	87,263
Wastewater Connection Charges	4,948	0	2,000	1,000	0	0	0	0	7,948
Wastewater Renewal Fund	148	0	0	0	0	0	0	0	148
TOTAL REVENUES:	92,359	15,932	35,381	42,398	39,827	36,054	31,378	44,872	338,202
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	66,331	31,132	31,843	38,158	35,844	32,449	28,241	40,385	304,382
Land Acquisition/Improvements	748	346	354	424	398	361	314	449	3,393
Planning and Design	6,621	3,113	3,184	3,816	3,584	3,245	2,824	4,039	30,426
TOTAL EXPENDITURES:	73,700	34,591	35,381	42,398	39,827	36,054	31,378	44,872	338,202

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PUMP STATIONS - SEWER SYSTEMS CONSENT DECREE PROJECTS

PROGRAM #: 964440



DESCRIPTION: Design, construct and rehabilitate pump stations infrastructure systems to comply with the Federal EPA Consent Decree

LOCATION: Systemwide
Throughout Miami-Dade County

District Located: Countywide
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	1,190	1,046	0	0	0	0	0	2,236
WASD Revenue Bonds Sold	91,776	0	0	0	0	0	0	0	91,776
Wastewater Connection Charges	22	1,428	1	0	0	0	0	0	1,451
TOTAL REVENUES:	91,797	2,618	1,047	0	0	0	0	0	95,462
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	87,208	2,488	994	0	0	0	0	0	90,690
Planning and Design	4,590	130	52	0	0	0	0	0	4,772
TOTAL EXPENDITURES:	91,797	2,618	1,047	0	0	0	0	0	95,462

SANITARY SEWER SYSTEM - EXTENSION

PROGRAM #: 9653281



DESCRIPTION: Extend sewer system lines to include the existing sanitary sewer needs assessment

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	34,875	11,991	7,844	5,000	5,000	5,000	5,000	5,000	79,710
TOTAL REVENUES:	34,875	11,991	7,844	5,000	5,000	5,000	5,000	5,000	79,710
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	29,774	10,912	9,100	4,550	4,550	4,550	4,550	4,550	72,536
Planning and Design	2,945	1,079	900	450	450	450	450	450	7,174
TOTAL EXPENDITURES:	32,719	11,991	10,000	5,000	5,000	5,000	5,000	5,000	79,710

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SANITARY SEWER SYSTEM - IMPROVEMENTS

PROGRAM #: 9650221



DESCRIPTION: Provide sanitary sewer system improvements funded from the special construction fund including special taxing districts

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Special Construction Fund	500	175	200	200	200	200	200	0	1,675
TOTAL REVENUES:	500	175	200	200	200	200	200	0	1,675
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	500	175	200	200	200	200	200	0	1,675
TOTAL EXPENDITURES:	500	175	200	200	200	200	200	0	1,675

WASTEWATER - CENTRAL MIAMI-DADE TRANSMISSION MAINS AND PUMP STATION IMPROVEMENTS

PROGRAM #: 9650241



DESCRIPTION: Provide septic to sewer; install 36/42 inch wastewater force mains on or around Biscayne Bay, Biscayne Basin projects and provide various other size wastewater gravity or force mains and pump stations needs in the area of the Central Transmission area as needed

LOCATION: Wastewater System - Central District Area
City of Miami

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	9,000	7,500	13,500	15,475	17,475	19,500	6,800	89,250
WASD Revenue Bonds Sold	21,131	0	0	0	0	0	0	0	21,131
Wastewater Connection Charges	1,095	0	0	0	0	0	0	0	1,095
TOTAL REVENUES:	22,226	9,000	7,500	13,500	15,475	17,475	19,500	6,800	111,476
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	21,782	8,820	7,350	13,230	15,166	17,126	19,110	6,664	109,247
Planning and Design	445	180	150	270	310	350	390	136	2,230
TOTAL EXPENDITURES:	22,226	9,000	7,500	13,500	15,475	17,475	19,500	6,800	111,476

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WASTEWATER - COLLECTION AND TRANSMISSION LINES CONSENT DECREE PROJECTS

PROGRAM #: 968150



DESCRIPTION: Design, construct and rehabilitate collection and transmission infrastructure lines to comply with the Federal EPA Consent Decree

LOCATION: Various Sites
Throughout Miami-Dade County

District Located: Countywide
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	1,208	1,790	0	0	0	0	0	2,998
WASD Revenue Bonds Sold	34,503	0	0	0	0	0	0	0	34,503
TOTAL REVENUES:	34,503	1,208	1,790	0	0	0	0	0	37,502
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	34,158	1,196	1,773	0	0	0	0	0	37,127
Planning and Design	345	12	18	0	0	0	0	0	375
TOTAL EXPENDITURES:	34,503	1,208	1,790	0	0	0	0	0	37,502

WASTEWATER - EQUIPMENT

PROGRAM #: 9650301

DESCRIPTION: Acquire equipment and associated wastewater system capital support materials as needed

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	54,262	9,437	6,300	9,000	9,000	9,000	9,000	9,000	115,000
TOTAL REVENUES:	54,262	9,437	6,300	9,000	9,000	9,000	9,000	9,000	115,000
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Furniture Fixtures and Equipment	35,105	13,387	21,508	9,000	9,000	9,000	9,000	9,000	115,000
TOTAL EXPENDITURES:	35,105	13,387	21,508	9,000	9,000	9,000	9,000	9,000	115,000

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WASTEWATER - NORTH MIAMI-DADE TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS

PROGRAM #: 9652101



DESCRIPTION: Provide infrastructure improvements to pump stations to increase system flexibility, including improvements to wastewater force main (FM) near Intercoastal Waterway; transmission main projects include Lehman Causeway, Snake Creek and Aventura; and other size sewer FM replacement projects in the North Miami Dade Transmission area

LOCATION: Wastewater System - North District Area District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	9,252	37,237	42,041	40,334	28,557	10,907	0	168,328
Ojus Revenue Bond Sold	10,264	0	0	0	0	0	0	0	10,264
WASD Revenue Bonds Sold	33,081	0	0	0	0	0	0	0	33,081
Wastewater Connection Charges	6,686	2,547	1,995	0	0	0	0	0	11,228
Wastewater Renewal Fund	895	0	0	0	0	0	0	0	895
TOTAL REVENUES:	50,925	11,799	39,232	42,041	40,334	28,557	10,907	0	223,795
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	30,546	21,653	40,608	39,939	38,317	27,129	10,362	0	208,554
Planning and Design	5,871	1,141	2,137	2,102	2,017	1,428	545	0	15,241
TOTAL EXPENDITURES:	36,417	22,794	42,746	42,041	40,334	28,557	10,907	0	223,795

WASTEWATER - OUTFALL LEGISLATION

PROGRAM #: 962670



DESCRIPTION: Eliminate outfall flows to the ocean

LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future Subordinate Debt	0	0	0	1,951	95,112	88,557	107,613	111,287	404,521
Future WASD Revenue Bonds	0	0	8,417	11,318	27,695	9,017	3,636	2,491	62,574
State Revolving Loan Wastewater Program	38,276	0	0	0	0	0	0	0	38,276
WASD Revenue Bonds Sold	28,778	0	0	0	0	0	0	0	28,778
WASD Subordinate Debt Sold	140,035	0	0	0	0	0	0	0	140,035
WIFIA Loan	51,845	0	5,880	164,071	189,660	119,309	48,248	22,009	601,023
Wastewater Connection Charges	8,649	2,125	3,137	12,380	5,152	8,000	10,000	7,000	56,443
Wastewater Renewal Fund	5,630	0	0	0	0	0	0	0	5,630
Wastewater Special Construction Fund	4,641	11,825	21,841	30,799	2,000	5,000	3,000	0	79,106
TOTAL REVENUES:	277,854	13,950	39,275	220,520	319,620	229,883	172,497	142,787	1,416,386
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	151,740	70,370	92,416	209,494	303,639	218,389	163,872	135,648	1,345,568
Land Acquisition/Improvements	1,659	769	1,010	2,290	3,319	2,387	1,792	1,483	14,710
Planning and Design	6,327	2,934	3,854	8,736	12,661	9,107	6,833	5,656	56,108
TOTAL EXPENDITURES:	159,726	74,073	97,280	220,520	319,620	229,883	172,497	142,787	1,416,386

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WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS

PROGRAM #: 968750



DESCRIPTION: Replace and/or install new wastewater pipelines in areas requiring service improvements
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	5,917	3,000	3,000	3,000	3,000	3,000	3,000	3,000	26,917
TOTAL REVENUES:	5,917	3,000	3,000	3,000	3,000	3,000	3,000	3,000	26,917
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	5,325	2,700	2,700	2,700	2,700	2,700	2,700	2,700	24,225
Major Machinery and Equipment	296	150	150	150	150	150	150	150	1,346
Planning and Design	296	150	150	150	150	150	150	150	1,346
TOTAL EXPENDITURES:	5,917	3,000	3,000	3,000	3,000	3,000	3,000	3,000	26,917

WASTEWATER - REGIONAL GENERAL MAINTENANCE AND OFFICE FACILITIES

PROGRAM #: 9653201

DESCRIPTION: Construct and/or renovate various regional general maintenance centers, office facilities and storage warehouses
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	723	984	3,638	10,149	19,494	100,408	135,396
WASD Revenue Bonds Sold	588	0	0	0	0	0	0	0	588
TOTAL REVENUES:	588	0	723	984	3,638	10,149	19,494	100,408	135,985
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	541	0	665	905	3,346	9,336	17,931	92,375	125,099
Planning and Design	47	0	58	79	292	814	1,563	8,033	10,886
TOTAL EXPENDITURES:	588	0	723	984	3,638	10,149	19,494	100,408	135,985

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WASTEWATER - SOUTH DISTRICT TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS

PROGRAM #: 9651061



DESCRIPTION: Provide piping improvements to pump station number 536 and force main upgrade in SW 117 Ave
 LOCATION: Wastewater System - South District Area District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	750	1,200	3,500	5,000	5,000	2,521	2,550	20,521
TOTAL REVENUES:	0	750	1,200	3,500	5,000	5,000	2,521	2,550	20,521
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	0	675	1,080	3,150	4,500	4,500	2,269	2,295	18,469
Land Acquisition/Improvements	0	15	24	70	100	100	50	51	410
Planning and Design	0	60	96	280	400	400	202	204	1,642
TOTAL EXPENDITURES:	0	750	1,200	3,500	5,000	5,000	2,521	2,550	20,521

WASTEWATER - SYSTEM MAINTENANCE AND UPGRADES

PROGRAM #: 9650361

DESCRIPTION: Maintain and develop existing wastewater system facilities, structures and equipment
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	58,671	23,817	22,156	20,000	20,000	20,000	20,000	20,000	204,644
TOTAL REVENUES:	58,671	23,817	22,156	20,000	20,000	20,000	20,000	20,000	204,644
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	20,046	7,176	4,587	3,000	3,000	3,000	3,000	3,000	46,809
Major Machinery and Equipment	25,781	28,704	18,349	17,000	17,000	17,000	17,000	17,000	157,835
TOTAL EXPENDITURES:	45,827	35,880	22,937	20,000	20,000	20,000	20,000	20,000	204,644

WASTEWATER - TELEMETERING SYSTEM

PROGRAM #: 9652481



DESCRIPTION: Install computer system to monitor and control wastewater flows and pressures at various pump stations
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	2,766	0	0	500	500	500	500	500	5,266
TOTAL REVENUES:	2,766	0	0	500	500	500	500	500	5,266
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	890	351	1,470	490	490	490	490	490	5,161
Planning and Design	18	7	30	10	10	10	10	10	105
TOTAL EXPENDITURES:	908	358	1,500	500	500	500	500	500	5,266

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WASTEWATER TREATMENT PLANT - CENTRAL DISTRICT UPGRADES

PROGRAM #: 9653421



DESCRIPTION: Construct digester improvements, digested sludge holding tanks and electrical improvements; complete outfall rehabilitation; install a new gas pipeline and a new flushing water line; construct a sludge handling facility and provide various plant upgrades as necessary and rehabilitation to include pump stations 1 and 2

LOCATION: Virginia Key District Located: 7
 City of Miami District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future Subordinate Debt	0	0	0	0	0	25,320	68,067	44,071	137,458
Future WASD Revenue Bonds	0	4,186	12,388	11,996	5,442	4,000	3,986	6,514	48,512
WASD Revenue Bonds Sold	4,572	0	0	0	0	0	0	0	4,572
WIFIA Loan	0	0	0	931	18,602	39,872	0	0	59,405
Wastewater Connection Charges	157	0	0	0	0	0	0	0	157
Wastewater Renewal Fund	336	0	0	0	0	0	0	0	336
TOTAL REVENUES:	5,066	4,186	12,388	12,927	24,044	69,192	72,053	50,585	250,441
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	4,706	3,889	11,509	12,011	22,339	64,286	66,944	46,998	232,682
Planning and Design	359	297	878	917	1,705	4,906	5,109	3,587	17,759
TOTAL EXPENDITURES:	5,066	4,186	12,388	12,927	24,044	69,192	72,053	50,585	250,441

WASTEWATER TREATMENT PLANT - NORTH DISTRICT UPGRADES

PROGRAM #: 9653411



DESCRIPTION: Construct a chlorine improvement process, replace sluice gates in the pre-treatment bar screen room and provide various plant upgrades and rehabilitation as necessary

LOCATION: 2575 NE 151 St District Located: 4
 North Miami District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future Subordinate Debt	0	0	0	0	0	49,828	25,000	7,329	82,158
Future WASD Revenue Bonds	0	3,278	18,813	18,096	10,500	9,500	1,000	0	61,187
WASD Revenue Bonds Sold	104	0	0	0	0	0	0	0	104
WASD Subordinate Debt Sold	1,593	0	0	0	0	0	0	0	1,593
WIFIA Loan	2	0	3,344	20,489	39,033	975	0	0	63,843
Wastewater Renewal Fund	1,046	0	0	0	0	0	0	0	1,046
TOTAL REVENUES:	2,745	3,278	22,157	38,585	49,533	60,303	26,000	7,329	209,931
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	1,135	3,905	21,142	36,818	47,264	57,540	24,809	6,994	199,606
Planning and Design	796	187	1,015	1,768	2,269	2,763	1,191	336	10,324
TOTAL EXPENDITURES:	1,931	4,092	22,157	38,585	49,533	60,303	26,000	7,329	209,931

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WASTEWATER TREATMENT PLANT - SOUTH DISTRICT EXPANSION (PHASE 3)

PROGRAM #: 9655481



DESCRIPTION: Install emergency generators and expand the South District Wastewater Plant and injection wells
 LOCATION: 8950 SW 232 St District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,250	5,527	1,500	1,500	2,500	2,000	0	15,277
WASD Revenue Bonds Sold	3,045	0	0	0	0	0	0	0	3,045
Wastewater Renewal Fund	725	0	0	0	0	0	0	0	725
TOTAL REVENUES:	3,770	2,250	5,527	1,500	1,500	2,500	2,000	0	19,047
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	3,770	2,250	5,527	1,500	1,500	2,500	2,000	0	19,047
TOTAL EXPENDITURES:	3,770	2,250	5,527	1,500	1,500	2,500	2,000	0	19,047

WASTEWATER TREATMENT PLANT - SOUTH DISTRICT UPGRADES

PROGRAM #: 9653401



DESCRIPTION: Provide plant process infrastructure improvements to include injection and monitoring wells, installation of emergency generators, acquiring a land buffer, construction of a landfill gas pipeline, installation of co-generation units and construction of sludge handling facilities
 LOCATION: 8950 SW 232 St District Located: 8
 Unincorporated Miami-Dade County District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	4,704	14,437	19,060	8,515	3,837	5,500	29,178	85,231
WASD Revenue Bonds Sold	2,218	0	0	0	0	0	0	0	2,218
TOTAL REVENUES:	2,218	4,704	14,437	19,060	8,515	3,837	5,500	29,178	87,449
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	2,062	4,373	13,421	17,719	7,916	3,567	5,113	27,124	81,295
Planning and Design	156	331	1,016	1,341	599	270	387	2,053	6,154
TOTAL EXPENDITURES:	2,218	4,704	14,437	19,060	8,515	3,837	5,500	29,178	87,449

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WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS

PROGRAM #: 964120



DESCRIPTION: Design, construct and rehabilitate infrastructure improvements at wastewater treatment plants to comply with the Federal Environmental Protection Agency (EPA) Consent Decree

LOCATION: Various Sites District Located: Countywide
Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	29,183	112,261	83,367	31,923	20,597	367	0	277,698
WASD Revenue Bonds Sold	1,030,481	0	0	0	0	0	0	0	1,030,481
Wastewater Connection Charges	8,250	6,339	2,000	0	0	0	0	0	16,589
Wastewater Renewal Fund	11,243	0	0	0	0	0	0	0	11,243
TOTAL REVENUES:	1,049,974	35,522	114,261	83,367	31,923	20,597	367	0	1,336,010
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	868,470	162,655	108,537	79,198	30,327	19,565	349	0	1,269,102
Planning and Design	45,795	8,575	5,723	4,168	1,596	1,032	18	0	66,908
TOTAL EXPENDITURES:	914,266	171,230	114,261	83,367	31,923	20,597	367	0	1,336,010

WASTEWATER TREATMENT PLANTS - MISCELLANEOUS UPGRADES

PROGRAM #: 9652061



DESCRIPTION: Upgrade wastewater treatment plants to meet regulatory requirements

LOCATION: Wastewater Treatment Plants District Located: Systemwide
Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,160	0	0	0	0	0	0	2,160
WASD Revenue Bonds Sold	2,482	0	0	0	0	0	0	0	2,482
TOTAL REVENUES:	2,482	2,160	0	0	0	0	0	0	4,642
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	2,333	2,030	0	0	0	0	0	0	4,363
Planning and Design	149	130	0	0	0	0	0	0	279
TOTAL EXPENDITURES:	2,482	2,160	0	0	0	0	0	0	4,642

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WASTEWATER TREATMENT PLANTS - REPLACEMENT AND RENOVATION

PROGRAM #: 9653261



DESCRIPTION: Renovate and replace wastewater treatment plant facilities and structures within plant sites
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Wastewater Renewal Fund	52,465	14,754	20,351	17,150	17,150	17,150	17,150	17,150	173,320
Wastewater Special Construction Fund	3,727	0	0	0	0	0	0	0	3,727
TOTAL REVENUES:	56,192	14,754	20,351	17,150	17,150	17,150	17,150	17,150	177,046
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	48,633	17,338	20,761	16,275	16,275	16,275	16,275	16,275	168,107
Major Machinery and Equipment	512	183	219	175	175	175	175	175	1,788
Planning and Design	2,048	729	874	700	700	700	700	700	7,151
TOTAL EXPENDITURES:	51,192	18,250	21,854	17,150	17,150	17,150	17,150	17,150	177,046

WASTEWATER - INFRASTRUCTURE IMPROVEMENTS

PROGRAM #: 2000001494



DESCRIPTION: Replace, upgrade and expand existing wastewater infrastructure throughout the wastewater system, to include force mains, injection wells, pump stations, electrical systems and plant treatment processes
 LOCATION: Various Sites District Located: Countywide
 Various Sites District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
BBC GOB Financing	0	5,000	5,000	5,000	0	0	0	0	15,000
TOTAL REVENUES:	0	5,000	5,000	5,000	0	0	0	0	15,000
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	0	5,000	5,000	5,000	0	0	0	0	15,000
TOTAL EXPENDITURES:	0	5,000	5,000	5,000	0	0	0	0	15,000

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WATER - CENTRAL MIAMI-DADE TRANSMISSION MAINS IMPROVEMENTS

PROGRAM #: 9654041

DESCRIPTION: Replace various low-pressure water mains and install a 20-inch water main at railroad crossings via microtunneling method

LOCATION: Central Miami-Dade County Area
City of Miami

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	700	1,000	4,220	4,252	0	0	0	10,172
WASD Revenue Bonds Sold	254	0	0	0	0	0	0	0	254
Water Renewal and Replacement Fund	285	0	0	0	0	0	0	0	285
TOTAL REVENUES:	539	700	1,000	4,220	4,252	0	0	0	10,711
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	512	665	951	4,011	4,041	0	0	0	10,180
Planning and Design	27	35	49	209	211	0	0	0	531
TOTAL EXPENDITURES:	539	700	1,000	4,220	4,252	0	0	0	10,711

WATER - DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS

PROGRAM #: 9653311



DESCRIPTION: Install various water mains throughout the distribution system

LOCATION: Systemwide
Various Sites

District Located:
District(s) Served:

Systemwide
Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Fire Hydrant Fund	7,038	0	0	0	0	0	0	0	7,038
Future WASD Revenue Bonds	0	200	2,162	2,000	500	0	0	0	4,862
Water Renewal and Replacement Fund	47,665	0	8,989	11,500	11,500	11,500	11,500	11,500	114,154
Water Special Construction Fund	10,768	0	0	0	0	0	0	0	10,768
TOTAL REVENUES:	65,471	200	11,151	13,500	12,000	11,500	11,500	11,500	136,822
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	35,740	19,823	12,205	14,562	13,106	12,621	12,621	12,136	132,813
Planning and Design	1,073	534	447	438	394	379	379	364	4,009
TOTAL EXPENDITURES:	36,814	20,357	12,652	15,000	13,500	13,000	13,000	12,500	136,822

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WATER - EQUIPMENT

PROGRAM #: 9650141

DESCRIPTION: Acquire equipment and associated water system capital support materials
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	750	1,000	1,500	2,000	6,500	10,000	176,750	198,500
WASD Revenue Bonds Sold	1,500	0	0	0	0	0	0	0	1,500
Water Renewal and Replacement Fund	45,012	0	8,000	8,000	8,000	8,000	8,000	8,000	93,012
TOTAL REVENUES:	46,512	750	9,000	9,500	10,000	14,500	18,000	184,750	293,012
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Furniture Fixtures and Equipment	27,393	10,368	18,500	9,500	10,000	14,500	18,000	184,750	293,012
TOTAL EXPENDITURES:	27,393	10,368	18,500	9,500	10,000	14,500	18,000	184,750	293,012

WATER - FIRE HYDRANT INSTALLATION

PROGRAM #: 9653461

DESCRIPTION: Install fire hydrants and construct related system infrastructure improvements
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Fire Hydrant Fund	2,716	2,800	2,828	2,856	2,885	2,914	2,943	2,943	22,885
TOTAL REVENUES:	2,716	2,800	2,828	2,856	2,885	2,914	2,943	2,943	22,885
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	490	2,500	2,528	2,556	2,585	2,614	2,643	2,643	18,559
Planning and Design	2,226	300	300	300	300	300	300	300	4,326
TOTAL EXPENDITURES:	2,716	2,800	2,828	2,856	2,885	2,914	2,943	2,943	22,885

WATER - MAIN EXTENSIONS

PROGRAM #: 9651051

DESCRIPTION: Construct water main extensions funded from the special construction fund including special taxing districts
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Water Special Construction Fund	1,264	200	200	200	200	200	200	0	2,464
TOTAL REVENUES:	1,264	200	200	200	200	200	200	0	2,464
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	1,138	180	180	180	180	180	180	0	2,218
Planning and Design	126	20	20	20	20	20	20	0	246
TOTAL EXPENDITURES:	1,264	200	200	200	200	200	200	0	2,464

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WATER - NORTH MIAMI-DADE TRANSMISSION MAIN IMPROVEMENTS

PROGRAM #: 9654031



DESCRIPTION: Construct capacity improvements to the 20-inch water mains in and around Biscayne Bay and the Port of Miami areas; construct water main improvements to the 54 inch pipe along Red Road, replacement of 8,12,16-inch water mains in Aventura and construct other improvements along the North Miami transmission mains improvement area

LOCATION: North Miami-Dade County Area District Located: Systemwide
 North Miami District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	7,063	6,824	8,200	9,500	7,500	5,500	0	44,588
WASD Revenue Bonds Sold	6,899	0	0	0	0	0	0	0	6,899
Water Connection Charges	23,710	298	0	0	0	0	0	0	24,008
Water Renewal and Replacement	394	0	0	0	0	0	0	0	394
Fund									
TOTAL REVENUES:	31,002	7,361	6,824	8,200	9,500	7,500	5,500	0	75,888
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	29,763	7,068	6,551	7,873	9,120	7,200	5,280	0	72,856
Planning and Design	1,239	293	273	328	380	300	220	0	3,032
TOTAL EXPENDITURES:	31,002	7,361	6,824	8,200	9,500	7,500	5,500	0	75,888

WATER - PIPES AND INFRASTRUCTURE PROJECTS

PROGRAM #: 967190



DESCRIPTION: Replace pipes and provide various infrastructure improvements

LOCATION: Countywide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	4,700	1,066	0	0	0	0	0	5,766
WASD Revenue Bonds Sold	19,718	0	0	0	0	0	0	0	19,718
Water Renewal and Replacement	19,544	0	5,000	3,000	3,000	3,000	3,000	3,000	39,544
Fund									
Water Special Construction Fund	155	0	0	0	0	0	0	0	155
TOTAL REVENUES:	39,418	4,700	6,066	3,000	3,000	3,000	3,000	3,000	65,184
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	35,689	7,546	5,945	2,940	2,940	2,940	2,940	2,940	63,879
Planning and Design	729	154	121	60	60	60	60	60	1,305
TOTAL EXPENDITURES:	36,418	7,700	6,066	3,000	3,000	3,000	3,000	3,000	65,184

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WATER - REGIONAL GENERAL MAINTENANCE AND OFFICE FACILITIES

PROGRAM #: 9650271

DESCRIPTION: Construct regional general maintenance centers, office facilities and storage warehouses
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	0	723	984	3,638	10,149	19,494	34,754	69,743
WASD Revenue Bonds Sold	396	0	0	0	0	0	0	0	396
TOTAL REVENUES:	396	0	723	984	3,638	10,149	19,494	34,754	70,139
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	357	0	651	885	3,274	9,134	17,545	31,279	63,125
Planning and Design	40	0	72	98	364	1,015	1,949	3,475	7,014
TOTAL EXPENDITURES:	396	0	723	984	3,638	10,149	19,494	34,754	70,139

WATER - SAFE DRINKING WATER ACT MODIFICATIONS

PROGRAM #: 9654061



DESCRIPTION: Modify water treatment to comply with Surface Water Treatment and Disinfectant/Disinfection By Product (D-DBP) regulations
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,572	10,891	12,403	13,466	16,545	7,000	5,000	67,877
WASD Revenue Bonds Sold	46,094	0	0	0	0	0	0	0	46,094
Water Connection Charges	386	24,178	179	178	178	0	0	0	25,099
Water Renewal and Replacement	3,800	5,000	0	0	0	0	0	0	8,800
Fund									
TOTAL REVENUES:	50,279	31,750	11,070	12,582	13,644	16,545	7,000	5,000	147,869
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	9,456	65,610	10,184	11,575	12,552	15,221	6,440	4,600	135,639
Planning and Design	822	6,140	886	1,007	1,092	1,324	560	400	12,230
TOTAL EXPENDITURES:	10,279	71,750	11,070	12,582	13,644	16,545	7,000	5,000	147,869

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WATER - SMALL DIAMETER WATER MAINS REPLACEMENT PROGRAM

PROGRAM #: 200000072



DESCRIPTION: Design, construct and replace undersized water mains to improve fire flows, pressure to homes and quality of water

LOCATION: Systemwide District Located: Countywide
 Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	13,302	16,604	16,996	19,996	20,596	33,625	109,445	230,564
WASD Revenue Bonds Sold	29,011	0	0	0	0	0	0	0	29,011
Water Connection Charges	2,536	1,504	1,504	1,504	1,504	1,504	0	0	10,055
Water Renewal and Replacement	295	0	0	0	0	0	0	0	295
Fund									
TOTAL REVENUES:	31,842	14,806	18,108	18,500	21,500	22,100	33,625	109,445	269,925
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	30,268	14,075	17,213	17,586	20,438	21,008	31,963	104,037	256,588
Planning and Design	1,573	731	895	914	1,062	1,092	1,661	5,408	13,337
TOTAL EXPENDITURES:	31,842	14,806	18,108	18,500	21,500	22,100	33,625	109,445	269,925

WATER - SOUTH MIAMI-DADE TRANSMISSION MAINS IMPROVEMENTS

PROGRAM #: 9650021



DESCRIPTION: Construct various water transmission mains to service the south Miami-Dade County area after the new South Miami Heights water treatment plant is in service

LOCATION: South Miami-Dade County District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	530	3,735	149	450	0	0	0	4,863
WASD Revenue Bonds Sold	300	0	0	0	0	0	0	0	300
TOTAL REVENUES:	300	530	3,735	149	450	0	0	0	5,163
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	270	476	3,361	134	405	0	0	0	4,646
Planning and Design	30	54	374	15	45	0	0	0	517
TOTAL EXPENDITURES:	300	530	3,735	149	450	0	0	0	5,163

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WATER - SYSTEM MAINTENANCE AND UPGRADES

PROGRAM #: 9650181

DESCRIPTION: Develop and maintain existing water system facilities, structures and equipment
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Water Renewal and Replacement Fund	58,632	21,412	13,000	15,000	15,000	15,000	15,000	15,000	168,044
TOTAL REVENUES:	58,632	21,412	13,000	15,000	15,000	15,000	15,000	15,000	168,044
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	38,116	30,724	16,169	14,400	14,400	14,400	14,400	14,400	157,009
Planning and Design	1,588	5,947	500	600	600	600	600	600	11,035
TOTAL EXPENDITURES:	39,704	36,671	16,669	15,000	15,000	15,000	15,000	15,000	168,044

WATER - TELEMETERING SYSTEM ENHANCEMENTS

PROGRAM #: 9656780

DESCRIPTION: Acquire and install a centralized computer system at water treatment plants and wellfields
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Water Renewal and Replacement Fund	2,084	0	1,000	500	500	500	500	500	5,584
TOTAL REVENUES:	2,084	0	1,000	500	500	500	500	500	5,584
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	694	110	615	230	230	230	230	230	2,569
Major Machinery and Equipment	815	129	722	270	270	270	270	270	3,015
TOTAL EXPENDITURES:	1,509	239	1,336	500	500	500	500	500	5,584

WATER RESET PROGRAM

PROGRAM #: 200002314



DESCRIPTION: Increase the sustainability and resilience of the water system by addressing critical infrastructure needs
 LOCATION: Countywide District Located: Countywide
 Throughout Miami-Dade County District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,000	18,000	60,000	80,000	80,000	60,000	0	300,000
TOTAL REVENUES:	0	2,000	18,000	60,000	80,000	80,000	60,000	0	300,000
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	0	0	17,100	57,000	76,000	76,000	57,000	0	283,100
Planning and Design	0	2,000	900	3,000	4,000	4,000	3,000	0	16,900
TOTAL EXPENDITURES:	0	2,000	18,000	60,000	80,000	80,000	60,000	0	300,000

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WATER TREATMENT PLANT - ALEXANDER ORR, JR. EXPANSION

PROGRAM #: 9650031



DESCRIPTION: Construct high service pumps and a 48-inch finished water line, install a new generator and construct chlorine facilities

LOCATION: 6800 SW 87 Ave
Unincorporated Miami-Dade County

District Located: 7
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	9,562	11,374	11,593	6,566	7,633	12,119	47,841	106,688
WASD Revenue Bonds Sold	21,432	0	0	0	0	0	0	0	21,432
Water Renewal and Replacement	1,048	0	0	0	0	0	0	0	1,048
Fund									
TOTAL REVENUES:	22,480	9,562	11,374	11,593	6,566	7,633	12,119	47,841	129,167
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	21,351	9,082	10,803	11,011	6,237	7,250	11,511	45,440	122,684
Planning and Design	1,128	480	571	582	330	383	608	2,401	6,483
TOTAL EXPENDITURES:	22,480	9,562	11,374	11,593	6,566	7,633	12,119	47,841	129,167

WATER TREATMENT PLANT - FLORIDIAN REVERSE OSMOSIS

PROGRAM #: 966620



DESCRIPTION: Construct a 10-million gallons per day (MGD) Reverse Osmosis Treatment Plant using the Upper Floridian Aquifer

LOCATION: 700 W 2 Ave
Hialeah

District Located: 6
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Hialeah Reverse Osmosis Plant	8,024	190	0	0	0	0	0	0	8,214
Construction Fund									
Water Connection Charges	10	10	0	0	0	0	0	0	20
TOTAL REVENUES:	8,034	200	0	0	0	0	0	0	8,234
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	8,034	200	0	0	0	0	0	0	8,234
TOTAL EXPENDITURES:	8,034	200	0	0	0	0	0	0	8,234

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WATER TREATMENT PLANT - HIALEAH/PRESTON IMPROVEMENTS

PROGRAM #: 9650041



DESCRIPTION: Construct pump station east of the reservoir outside the transmission loop; construct five-mega-gal elevated remote storage, new laboratory and filter backwash water tank; install two emergency generators; construct chlorine facilities; and provide various upgrades to plant and remote storage as necessary

LOCATION: 700 W 2 Ave and 1100 W 2 Ave
Hialeah

District Located: 6
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Future WASD Revenue Bonds	0	10,560	13,252	7,320	4,996	2,500	0	0	38,629
WASD Revenue Bonds Sold	20,229	0	0	0	0	0	0	0	20,229
Water Connection Charges	2,120	673	803	804	804	0	0	0	5,203
TOTAL REVENUES:	22,349	11,233	14,056	8,124	5,800	2,500	0	0	64,062
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	20,301	10,633	13,212	7,636	5,452	2,350	0	0	59,585
Planning and Design	2,048	600	843	487	348	150	0	0	4,477
TOTAL EXPENDITURES:	22,349	11,233	14,056	8,124	5,800	2,500	0	0	64,062

Estimated Annual Operating Impact will begin in FY 2022-23 in the amount of \$15,000,000 and includes 0 FTE(s)

WATER TREATMENT PLANT - REPLACEMENT AND RENOVATIONS

PROGRAM #: 9650161

DESCRIPTION: Renovate and replace water treatment plant facilities and structures within plant sites

LOCATION: Water Treatment Plants
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Fire Hydrant Fund	1,521	0	0	0	0	0	0	0	1,521
Water Renewal and Replacement Fund	43,133	10,589	4,010	7,000	7,000	7,000	7,000	7,000	92,733
TOTAL REVENUES:	44,655	10,589	4,010	7,000	7,000	7,000	7,000	7,000	94,254
EXPENDITURE SCHEDULE:	PRIOR	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	FUTURE	TOTAL
Construction	31,735	11,099	12,195	6,768	6,768	6,768	6,768	6,787	88,887
Major Machinery and Equipment	675	230	110	144	144	144	144	144	1,735
Planning and Design	1,351	520	320	288	288	288	288	289	3,631
TOTAL EXPENDITURES:	33,761	11,849	12,625	7,200	7,200	7,200	7,200	7,220	94,254

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UNFUNDED CAPITAL PROGRAMS

PROGRAM NAME	LOCATION	(dollars in thousands) ESTIMATED PROGRAM COST
OCEAN OUTFALLS - CAPACITY PROJECTS	Throughout Miami-Dade County	1,730,281
OCEAN OUTFALLS - LEGISLATION PROJECTS	Throughout Miami-Dade County	3,374,000
SEPTIC TO SEWER PROJECT - PHASE 2	Throughout Miami-Dade County	90,000
UNDERSIZED WATER MAINS - REPLACEMENTS	Throughout Miami Dade County	15,963
WASTEWATER - COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	Throughout Miami Dade County	143,601
WASTEWATER TREATMENT PLANT - CENTRAL DISTRICT IMPROVEMENTS	Throughout Miami-Dade County	699
WASTEWATER TREATMENT PLANT - DIVISION NEEDS	Not Applicable	15,186
WASTEWATER TREATMENT PLANT - SOUTH DISTRICT IMPROVEMENTS	Throughout Miami-Dade County	6,075
WASTEWATER TREATMENT PLANT - UTILITY ENGINEERING	Not Applicable	43,412
WATER - COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	Throughout Miami Dade County	480,016
WATER INFRASTRUCTURE - VARIOUS IMPROVEMENTS	Throughout Miami Dade County	5,700
WATER TREATMENT PLANT (ALEX ORR) - IMPROVEMENTS	Throughout Miami-Dade County	33,863
WATER TREATMENT PLANT (HIALEAH) - IMPROVEMENTS	Throughout Miami-Dade County	21,620
WATER TREATMENT PLANT (NEW FACILITIES) - SOUTH MIAMI AND SURFACE	Throughout Miami-Dade County	690,818
WATER TREATMENT PLANT (PRESTON) - IMPROVEMENTS	Throughout Miami-Dade County	57,331
	UNFUNDED TOTAL	6,708,565