

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

Water and Sewer

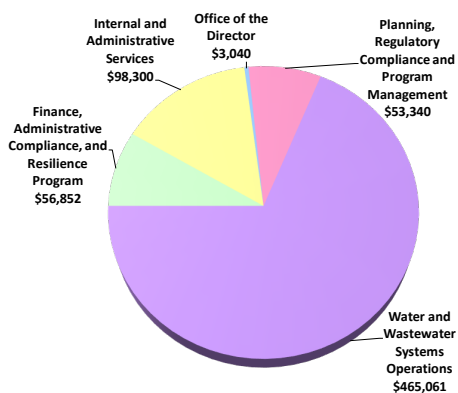
The Miami-Dade Water and Sewer Department (WASD) provides high-quality drinking water and wastewater services, safeguarding public health and the environment, while planning for future growth, implementing water conservation measures, and providing for process improvements and cost efficiencies.

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.

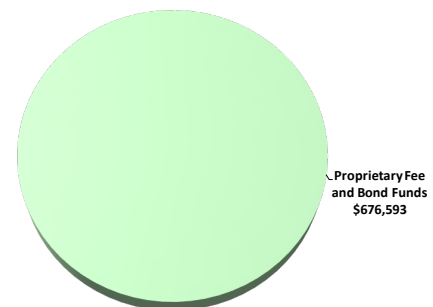
The Department delivers water and sewer services to most residents and businesses within Miami-Dade County, serving approximately 460,963 water and 376,329 wastewater retail customers as of September 30, 2023. Additionally, service is provided to 15 wholesale (municipal) water customers and to 13 wholesale (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 2023-24 Adopted Operating Budget

Expenditures by Activity
(dollars in thousands)



Revenues by Source
(dollars in thousands)



FY 2023-24 Adopted Budget and Multi-Year Capital Plan

TABLE OF ORGANIZATION

	<p><u>OFFICE OF THE DIRECTOR</u> Formulates and establishes departmental policy; directs overall operations</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 22-23</u></td> <td style="text-align: center;"><u>FY 23-24</u></td> </tr> <tr> <td style="text-align: center;">18</td> <td style="text-align: center;">12</td> </tr> </table>	<u>FY 22-23</u>	<u>FY 23-24</u>	18	12
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18	12				
	<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 22-23</u></td> <td style="text-align: center;"><u>FY 23-24</u></td> </tr> <tr> <td style="text-align: center;">1,676</td> <td style="text-align: center;">1,772</td> </tr> </table>	<u>FY 22-23</u>	<u>FY 23-24</u>	1,676	1,772
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	<p><u>FINANCE, ADMINISTRATIVE COMPLIANCE AND RESILIENCE PROGRAM</u> Directs financial, budget, capital funding coordination and information technology functions; directs contractual compliance and procurement activities; oversees the resilience program</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"><u>FY 22-23</u></td> <td style="text-align: center;"><u>FY 23-24</u></td> </tr> <tr> <td style="text-align: center;">302</td> <td style="text-align: center;">338</td> </tr> </table>	<u>FY 22-23</u>	<u>FY 23-24</u>	302	338
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302	338				
	<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 22-23</u></td> <td style="text-align: center;"><u>FY 23-24</u></td> </tr> <tr> <td style="text-align: center;">351</td> <td style="text-align: center;">380</td> </tr> </table>	<u>FY 22-23</u>	<u>FY 23-24</u>	351	380
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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 22-23</u></td> <td style="text-align: center;"><u>FY 23-24</u></td> </tr> <tr> <td style="text-align: center;">557</td> <td style="text-align: center;">584</td> </tr> </table>	<u>FY 22-23</u>	<u>FY 23-24</u>	557	584
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557	584				

The FY 2023-24 total number of full-time equivalent positions is 3,095

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

DIVISION: OFFICE OF THE DIRECTOR

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

DIVISION COMMENTS

- As part of a reorganization performed in FY 2022-23 to put a focus on resilience implementation and funding efforts, six positions were transferred from the Office of the Director to the Finance, Administrative Compliance, and Resilience Program
- The FY 2023-24 Adopted Budget includes a four 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, 2023, the adopted wholesale water rate increased by \$0.1857, from \$1.9273 to \$2.1130 per thousand gallons; the adopted wastewater wholesale rate increased by \$0.1992 from \$3.7422 to \$3.9414 per thousand gallons; wholesale customers' bills include a true-up adjustment to recover actual cost for FY 2021-22
- The FY 2023-24 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)



During FY 2023-24, WASD will continue working on an outreach campaign that includes branding for community recognition as well as informing citizens on water and wastewater services; WASD will also continue its efforts to transform workplace culture, optimize service delivery, and improve environmental and resilience outcomes

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 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

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

Strategic Objectives - Measures								
<ul style="list-style-type: none"> NI2-1: Provide sustainable drinking water supply and wastewater disposal services 								
Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Compliance with regulatory requirements for Water and Wastewater Systems	Compliance with drinking water standards	OC	↑	100%	100%	100%	100%	100%
	Percent compliance with wastewater standards*	OC	↑	73%	67%	100%	100%	100%

* The FY 2020-21 and FY 2021-22 Actual reflects impacts associated with COVID-19

DIVISION COMMENTS

- The FY 2023-24 Adopted Budget includes the addition of 62 positions to strengthen water and wastewater operations as well as to properly maintain plant equipment and infrastructure; 18 of these positions are for water systems and include trades such as chemists, lab technicians, microbiologists, lime plant operators, and water valve and service technicians; 44 of these positions are for wastewater systems and include treatment and power plant operators, structural and lateral repairers, mechanics, plant electricians, heavy equipment operators and repairers, sewer inspectors, pipefitters, and valve technicians (\$320,000 funded for two pay periods)
- The FY 2023-24 Adopted Budget transfers the responsibilities of county-wide fire hydrant maintenance from Miami-Dade Fire Rescue to WASD; to accommodate this function, a total of 38 additional positions will be added that will include two pipefitter supervisors, 18 maintenance repairers, and 18 semi-skilled laborers as well as other operating expenses totaling (\$1.6 million)
- The FY 2023-24 Adopted Budget includes the conversion of one WASD Maintenance Repairer part-time position to full-time status; it is anticipated that this conversion will increase productivity
- As part of a reorganization performed in FY 2022-23 to put a focus enhancing customer service in locations and plans review services five positions were transferred to Utilities Development division within the Planning, Regulatory Compliance and Program Management from the Water and Wastewater Systems Operations Division

DIVISION: FINANCE, ADMINISTRATIVE COMPLIANCE, AND RESILIENCE PROGRAM

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, as well as 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
- Oversees resilience programs

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

Strategic Objectives - Measures								
<ul style="list-style-type: none"> GG4-1: Provide sound financial and risk management 								
Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Ensure sound asset management and financial investment strategies	Bond rating evaluation by Fitch	OC	↑	A+	A+	A+	A+	AA-
	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

Strategic Objectives - Measures								
<ul style="list-style-type: none"> GG4-2: Effectively prioritize, allocate and use resources to meet the current and future operating and capital needs for all our residents 								
Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Ensure sound asset management and financial investment strategies	Capital improvement expenditure ratio (in percent %)	OP	↑	66%	77%	75%	75%	75%

Strategic Objectives - Measures								
<ul style="list-style-type: none"> NI2-1: Provide sustainable drinking water supply and wastewater disposal services 								
Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Improve Water-Use Efficiency	Gallons of water saved per day (GPD) through the implementation of the Water Use Efficiency Plan*	EF	↑	46,988 GPD	63,343 GPD	71,100 GPD	71,100 GPD	71,100 GPD

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

DIVISION COMMENTS

- The FY 2023-24 Adopted Budget includes the addition of 14 positions to properly staff WASD grant writing, procurement and vendor payment, capital cost accounting, and revenue control functions; the positions include Grant Analysts, Utility Supply Specialists, Purchasing Agents, Capital Inventory Specialists, and various levels of Accountants (\$86,000 funded for two pay periods)
- As part of a reorganization performed in FY 2022-23 to focus on resilience implementation and funding efforts, 22 positions were transferred to the to the Finance, Administrative Compliance, and Resilience Program Division with six positions coming from the Office of the Director and 16 positions from the Internal and Administrative Services Division



In FY 2023-24, 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

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

- The FY 2023-24 Adopted Budget includes payments to the Finance Department for expenses associated with cash management services (\$11,000)
- After the FY 2022-23 annual audits are completed, the year-end combined fund balance is projected to be \$116.3 million in rate stabilization and general reserve funds; in FY 2023-24, these reserves are expected to remain the same as in FY 2022-23 and the Department is projecting a year-end fund balance of \$85.9 million in the operating budget as required for bond ordinances

DIVISION: PLANNING, REGULATORY COMPLIANCE AND PROGRAM MANAGEMENT

Directs compliance with state and federal agreements related to the ocean outfall legislation and resilience programs.

- 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

Strategic Objectives - Measures

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

Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Ensure proper maintenance and operation of the sewage system	Percentage (%) of Ocean Outfall Legislation projects on schedule*	OC	↑	96%	72%	100%	100%	100%
	Percentage (%) of Consent Decree Wastewater projects on or before schedule	OC	↑	86%	81%	83%	83%	100%
Improve Water-Use Efficiency	Finished water use gallons per capita per day (gpcpd)- Consumption (Calendar Year)	OC	↓	134 gpcpd	129 gpcpd	128 gpcpd	128 gpcpd	127 gpcpd

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

Strategic Objectives - Measures								
<ul style="list-style-type: none"> NI3-2: Protect and maintain surface and drinking water sources 								
Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Fully comply with drinking water standards	System-wide available water supply capacity from the Biscayne Aquifer (in million gallons per day "MGD")	OC	↑	30.53 MGD	21.24 MGD	10.1 MGD	10.1 MGD	10.1 MGD

*The FY 2021-22 Actual reflects impacts associated with COVID-19

DIVISION COMMENTS

- The FY 2023-24 Adopted Budget includes the addition of 23 positions to properly staff Utilities Development, Regulatory Compliance and Hydrogeology Programs to improve concurrent processes for plans review and to shorten review timelines and complexities associated with water supplies; positions include Plans Review Coordinators, various levels of Engineers, Service Technicians and New Business Representatives (\$140,000 funded for two pay periods)
- As part of a reorganization performed in FY 2022-23 to enhance customer service in locations and plans review services, six positions were transferred to the Planning, Regulatory Compliance and Program Management Division with five coming from the Water and Wastewater System Operations Division and one from the Internal and Administrative Services Division
- The FY 2023-24 Adopted Budget includes funding to the Parks, Recreation and Open Spaces (PROS) Department for Cooperative Extension's Florida Yards and Neighborhoods Program (\$285,000)

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								
<ul style="list-style-type: none"> GG1-1: Support a customer-focused organization by providing convenient access to information and services, and by ensuring processes are easy to navigate 								
Objectives	Measures			FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 23-24
				Actual	Actual	Budget	Projection	Target
Provide information to customers in a timely manner	Percentage of calls answered within two minutes (monthly)*	OC	↑	83%	50%	70%	70%	70%
Maintain high-level of responsiveness to customer service requests	Average call wait time per call (retail customer service and emergency communications)*	OC	↓	1.1	3.2	2.0	2.0	2.0

*The FY 2021-22 Actual reflects increased call volumes related to retail pay plans and collection of past due accounts

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

DIVISION COMMENTS



The FY 2023-24 Adopted Budget includes the addition of 24 positions to improve customer experiences and responsiveness, as well as providing timely customer billing information, utility infrastructure, beautification, and human capital planning (\$150,000 funded for two pay periods)

- The FY 2023-24 Adopted Budget includes eight janitorial positions, approved as overages in FY 2022-23, that will eliminate the night shift of contractual janitorial functions (\$860,000)
- The FY 2023-24 Adopted Budget includes the conversion of 12 part-time Communications Specialists to full-time (\$126,000); it is anticipated that this conversion will improve customer satisfaction
- As part of a reorganization performed in FY 2022-23 to enhance customer service in locations and plans review services, one position was transferred to the Planning, Regulatory Compliance and Program Management Division, and 16 positions were transferred to the Finance, Administrative Compliance and Resilience Program Division
- The FY 2023-24 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 FY 2023-24 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 2023-24, the Department is continuing 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 \$158.999 million; \$15.815 million in FY 2023-24; capital program #9650201)



The Department's FY 2023-24 Adopted Budget and Multi-Year Capital Plan also includes the continued implementation of various wastewater systems capital projects such as the Pump Station Improvement and Resilience Programs (total program cost \$330.876 million; \$34.530 million in FY 2023-24; capital program #2000000784), Ocean Outfalls Legislation Program (total program cost \$1.360 billion; \$80.042 million in FY 2023-24; capital program #962670), Consent Decree (total program cost \$1.431 billion; \$114.426 million; capital program #964120, #964440 and #968150), and South District Expansion (total program cost \$695.379 million; \$169.612 million in FY 2023-24; capital program #2000000580)



The Department's FY 2023-24 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 \$306.245 million; \$15.181 million in FY 2023-24; capital program #9650041), Alexander Orr Water Treatment Plant (total program cost \$253.792 million; \$5.677 million in FY 2023-24; capital program #9650031), Small Diameter Water Main Replacement Program (total program cost \$384.705 million; \$17.490 million in FY 2023-24; capital program #2000000072) and Water Distribution System (total program cost \$143.844 million; \$17.253 million in FY 2023-24; capital program #9653311)



The Department's FY 2023-24 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 \$607.405 million in wastewater needs, \$140.758 million in water needs and BBC/GOB Water and Wastewater projects of \$27.957 million dollars

FY 2023-24 Adopted Budget and Multi-Year Capital Plan



The Department's FY 2023-24 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 2023-24 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 2023-24 Adopted Budget and Multi-Year Capital Plan includes the purchase of 165 vehicles (\$13.079 million) for the replacement of its aging fleet to include 102 for heavy fleet vehicles (\$9.532 million, 20 for light fleet vehicles (\$820,000), and 43 for trailers and other specialty fleet vehicles (\$2.727 million) funded with Wasterwater Renewal Funds; 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 20-21	Actual FY 21-22	Budget FY 22-23	Projection FY 22-23	Adopted FY 23-24
Advertising	629	800	810	641	838
Fuel	7,742	12,849	8,938	14,563	13,858
Overtime	19,167	24,112	20,353	24,847	22,347
Rent	258	210	462	386	440
Security Services	12,448	12,125	12,896	13,326	13,042
Temporary Services	1,177	442	1,409	1,119	376
Travel and Registration	13	121	193	185	147
Utilities	44,529	50,412	52,941	58,969	56,945

Adopted

Fee Adjustments	Current Fee FY 22-23	Adopted Fee FY 23-24	Dollar Impact FY 23-24
• Wastewater Retail Rate Adjustments	various	various	\$15,062
• Wastewater Wholesale Rate per one thousand gallons	\$3.7422	\$3.9414	\$436
• Water Retail Rate Adjustments	various	various	\$14,585
• Water Wholesale Rate per one thousand gallons	\$1.9273	\$2.1130	\$400
• Certificate of Use (CU) Upfront Fee	N/A	\$75	\$540

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

OPERATING FINANCIAL SUMMARY

(dollars in thousands)	Actual FY 20-21	Actual FY 21-22	Budget FY 22-23	Adopted FY 23-24
Revenue Summary				
Carryover	80,060	79,261	82,900	85,884
Miscellaneous Non-Operating	2,569	6,250	2,833	13,126
Other Revenues	20,158	26,530	25,219	30,096
Retail Wastewater	343,224	356,895	368,475	383,780
Retail Water	331,651	346,854	357,708	371,644
Transfer From Other Funds	0	0	0	17,673
Wholesale Wastewater	97,410	102,362	97,626	103,824
Wholesale Water	34,682	38,292	36,674	36,950
Total Revenues	909,754	956,444	971,435	1,042,977
Operating Expenditures Summary				
Salary	202,476	228,562	221,022	228,122
Fringe Benefits	68,467	89,988	94,575	107,292
Contractual Services	71,336	80,111	90,813	104,317
Other Operating	60,460	41,466	28,900	53,025
Charges for County Services	74,299	69,387	79,995	81,237
Capital	84,062	121,652	112,928	102,600
Total Operating Expenditures	561,100	631,166	628,233	676,593
Non-Operating Expenditures Summary				
Transfers	0	1,653	0	0
Distribution of Funds In Trust	0	0	0	0
Debt Service	233,378	253,115	257,319	270,719
Depreciation, Amortizations and Depletion	0	0	0	0
Reserve	0	0	85,883	95,665
Total Non-Operating Expenditures	233,378	254,768	343,202	366,384

(dollars in thousands)	Total Funding		Total Positions	
Expenditure By Program	Budget FY 22-23	Adopted FY 23-24	Budget FY 22-23	Adopted FY 23-24
Strategic Area: Neighborhood and Infrastructure				
Office of the Director	5,034	3,040	18	12
Water and Wastewater	440,333	465,061	1,676	1,772
Systems Operations				
Finance, Administrative	44,411	56,852	302	338
Compliance, and Resilience Program				
Planning, Regulatory	47,193	53,340	351	380
Compliance and Program Management				
Internal and Administrative Services	91,262	98,300	557	584
Total Operating Expenditures	628,233	676,593	2,904	3,086

FY 2023-24 Adopted Budget and Multi-Year Capital Plan

CAPITAL BUDGET SUMMARY

(dollars in thousands)	PRIOR	FY 23-24	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FUTURE	TOTAL
Revenue									
BBC GOB Financing	43,963	27,957	23,502	22,579	13,868	4,131	0	0	136,000
Fire Hydrant Fund	13,936	2,600	2,828	2,856	2,885	2,914	2,943	2,943	33,905
Future Subordinate Debt	0	0	1,500	1,500	155,198	195,517	155,172	240,968	749,855
Future WASD Revenue Bonds	21,777	325,520	387,348	480,371	395,054	340,606	373,301	957,715	3,281,692
Hialeah Reverse Osmosis Plant Construction Fund	8,030	0	0	0	0	0	0	0	8,030
Ojus Revenue Bond Sold	9,230	0	0	0	0	0	0	0	9,230
State Revolving Loan Wastewater Program	64,171	0	0	0	0	0	0	0	64,171
WASD Revenue Bonds Sold	1,398,846	0	0	0	0	0	0	0	1,398,846
WASD Subordinate Debt Sold	290,000	0	0	0	0	0	0	0	290,000
WIFIA Loan	133,519	112,575	193,107	170,905	109,752	126,233	123,565	115,712	1,085,368
Wastewater Connection Charges	176,588	16,644	5,841	4,908	0	0	0	0	203,981
Wastewater Renewal Fund	279,389	52,598	59,999	55,001	55,001	55,001	55,001	55,001	666,991
Wastewater Special Construction Fund	28,683	11,084	15,769	8,877	5,232	3,766	2,755	200	76,366
Water Connection Charges	31,979	4,831	2,487	1,682	1,504	0	0	0	42,483
Water Renewal and Replacement Fund	220,687	47,402	40,000	45,000	45,000	45,000	45,000	45,000	533,089
Water Special Construction Fund	12,128	200	200	200	200	200	200	200	13,528
Total:	2,732,926	601,411	732,581	793,879	783,694	773,368	757,937	1,417,739	8,593,535
Expenditures									
Strategic Area: NI									
GOB Water and Wastewater Projects	43,963	27,957	23,502	22,579	13,868	4,131	0	0	136,000
Wastewater Projects	2,069,684	607,405	570,709	574,732	564,873	546,063	475,715	613,062	6,022,243
Water Projects	380,503	140,758	193,237	198,367	206,753	224,975	284,022	806,677	2,435,292
Total:	2,494,150	776,120	787,448	795,678	785,494	775,169	759,737	1,419,739	8,593,535

FUNDED CAPITAL PROGRAMS

(dollars in thousands)

CENTRAL DISTRICT FORCEMAIN NETWORK - INFRASTRUCTURE 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 District Located: Systemwide
City of Miami District(s) Served: Systemwide

	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
REVENUE SCHEDULE:									
Future WASD Revenue Bonds	0	7,500	9,500	15,475	17,475	19,500	13,578	0	83,028
WASD Revenue Bonds Sold	10,107	0	0	0	0	0	0	0	10,107
TOTAL REVENUES:	10,107	7,500	9,500	15,475	17,475	19,500	13,578	0	93,135
EXPENDITURE SCHEDULE:									
Construction	10,107	7,500	9,500	15,475	17,475	19,500	13,578	0	93,135
TOTAL EXPENDITURES:	10,107	7,500	9,500	15,475	17,475	19,500	13,578	0	93,135

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CENTRAL DISTRICT WASTEWATER TREATMENT PLANT PROJECTS

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
City of Miami

District Located: 7
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future Subordinate Debt	0	0	1,500	1,500	71,042	58,893	31,312	20,348	184,595
Future WASD Revenue Bonds	0	11,438	18,428	12,500	3,800	3,486	1,385	5,129	56,166
WASD Revenue Bonds Sold	3,592	0	0	0	0	0	0	0	3,592
WIFIA Loan	0	1,193	503	23,159	0	0	0	0	24,855
Wastewater Renewal Fund	370	0	0	0	0	0	0	0	370
TOTAL REVENUES:	3,962	12,631	20,431	37,159	74,842	62,379	32,697	25,477	269,578
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	3,883	12,378	20,023	36,416	73,345	61,131	32,043	24,968	264,187
Planning and Design	79	253	408	743	1,497	1,248	654	509	5,391
TOTAL EXPENDITURES:	3,962	12,631	20,431	37,159	74,842	62,379	32,697	25,477	269,578

CENTRAL REGION WATER TRANSMISSION MAINS - INFRASTRUCTURE IMPROVEMENTS

PROGRAM #: 9654041

DESCRIPTION: Replace various low-pressure water mains and install a water main at railroad crossings via micro tunneling method

LOCATION: Central Miami-Dade County Area
City of Miami

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	300	2,220	3,506	2,400	2,000	0	0	10,426
Water Renewal and Replacement Fund	285	0	0	0	0	0	0	0	285
TOTAL REVENUES:	285	300	2,220	3,506	2,400	2,000	0	0	10,711
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	268	282	2,087	3,296	2,256	1,880	0	0	10,069
Planning and Design	17	18	133	210	144	120	0	0	642
TOTAL EXPENDITURES:	285	300	2,220	3,506	2,400	2,000	0	0	10,711

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COMMERCIAL AND INDUSTRIAL CORRIDORS - EXTENSION OF SEWER SYSTEM (CONNECT TO PROTECT)

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
BBC GOB Financing	38,963	22,957	23,502	22,579	13,868	4,131	0	0	126,000
TOTAL REVENUES:	38,963	22,957	23,502	22,579	13,868	4,131	0	0	126,000
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	33,573	19,515	19,900	19,182	11,787	3,511	0	0	107,468
Planning and Design	5,390	3,442	3,602	3,397	2,081	620	0	0	18,532
TOTAL EXPENDITURES:	38,963	22,957	23,502	22,579	13,868	4,131	0	0	126,000

CONSENT DECREE: SEWER PUMP STATION 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	256	104	0	0	0	0	0	360
WASD Revenue Bonds Sold	58,909	0	0	0	0	0	0	0	58,909
TOTAL REVENUES:	58,909	256	104	0	0	0	0	0	59,269
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	57,142	248	101	0	0	0	0	0	57,491
Planning and Design	1,767	8	3	0	0	0	0	0	1,778
TOTAL EXPENDITURES:	58,909	256	104	0	0	0	0	0	59,269

CONSENT DECREE: WASTEWATER COLLECTION AND TRANSMISSION LINES 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	1,236	1,741	0	0	0	0	0	2,977
WASD Revenue Bonds Sold	17,949	0	0	0	0	0	0	0	17,949
TOTAL REVENUES:	17,949	1,236	1,741	0	0	0	0	0	20,926
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	17,231	1,187	1,671	0	0	0	0	0	20,089
Planning and Design	718	49	70	0	0	0	0	0	837
TOTAL EXPENDITURES:	17,949	1,236	1,741	0	0	0	0	0	20,926

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CONSENT DECREE: WASTEWATER TREATMENT PLANTS 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	112,934	66,701	63,527	34,439	30,344	24,000	21,000	352,945
WASD Revenue Bonds Sold	977,282	0	0	0	0	0	0	0	977,282
Wastewater Connection Charges	9,135	0	0	0	0	0	0	0	9,135
Wastewater Renewal Fund	11,427	0	0	0	0	0	0	0	11,427
TOTAL REVENUES:	997,844	112,934	66,701	63,527	34,439	30,344	24,000	21,000	1,350,789
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	937,973	106,158	62,699	59,715	32,373	28,523	22,560	19,740	1,269,741
Planning and Design	59,871	6,776	4,002	3,812	2,066	1,821	1,440	1,260	81,048
TOTAL EXPENDITURES:	997,844	112,934	66,701	63,527	34,439	30,344	24,000	21,000	1,350,789

HIALEAH REVERSE OSMOSIS TREATMENT PLANT

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 District Located: 6
Hialeah District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Hialeah Reverse Osmosis Plant	8,030	0	0	0	0	0	0	0	8,030
Construction Fund									
Water Connection Charges	10	194	0	0	0	0	0	0	204
TOTAL REVENUES:	8,040	194	0	0	0	0	0	0	8,234
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	8,040	194	0	0	0	0	0	0	8,234
TOTAL EXPENDITURES:	8,040	194	0	0	0	0	0	0	8,234

LIFT STATIONS - INFRASTRUCTURE 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Wastewater Renewal Fund	9,116	0	350	350	350	350	350	350	11,216
TOTAL REVENUES:	9,116	0	350	350	350	350	350	350	11,216
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	7,133	160	280	280	280	280	280	280	8,973
Land Acquisition/Improvements	624	14	25	25	25	25	25	25	788
Major Machinery and Equipment	267	6	10	10	10	10	10	10	333
Planning and Design	892	20	35	35	35	35	35	35	1,122
TOTAL EXPENDITURES:	8,916	200	350	350	350	350	350	350	11,216

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NORTH DISTRICT FORCEMAIN NETWORK - INFRASTRUCTURE 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	31,864	36,708	42,592	31,178	3,000	0	0	145,342
Ojus Revenue Bond Sold	9,230	0	0	0	0	0	0	0	9,230
WASD Revenue Bonds Sold	59,811	0	0	0	0	0	0	0	59,811
Wastewater Connection Charges	9,129	6,099	0	0	0	0	0	0	15,228
Wastewater Renewal Fund	4,186	0	0	0	0	0	0	0	4,186
TOTAL REVENUES:	82,356	37,963	36,708	42,592	31,178	3,000	0	0	233,797
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	74,671	41,189	36,434	41,314	30,243	2,910	0	0	226,761
Planning and Design	2,310	1,274	1,149	1,278	935	90	0	0	7,036
TOTAL EXPENDITURES:	76,981	42,463	37,583	42,592	31,178	3,000	0	0	233,797

NORTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future Subordinate Debt	0	0	0	0	72,838	35,985	20,000	0	128,823
Future WASD Revenue Bonds	0	3,121	21,042	20,253	10,257	6,000	0	0	60,673
WASD Revenue Bonds Sold	1,261	0	0	0	0	0	0	0	1,261
WASD Subordinate Debt Sold	2,713	0	0	0	0	0	0	0	2,713
WIFIA Loan	1,230	3,426	13,586	52,838	0	0	0	0	71,080
Wastewater Renewal Fund	1,224	0	0	0	0	0	0	0	1,224
TOTAL REVENUES:	6,428	6,547	34,628	73,091	83,095	41,985	20,000	0	265,774
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	6,364	6,482	34,281	72,360	82,264	41,565	19,800	0	263,116
Planning and Design	64	65	347	731	831	420	200	0	2,658
TOTAL EXPENDITURES:	6,428	6,547	34,628	73,091	83,095	41,985	20,000	0	265,774

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NORTH REGION WATER TRANSMISSION MAINS - INFRASTRUCTURE 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	5,770	9,048	10,117	16,336	20,486	16,429	10,100	1,000	89,286
WASD Revenue Bonds Sold	8,059	0	0	0	0	0	0	0	8,059
Water Renewal and Replacement	551	0	0	0	0	0	0	0	551
Fund									
TOTAL REVENUES:	14,380	9,048	10,117	16,336	20,486	16,429	10,100	1,000	97,896
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	13,869	8,708	9,712	15,683	19,667	15,772	9,696	960	94,067
Planning and Design	511	340	405	653	819	657	404	40	3,829
TOTAL EXPENDITURES:	14,380	9,048	10,117	16,336	20,486	16,429	10,100	1,000	97,896

OCEAN OUTFALL LEGISLATION PROGRAM

PROGRAM #: 962670



DESCRIPTION: Eliminate outfall flows to the ocean

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

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future Subordinate Debt	0	0	0	0	11,318	100,639	103,860	220,620	436,437
Future WASD Revenue Bonds	0	0	0	12,450	10,052	6,405	5,400	4,000	38,307
State Revolving Loan Wastewater	40,193	0	0	0	0	0	0	0	40,193
Program									
WASD Revenue Bonds Sold	385	0	0	0	0	0	0	0	385
WASD Subordinate Debt Sold	98,241	0	0	0	0	0	0	0	98,241
WIFIA Loan	113,169	11,259	52,182	67,439	88,516	111,233	108,565	98,712	651,075
Wastewater Connection Charges	8,456	3,331	2,509	4,908	0	0	0	0	19,204
Wastewater Renewal Fund	5,795	0	0	0	0	0	0	0	5,795
Wastewater Special Construction	24,781	10,601	15,568	8,677	5,032	3,566	2,555	0	70,780
Fund									
TOTAL REVENUES:	291,020	25,191	70,259	93,474	114,918	221,843	220,380	323,332	1,360,417
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	200,741	68,035	59,721	79,452	97,680	188,567	187,322	274,831	1,156,349
Planning and Design	35,428	12,007	10,538	14,021	17,238	33,277	33,058	48,501	204,068
TOTAL EXPENDITURES:	236,169	80,042	70,259	93,473	114,918	221,844	220,380	323,332	1,360,417

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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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	15,815	15,815	14,708	11,714	11,817	11,817	32,458	114,144
WASD Revenue Bonds Sold	44,855	0	0	0	0	0	0	0	44,855
TOTAL REVENUES:	44,855	15,815	15,815	14,708	11,714	11,817	11,817	32,458	158,999
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	44,855	15,815	15,815	14,708	11,714	11,817	11,817	32,458	158,999
TOTAL EXPENDITURES:	44,855	15,815	15,815	14,708	11,714	11,817	11,817	32,458	158,999

PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)

PROGRAM #: 200000784



DESCRIPTION: Implement a pump station resiliency program to improve pump stations systemwide

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	34,530	38,860	66,770	51,947	24,541	24,785	34,459	275,892
WASD Revenue Bonds Sold	49,734	0	0	0	0	0	0	0	49,734
Wastewater Connection Charges	4,630	0	0	0	0	0	0	0	4,630
Wastewater Renewal Fund	620	0	0	0	0	0	0	0	620
TOTAL REVENUES:	54,984	34,530	38,860	66,770	51,947	24,541	24,785	34,459	330,876
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	54,435	34,185	38,472	66,102	51,428	24,295	24,538	34,114	327,569
Planning and Design	549	345	388	668	519	246	247	345	3,307
TOTAL EXPENDITURES:	54,984	34,530	38,860	66,770	51,947	24,541	24,785	34,459	330,876

PUMP STATIONS - GENERATORS AND MISCELLANEOUS UPGRADES

PROGRAM #: 9652002

DESCRIPTION: Install emergency generators and construct miscellaneous upgrades at various wastewater pump stations

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	4,275	7,060	9,525	3,354	2,701	0	0	26,915
WASD Revenue Bonds Sold	3,954	0	0	0	0	0	0	0	3,954
TOTAL REVENUES:	3,954	4,275	7,060	9,525	3,354	2,701	0	0	30,869
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	3,954	4,275	7,060	9,525	3,354	2,701	0	0	30,869
TOTAL EXPENDITURES:	3,954	4,275	7,060	9,525	3,354	2,701	0	0	30,869

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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
Throughout Miami-Dade County

District Located: Countywide
District(s) Served: Countywide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	2,770	13,986	27,196	35,696	38,786	63,125	73,427	102,134	357,120
WASD Revenue Bonds Sold	14,344	0	0	0	0	0	0	0	14,344
Water Connection Charges	5,128	3,504	1,504	1,504	1,504	0	0	0	13,144
Water Renewal and Replacement	97	0	0	0	0	0	0	0	97
Fund									
TOTAL REVENUES:	22,339	17,490	28,700	37,200	40,290	63,125	73,427	102,134	384,705
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	21,445	16,791	27,552	35,712	38,678	60,600	70,490	98,048	369,316
Planning and Design	894	699	1,148	1,488	1,612	2,525	2,937	4,086	15,389
TOTAL EXPENDITURES:	22,339	17,490	28,700	37,200	40,290	63,125	73,427	102,134	384,705

SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
State Revolving Loan Wastewater Program	23,978	0	0	0	0	0	0	0	23,978
WASD Subordinate Debt Sold	189,046	0	0	0	0	0	0	0	189,046
WIFIA Loan	19,120	96,697	126,836	27,469	21,236	15,000	15,000	17,000	338,358
Wastewater Connection Charges	133,167	7,214	3,332	0	0	0	0	0	143,713
Wastewater Special Construction	0	283	1	0	0	0	0	0	284
Fund									
TOTAL REVENUES:	365,311	104,194	130,169	27,469	21,236	15,000	15,000	17,000	695,379
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	263,907	149,259	114,549	24,173	18,687	13,200	13,200	14,960	611,935
Planning and Design	35,986	20,353	15,620	3,296	2,549	1,800	1,800	2,040	83,444
TOTAL EXPENDITURES:	299,893	169,612	130,169	27,469	21,236	15,000	15,000	17,000	695,379

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SOUTH DISTRICT FORCEMAIN NETWORK - INFRASTRUCTURE 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	9,930	18,510	23,090	28,258	25,000	12,500	8,000	125,288
WASD Revenue Bonds Sold	3,431	0	0	0	0	0	0	0	3,431
TOTAL REVENUES:	3,431	9,930	18,510	23,090	28,258	25,000	12,500	8,000	128,719
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	2,882	8,342	15,548	19,396	23,737	21,000	10,500	6,720	108,125
Planning and Design	549	1,588	2,962	3,694	4,521	4,000	2,000	1,280	20,594
TOTAL EXPENDITURES:	3,431	9,930	18,510	23,090	28,258	25,000	12,500	8,000	128,719

SOUTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	4,000	3,500	2,000	0	0	0	0	9,500
WASD Revenue Bonds Sold	10,445	0	0	0	0	0	0	0	10,445
Wastewater Renewal Fund	725	0	0	0	0	0	0	0	725
TOTAL REVENUES:	11,170	4,000	3,500	2,000	0	0	0	0	20,670
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	10,946	3,920	3,430	1,960	0	0	0	0	20,256
Planning and Design	224	80	70	40	0	0	0	0	414
TOTAL EXPENDITURES:	11,170	4,000	3,500	2,000	0	0	0	0	20,670

SOUTH REGION WATER TRANSMISSION MAINS - INFRASTRUCTURE 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	1,646	3,250	2,883	4,264	2,719	0	0	14,762
WASD Revenue Bonds Sold	529	0	0	0	0	0	0	0	529
TOTAL REVENUES:	529	1,646	3,250	2,883	4,264	2,719	0	0	15,291
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	439	1,366	2,698	2,393	3,539	2,257	0	0	12,692
Planning and Design	90	280	552	490	725	462	0	0	2,599
TOTAL EXPENDITURES:	529	1,646	3,250	2,883	4,264	2,719	0	0	15,291

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WASTEWATER - EQUIPMENT

PROGRAM #: 9650301

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

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Wastewater Renewal Fund	53,997	14,133	6,859	9,000	9,000	9,000	9,000	9,000	119,989
TOTAL REVENUES:	53,997	14,133	6,859	9,000	9,000	9,000	9,000	9,000	119,989
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Major Machinery and Equipment	39,348	14,133	21,508	9,000	9,000	9,000	9,000	9,000	119,989
TOTAL EXPENDITURES:	39,348	14,133	21,508	9,000	9,000	9,000	9,000	9,000	119,989

WASTEWATER - 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Wastewater Renewal Fund	63,172	25,618	17,156	20,000	20,000	20,000	20,000	20,000	205,946
TOTAL REVENUES:	63,172	25,618	17,156	20,000	20,000	20,000	20,000	20,000	205,946
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	11,635	5,124	4,431	4,000	4,000	4,000	4,000	4,000	41,190
Major Machinery and Equipment	46,537	20,494	17,725	16,000	16,000	16,000	16,000	16,000	164,756
TOTAL EXPENDITURES:	58,172	25,618	22,156	20,000	20,000	20,000	20,000	20,000	205,946

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Wastewater Renewal Fund	8,503	0	3,000	3,000	3,000	3,000	3,000	3,000	26,503
TOTAL REVENUES:	8,503	0	3,000	3,000	3,000	3,000	3,000	3,000	26,503
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	4,953	2,700	2,700	2,700	2,700	2,700	2,700	2,700	23,853
Major Machinery and Equipment	275	150	150	150	150	150	150	150	1,325
Planning and Design	275	150	150	150	150	150	150	150	1,325
TOTAL EXPENDITURES:	5,503	3,000	3,000	3,000	3,000	3,000	3,000	3,000	26,503

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WASTEWATER - TELEMETERING IMPROVEMENTS

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Wastewater Renewal Fund	3,202	0	0	500	500	500	500	500	5,702
TOTAL REVENUES:	3,202	0	0	500	500	500	500	500	5,702
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	1,102	600	1,500	500	500	500	500	500	5,702
TOTAL EXPENDITURES:	1,102	600	1,500	500	500	500	500	500	5,702

WASTEWATER FACILITIES - INFRASTRUCTURE IMPROVEMENTS

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,622	3,323	26,659	24,216	22,500	41,000	62,953	183,273
WASD Revenue Bonds Sold	500	0	0	0	0	0	0	0	500
TOTAL REVENUES:	500	2,622	3,323	26,659	24,216	22,500	41,000	62,953	183,773
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	460	2,413	3,057	24,526	22,279	20,700	37,720	57,917	169,072
Planning and Design	40	209	266	2,133	1,937	1,800	3,280	5,036	14,701
TOTAL EXPENDITURES:	500	2,622	3,323	26,659	24,216	22,500	41,000	62,953	183,773

WASTEWATER MASTER PLANNING AND PEAK FLOW MANAGEMENT

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	6,659	6,130	3,800	1,879	1,000	1,000	5,761	26,229
WASD Revenue Bonds Sold	9,640	0	0	0	0	0	0	0	9,640
Wastewater Connection Charges	12,071	0	0	0	0	0	0	0	12,071
TOTAL REVENUES:	21,711	6,659	6,130	3,800	1,879	1,000	1,000	5,761	47,940
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	13,027	3,995	3,678	280	1,127	600	600	3,456	26,763
Planning and Design	8,684	2,664	2,452	3,520	752	400	400	2,305	21,177
TOTAL EXPENDITURES:	21,711	6,659	6,130	3,800	1,879	1,000	1,000	5,761	47,940

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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
Unincorporated Miami-Dade County

District Located: 8
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	12,472	25,047	20,193	11,121	9,251	3,757	27,421	109,262
WASD Revenue Bonds Sold	9,482	0	0	0	0	0	0	0	9,482
TOTAL REVENUES:	9,482	12,472	25,047	20,193	11,121	9,251	3,757	27,421	118,744
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	8,629	11,350	22,792	18,376	10,121	8,418	3,419	24,953	108,058
Planning and Design	853	1,122	2,255	1,817	1,000	833	338	2,468	10,686
TOTAL EXPENDITURES:	9,482	12,472	25,047	20,193	11,121	9,251	3,757	27,421	118,744

WASTEWATER TREATMENT PLANTS - MISCELLANEOUS UPGRADES

PROGRAM #: 9652061



DESCRIPTION: Upgrade wastewater treatment plants to meet regulatory requirements

LOCATION: Wastewater Treatment Plants
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,482	0	0	0	0	0	0	2,482
WASD Revenue Bonds Sold	2,161	0	0	0	0	0	0	0	2,161
TOTAL REVENUES:	2,161	2,482	0	0	0	0	0	0	4,643
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	2,031	2,333	0	0	0	0	0	0	4,364
Planning and Design	130	149	0	0	0	0	0	0	279
TOTAL EXPENDITURES:	2,161	2,482	0	0	0	0	0	0	4,643

WASTEWATER TREATMENT PLANTS - REPLACE AND RENOVATE

PROGRAM #: 9653261



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

LOCATION: Systemwide
Various Sites

District Located: Systemwide
District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Wastewater Renewal Fund	59,182	12,847	22,634	17,151	17,151	17,151	17,151	17,151	180,418
Wastewater Special Construction Fund	3,727	0	0	0	0	0	0	0	3,727
TOTAL REVENUES:	62,909	12,847	22,634	17,151	17,151	17,151	17,151	17,151	184,145
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	55,103	16,865	21,503	16,293	16,293	16,293	16,293	16,293	174,936
Major Machinery and Equipment	581	177	226	172	172	172	172	172	1,844
Planning and Design	2,320	710	905	686	686	686	686	686	7,365
TOTAL EXPENDITURES:	58,004	17,752	22,634	17,151	17,151	17,151	17,151	17,151	184,145

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WASTEWATER - INFRASTRUCTURE IMPROVEMENTS

PROGRAM #: 200001494



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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
BBC GOB Financing	5,000	5,000	0	0	0	0	0	0	10,000
TOTAL REVENUES:	5,000	5,000	0	0	0	0	0	0	10,000
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	5,000	5,000	0	0	0	0	0	0	10,000
TOTAL EXPENDITURES:	5,000	5,000	0	0	0	0	0	0	10,000

WATER - DISTRIBUTION SYSTEM EXTENSION ENHANCEMENTS

PROGRAM #: 9653311



DESCRIPTION: Install various water mains throughout the distribution system
 LOCATION: Systemwide District Located: Systemwide
 Various Sites District(s) Served: Systemwide

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Fire Hydrant Fund	10,682	0	0	0	0	0	0	0	10,682
Future WASD Revenue Bonds	0	762	1,500	2,000	400	0	0	0	4,662
WASD Revenue Bonds Sold	200	0	0	0	0	0	0	0	200
Water Renewal and Replacement Fund	51,418	0	8,989	11,500	11,500	11,500	11,500	11,500	117,907
Water Special Construction Fund	10,393	0	0	0	0	0	0	0	10,393
TOTAL REVENUES:	72,693	762	10,489	13,500	11,900	11,500	11,500	11,500	143,844
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	41,410	16,735	14,356	14,841	13,289	12,901	12,901	13,095	139,528
Planning and Design	1,281	518	444	459	411	399	399	405	4,316
TOTAL EXPENDITURES:	42,691	17,253	14,800	15,300	13,700	13,300	13,300	13,500	143,844

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	2,500	7,500	15,750	20,750	30,000	57,000	136,500	270,000
Water Renewal and Replacement Fund	32,487	11,505	8,000	8,000	8,000	8,000	8,000	8,000	91,992
TOTAL REVENUES:	32,487	14,005	15,500	23,750	28,750	38,000	65,000	144,500	361,992
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Major Machinery and Equipment	22,987	14,005	25,000	23,750	28,750	38,000	65,000	144,500	361,992
TOTAL EXPENDITURES:	22,987	14,005	25,000	23,750	28,750	38,000	65,000	144,500	361,992

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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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Water Special Construction Fund	1,414	200	200	200	200	200	200	200	2,814
TOTAL REVENUES:	1,414	200	200	200	200	200	200	200	2,814
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	930	144	144	144	144	144	144	144	1,938
Planning and Design	484	56	56	56	56	56	56	56	876
TOTAL EXPENDITURES:	1,414	200	200	200	200	200	200	200	2,814

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	10,500	7,000	3,500	2,000	0	0	0	0	23,000
WASD Revenue Bonds Sold	16,998	0	0	0	0	0	0	0	16,998
Water Renewal and Replacement Fund	22,065	0	5,000	3,000	3,000	3,000	3,000	3,000	42,065
Water Special Construction Fund	321	0	0	0	0	0	0	0	321
TOTAL REVENUES:	49,884	7,000	8,500	5,000	3,000	3,000	3,000	3,000	82,384
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	45,947	9,800	8,330	4,900	2,940	2,940	2,940	2,940	80,737
Planning and Design	937	200	170	100	60	60	60	60	1,647
TOTAL EXPENDITURES:	46,884	10,000	8,500	5,000	3,000	3,000	3,000	3,000	82,384

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Water Renewal and Replacement Fund	59,035	23,910	15,871	15,000	15,000	15,000	15,000	15,000	173,816
TOTAL REVENUES:	59,035	23,910	15,871	15,000	15,000	15,000	15,000	15,000	173,816
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	49,273	22,954	22,637	14,400	14,400	14,400	14,400	14,400	166,864
Planning and Design	2,053	956	943	600	600	600	600	600	6,952
TOTAL EXPENDITURES:	51,326	23,910	23,580	15,000	15,000	15,000	15,000	15,000	173,816

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WATER - TELEMETERING IMPROVEMENTS

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Water Renewal and Replacement Fund	2,928	0	1,000	500	500	500	500	500	6,428
TOTAL REVENUES:	2,928	0	1,000	500	500	500	500	500	6,428
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	1,192	100	515	230	230	230	230	230	2,957
Major Machinery and Equipment	1,399	200	522	270	270	270	270	270	3,471
TOTAL EXPENDITURES:	2,591	300	1,037	500	500	500	500	500	6,428

WATER FACILITIES MAINTENANCE, UPGRADES AND STROM/CONNECTIVITY IMPROVEMENTS

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	723	984	7,638	13,149	12,494	20,792	13,961	69,741
WASD Revenue Bonds Sold	397	0	0	0	0	0	0	0	397
TOTAL REVENUES:	397	723	984	7,638	13,149	12,494	20,792	13,961	70,138
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	397	723	984	7,638	13,149	12,494	20,792	13,961	70,138
TOTAL EXPENDITURES:	397	723	984	7,638	13,149	12,494	20,792	13,961	70,138

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	750	2,436	3,121	4,576	7,811	15,000	164,306	198,000
WASD Revenue Bonds Sold	2,000	0	0	0	0	0	0	0	2,000
TOTAL REVENUES:	2,000	750	2,436	3,121	4,576	7,811	15,000	164,306	200,000
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	1,800	675	2,192	2,809	4,119	7,030	14,000	147,846	180,471
Planning and Design	200	75	244	312	457	781	1,000	16,460	19,529
TOTAL EXPENDITURES:	2,000	750	2,436	3,121	4,576	7,811	15,000	164,306	200,000

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**WATER RESET PROGRAM - 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Fire Hydrant Fund	1	0	0	0	0	0	0	0	1
Future WASD Revenue Bonds	2,737	5,677	20,926	25,301	29,672	21,987	40,374	85,334	232,008
WASD Revenue Bonds Sold	20,566	0	0	0	0	0	0	0	20,566
Water Renewal and Replacement Fund	1,217	0	0	0	0	0	0	0	1,217
TOTAL REVENUES:	24,521	5,677	20,926	25,301	29,672	21,987	40,374	85,334	253,792
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	23,295	5,393	19,880	24,036	28,188	20,888	38,355	81,067	241,102
Planning and Design	1,226	284	1,046	1,265	1,484	1,099	2,019	4,267	12,690
TOTAL EXPENDITURES:	24,521	5,677	20,926	25,301	29,672	21,987	40,374	85,334	253,792

**WATER RESET PROGRAM - 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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Future WASD Revenue Bonds	0	14,378	19,988	21,306	9,961	9,298	15,386	190,299	280,616
WASD Revenue Bonds Sold	22,033	0	0	0	0	0	0	0	22,033
Water Connection Charges	1,989	803	804	0	0	0	0	0	3,596
TOTAL REVENUES:	24,022	15,181	20,792	21,306	9,961	9,298	15,386	190,299	306,245
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	22,581	14,270	19,545	20,028	9,363	8,740	14,463	178,881	287,871
Planning and Design	1,441	911	1,247	1,278	598	558	923	11,418	18,374
TOTAL EXPENDITURES:	24,022	15,181	20,792	21,306	9,961	9,298	15,386	190,299	306,245

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WATER SYSTEM FIRE HYDRANT PROGRAM

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	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Fire Hydrant Fund	2,950	2,600	2,828	2,856	2,885	2,914	2,943	2,943	22,919
TOTAL REVENUES:	2,950	2,600	2,828	2,856	2,885	2,914	2,943	2,943	22,919
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	150	2,600	2,828	2,856	2,885	2,914	2,943	2,943	20,119
Planning and Design	2,800	0	0	0	0	0	0	0	2,800
TOTAL EXPENDITURES:	2,950	2,600	2,828	2,856	2,885	2,914	2,943	2,943	22,919

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

REVENUE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Fire Hydrant Fund	303	0	0	0	0	0	0	0	303
Water Renewal and Replacement Fund	42,393	11,987	1,140	7,000	7,000	7,000	7,000	7,000	90,520
TOTAL REVENUES:	42,696	11,987	1,140	7,000	7,000	7,000	7,000	7,000	90,823
EXPENDITURE SCHEDULE:	PRIOR	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	FUTURE	TOTAL
Construction	28,071	12,723	11,680	6,580	6,580	6,580	6,580	6,580	85,374
Major Machinery and Equipment	597	271	249	140	140	140	140	140	1,817
Planning and Design	1,194	541	497	280	280	280	280	280	3,632
TOTAL EXPENDITURES:	29,862	13,535	12,426	7,000	7,000	7,000	7,000	7,000	90,823

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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 RESET- PHASE 2	Not Applicable	429,475
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	7,138,040