



**DRAFT**  
**MEETING MINUTES**  
**CITY OF FORT LAUDERDALE**  
**INFRASTRUCTURE TASK FORCE ADVISORY COMMITTEE**  
**MONDAY, AUGUST 1, 2022 – 2:00 P.M. TO 5:00 P.M.**

CITY OF FORT LAUDERDALE

**January-December 2022**

**Attendance**

Marilyn Mammano, Chair	P	5	0
Peter Partington, Vice Chair	P	3	2
Gerald Angeli	P	4	1
Shane Grabski	A	3	2
James LaBrie	P	5	0
Charlie Ladd	A	1	4
Michael Marshall	P	4	1
Roosevelt Walters	P	3	2
Ralph Zeltman	P	5	0

As of this date, there are 9 appointed members to the Committee, which means 5 would constitute a quorum.

**Staff**

Marie Cine, Senior Administrative Assistant / Staff Liaison  
 Alan Dodd, Director of Public Works  
 Chris Bennett, Assistant Director of Public Works  
 Omar Castellon, Assistant Director of Public Works – Engineering  
 Sylejman Ujkani, Program Manager  
 Jamie Opperlee, Recording Secretary, Prototype, Inc.

**Communication to the City Commission**

None.

**1. Call to Order**

**i. Roll Call**

Chair Mammano called the meeting to order at 2:00 p.m. Roll was called and it was noted a quorum was present.

**ii. Approval of Agenda**

**Motion** made by Mr. Walters, seconded by Mr. Angeli, to approve. In a voice vote, the **motion** passed unanimously.

**iii. Approval of Previous Meeting Minutes – April 4, 2022**

**Motion** made by Vice Chair Partington, seconded by Mr. Walters, to approve. In a voice vote, the **motion** passed unanimously.

iv. **Approval of Previous Meeting Minutes – June 6, 2022**

**Motion** made by Vice Chair Partington, seconded by Mr. Walters, to approve.

Vice Chair Partington noted the following correction to p.6, paragraph 3: it was a previous iteration of the Infrastructure Task Force that had made a number of major recommendations.

In a voice vote, the **motion** was approved (as amended).

**2. Old Business**

i. **Public Works Projects – Funding Request Priorities**

Chair Mammano recalled that at the June 6, 2022 meeting, the Infrastructure Task Force Advisory Committee (ITFAC) had sent a communication to the City Commission including their funding recommendations. Public Works Director Alan Dodd confirmed that these recommendations were acknowledged by the City Commission. This preceded the release of the City's draft budget, which is now available online. Next steps include the two planned budget hearings in September 2022, as well as adjustments to the budget.

Chair Mammano asked if the draft budget includes the prioritized items that were presented to the Committee in June. Mr. Dodd confirmed that most of these priorities were included. Public Works had requested a dedicated Information Technology (IT) specialist to focus on cybersecurity issues; while this position was not added to Public Works, there will be an individual within the City's IT Department who can provide these services. He was comfortable with this as long as the correct services will be provided. The focus is on prevention of cybersecurity issues.

Chair Mammano requested additional information regarding streets and sidewalks. Mr. Dodd replied that the Sidewalk Master Plan gap analysis received \$180,000, while the pavement condition index (PCI) received \$180,000 for an update. The Department also received \$303,000 for a PCI assessment of alleyways. The roadway team received the five additional personnel requested for it, as well as a \$150,000 increase in overtime pay. Both the asphalt resurfacing and concrete/paver budgets were raised to \$1.5 million, both of which were \$500,000 increases.

Vice Chair Partington observed that the draft budget lists \$26.7 million for the City's Capital Improvement Program (CIP). He asked how close this amount was to the recommended 7% of the total General Fund. Mr. Dodd estimated that this amount is slightly below 7% but is closer to that percentage than previous budgets. He suggested

that the Committee may wish to see a presentation from a representative of the City's Office of Management and Budget (OMB) to clarify the percentage this amount represents.

Vice Chair Partington continued that the draft budget also includes \$3.6 million for bridge repairs and replacement. He asked if this is enough to address all of the City's bridges which were rated structurally deficient by the Florida Department of Transportation (FDOT). Mr. Dodd clarified that this amount is intended for repairs rather than replacement, as replacement typically requires a separate line item. The 2023 budget includes design funds for the Bayview Drive and SE 13<sup>th</sup> Street Bridges, as well as additional funding for the Westlake Drive Bridge.

Mr. Zeltman asked if there are provisions to address the design of bridges that were built at lower elevations and now need to be raised due to the expected increase in tidal height. Mr. Dodd confirmed this, noting that Public Works has identified several bridges which are functionally obsolete and are included in a replacement program. When these are addressed, raising the height to accommodate sea level rise will be part of the process. The bridges will also most likely be made stronger and wider, with sidewalks on both sides of the structure.

Mr. Dodd continued that improving the capacity of a bridge typically makes a project eligible for more funding opportunities, including grants. The U.S. Army Corps of Engineers will provide environmental review and permitting for these projects to ensure there are no adverse effects on endangered species or natural resources. The Army Corps will also consider navigability, particularly if the bridge spans a federally controlled channel.

Vice Chair Partington called the Committee's attention to p.4 of the June 10, 2022 City Commission Agenda Memo, pointing out that the draft budget includes one-time expenses for which American Rescue Plan Act (ARPA) funds may be used.

Chair Mammano asked if the consolidation of a Public Works facility with another City Department's facility was included in the budget. Mr. Dodd explained that Public Works is working with the Department of Sustainable Development (DSD) toward joint use of a site, with some funds already budgeted for the design of this facility. Funding for construction of this site would come in a later year.

Mr. Marshall advised that the Budget Advisory Board (BAB) will make its final recommendations at its next meeting, which will be a joint meeting with the City Commission on August 15, 2022.

## **ii. Water Distribution System Mapping**

Program Manager Sylejman Ujkani stated that the City is currently in a negotiation phase to finalize agreements with the selected consultant, with work to commence in a

few weeks after the agreements have been drafted and signed. Because this involves a Consent Order project, the process has been expedited and will come before the Commission at their September 6, 2022 meeting.

Mr. Ujkani explained that the consultant will be tasked with mapping all City infrastructure that is part of the water mapping system. The City has also asked the consultant to survey and collect data regarding the number of meters and valves, in order to make the map even more complete than what is required by the Florida Department of Environmental Protection (FDEP). The map will be used to inform and update the models already in use by the City.

### **3. New Business**

#### **i. Status update on the City's studies on its wells**

Assistant Director of Public Works (Engineering) Omar Castellon stated that the City is awaiting another contract with consultants to continue this study. It is expected that the contract will go before the City Commission for approval in September. In addition to this contract, the City is also conducting other types of water quality testing for its wells.

Mr. Dodd advised that the City has signed an interim agreement with the contractor who will operate the new water treatment plant. This agreement allows the contractor to undertake further analysis of the selected site, as well as a pilot program at the existing Fiveash Water Treatment Plant to test membrane technology. Public Works meets with this contractor on a weekly basis to discuss what will be built as well as a breakdown of the City's and the contractor's responsibilities.

Chair Mammano asked if the Committee will be able to see the City's comprehensive agreement with the contractor before it is signed. Mr. Dodd stated that he hoped this would be the case.

Mr. Walters asked what the pilot project is intended to establish. Mr. Dodd noted that this project will determine how well different membranes will process water. This will help determine the correct technology to be used. The costs of this program will be entirely the responsibility of the contractor.

Vice Chair Partington asked if the public-private partnership (P3) will be delayed by the pilot project. Mr. Castellon replied that the project is completely separate from the P3.

Mr. LaBrie recalled that one issue with membrane technology is water waste, and asked if this will be addressed through the comprehensive agreement. Mr. Dodd replied that the agreement will address the quality of water coming from the City's wells, the contractor's responsibilities regarding pre-treatment, how the water will be processed, and how much water will be delivered. The new plant will require an injection well for the

disposal of waste water, as well as the amount of wasted water and electrical consumption.

Chair Mammano requested a copy of the interim agreement for the Committee's review. Mr. Dodd confirmed that he would send a link to this agreement to the members.

Chair Mammano asked how the wellfield studies would affect the planned new water treatment plant. Mr. Castellon explained that the studies will examine the condition of the wells and determine whether or not they require maintenance or rehabilitation.

Vice Chair Partington asked if the condition of the wells would have any bearing on the P3 agreement. Mr. Castellon reiterated that this would not be the case: however, if the wells' condition requires repair, that will be the City's responsibility.

Chair Mammano asked what would happen if the quality of the water provided by the City deteriorates in relation to the condition of the wells. Mr. Dodd confirmed that this would also be the City's rather than the contractor's responsibility. The comprehensive agreement will establish a standard for minimum water quality requirements when the water is provided to the contractor, as well as the minimum quality requirements of the water that will be delivered from the contractor to the City. If either minimum is not met, the agreement will outline a process that must be followed in order to bring water quality into compliance.

Mr. Zeltman commented that the wells will now have to produce 15% more water than what is currently provided in order to satisfy current water demand, as 15% will be placed in an injection well. Mr. Castellon advised that this would only be a net 12% increase, as the City currently has a 3% loss percentage with its existing lime system.

Mr. Dodd explained that the City's allocation of water is based on availability from the Biscayne Aquifer, as determined by the South Florida Water Management District. Approximately three years ago, the City purchased an additional allocation of three million gallons per day (MGD) from the C-51 canal. Additional water will most likely be provided through this allocation. Another option could be creating wells that draw from the Floridian Aquifer, although the C-51 canal is the more likely approach.

**ii. Breakdown of the General Fund toward Public Works**

Chair Mammano noted that this Item was covered as part of the earlier budget discussion.

**iii. Map showing the Run Times of Basins Near Completed Re-lining Projects**

Patricia Carney, Ethan Heijn, and Guillermo Regalado, representing consultant Hazen and Sawyer, explained that the team has developed a methodology to determine how much improvement occurred pre- and post-relining of the system.

Mr. Heijn briefly reviewed the process that was implemented to assess the effectiveness of the gravity sewer rehabilitation program. This involved evaluation of flows at the wastewater treatment plant, as well as analysis of the energy consumption database for the individual pump stations that were rehabilitated.

Mr. Heijn advised that the main focus of rehabilitation was on reducing infiltration and inflow (I&I). Rehabilitation efforts were concentrated on the six pump station collection areas identified in the Consent Order. He pointed out that there was no pre-rehabilitation flow data to show what conditions were in effect prior to work being initiated. Because of this, the team had to develop a different methodology to assess the effectiveness of their repairs. The City provided energy consumption data for each of the six pump stations, which was used to estimate the flow reduction.

Mr. Regalado explained that the six basins were identified in the Consent Order had high concentrations of I&I, which meant the pumps were insufficient to handle the flow. Improvement of I&I not only helps the pump stations, but helps the condition of the force mains as well, as there is less gravel and sand in the pipes.

Mr. Regalado continued that flows are affected by times of day, as well as by weather and tidal events. These flows are affected further by I&I, which can also be called groundwater infiltration. I&I occurs even in the absence of weather events and outside peak hours.

Mr. Regalado showed a visual rendering of flows arriving at the George T. Lohmeyer Wastewater Treatment Plant during dry periods, which showed the estimated amount of I&I affecting those flows. He noted that greater rainfall events contribute to a raised groundwater table, during which the groundwater reaches and retains a higher-than-normal level.

Mr. Regalado continued that energy consumption is a good indicator of how much flow is being sent to the pump stations. While energy consumption is affected by a number of factors, the primary driver is flow. Conditions at a basin which did not undergo any repairs were used as a baseline for comparison with basins which underwent repairs.

Mr. Regalado further reviewed the methodology, noting that after repairs were made, run times at the pump stations decreased while capacity improved. When I&I is removed, basins can receive greater flows.

Chair Mammano observed that when a basin is repaired, the run times decrease, while when new development occurs, the run times increase; however, this increase is not as great as the decrease attributable to repairs. Mr. Regalado added that repairs will not

stop once the six basins named in the Consent Order are complete. The work is expected to continue.

It was estimated that more than 50% of the system is being affected by repairs, including pump stations, mains, manholes, and the portions of lateral lines owned by the City. The privatized portion of the system is more difficult to estimate. Ms. Carney advised that private lines are often deeper than the City's lines, which means more water is likely to intrude into them. This portion may be significant, although it has not been determined to be critical.

Chair Mammano asked how much the improvements to the first six basins have cost. This was estimated to be approximately \$30 million. Chair Mammano felt this was a reasonable amount. Mr. Zeltman pointed out that the decrease in run times results in cost savings.

Mr. Dodd stated that \$120 million worth of upcoming I&I work is listed in the CIP. Some of this work is already underway. He noted that more work on more basins will be necessary to make a significant difference.

It was noted that Fort Lauderdale's 2017 Comprehensive Utilities Strategic Master Plan states that up to 50% of flows going into water treatment plants are most likely attributable to I&I, and that I&I reduction is the most cost-effective means that the City can employ to achieve its long-term wastewater needs.

Vice Chair Partington requested clarification of the longevity of a lined pipe. Mr. Heijn replied that this can be 35 to 40 years. This time frame may also apply to smaller residential pipes, on which there is typically less demand than on mains. It was noted that this age range is dependent in part upon the conditions that exist farther up and down the system, and that slip lining can preempt what could be very expensive emergency repairs.

Chair Mammano requested a copy of the presentation, pointing out that it can stand as proof of the work the City has accomplished with respect to its infrastructure.

Mr. Dodd advised that smoke testing is also underway, which can help identify places in which repairs are needed to the private portion of the pipes. He added that the City may be considering amending some Ordinances to allow some public funds to be used to make these repairs.

Vice Chair Partington commented that his concern was for the effects of ongoing development on existing pump stations. Mr. Dodd advised that prior to approval for any development, a capacity analysis letter is prepared and sent to the City's Development Review Committee (DRC). Capacity analysis calculates the pump station run times, as well as the additional flows the development is expected to bring. The City's standard run time for pump stations is 10 hours.

Chair Mammano pointed out that when the result of additional development would result in longer run times, the development is not stopped: instead, it is noted that the appropriate pump station may require work. Mr. Dodd further clarified that the developer is required to pay an impact fee to the City, which is used toward making improvements to the pump station. He acknowledged that this impact fee is never enough to cover the entire cost of upgrades, but is calculated to be proportionate to the additional load the specific development would place on the pump station.

Vice Chair Partington characterized this process as problematic, noting that the development is not prohibited in this case. Chair Mammano recalled that it is the responsibility of the City to provide capacity for all the development anticipated in the Comprehensive Plan. Mr. Dodd noted that while a new development may be asked to upsize a water main to accommodate its effects, the developer is not asked to fund a basin-wide or pump station project. Chair Mammano concluded that the City cannot legally halt development based on condition or capacity in the absence of a health emergency.

#### **4. Public Works Update**

##### **i. June Water and Wastewater Break Report**

Mr. Castellon gave a PowerPoint presentation on this Item, stating that a force main break occurred on June 4, 2022. Vice Chair Partington recalled that there was a manhole overflow on the Seminole River Canal on July 26, resulting in a spill of 15.7 million gallons. More information on the cause of this overflow will be available at the next meeting.

##### **ii. Financial Report**

Chair Mammano recalled that this was addressed earlier in the meeting during the budget discussion.

#### **5. General Discussion and Comments**

##### **i. Committee Members**

Mr. LaBrie noted that the Broward County Board of County Commissioners recently discussed the New River bridge crossing. He reported that the County Commissioners seemed to wish to continue moving forward on this process, with only one member of that body appearing to be interested in a tunnel rather than a bridge. There had been consensus from the County Commissioners that the cost of a tunnel would be too great, and that the City of Fort Lauderdale would need to find the money for that project if they wished to proceed with it.

Vice Chair Partington stated that the estimated tunnel costs provided by FDOT have been turned over to the Broward Metropolitan Planning Organization (MPO) for additional study to determine their accuracy. Mr. LaBrie advised that he understood the estimated cost of the tunnel to be \$2 billion, although this has been challenged by the Fort Lauderdale City Commission, which has voted to fund another estimate. The County considers it unlikely that there will be consensus between the City and County on the possibility of a tunnel.

Mr. Zeltman advised that he had sent a PowerPoint presentation for dissemination to the Committee members, recapping what they have done since their inception as well as where they are going. He briefly reviewed some of the previously covered and ongoing items, which included the following:

- Sanitary gravity collection sewers
- Status of Police Department headquarters
- Fiveash Water Treatment Plant
- Replacement/upgrade of older water transmission/distribution mains and non-functional fire hydrants
- Replacement and/or retrofitting of existing stormwater drainage catch basins

It was determined that the Committee wished to hear an update on the status of the new Police Department headquarters at their September 2022 meeting.

Mr. Zeltman also recalled that after the Committee saw a presentation at a previous meeting regarding the City's stormwater catch basins, the City pumped out a number of these basins which had been blocked and held standing water.

Mr. Zeltman continued that there will be three new City Commissioners in Districts 1, 3, and 4 following the November 2022 elections. He suggested that the Committee consider when they would be able to meet with the current Commission in the future as well as with the incoming Commissioners. Chair Mammano emphasized the importance of meeting with the new Commissioners to bring them up to speed on the work the Committee has done. Mr. LaBrie commented that he was not certain of the value of meeting with the current Commission.

Chair Mammano advised that she had seen a presentation by consultant Stantec regarding the effect of a new water treatment plant on the water rate structure. She characterized the resulting estimated increase in water rates as "disturbing," particularly in comparison to what the increase might have been if the City Commission had not approved a P3. She asserted that the P3 is structured in a way that allows the private partner to make a profit, which raises these rates significantly.

Vice Chair Partington commented that this information from Stantec would have been relevant prior to the City's decision to proceed with a P3. Chair Mammano agreed, suggesting that the Committee ask to have the Stantec presentation she had seen brought before them so they could understand the issues more clearly.

Mr. LaBrie observed that the City's comprehensive P3 agreement has not yet been finalized. If an agreement cannot be reached, the City has the option of moving forward with their second choice of partner agency, or of issuing another request for proposal (RFP) to seek a partner.

Vice Chair Partington advised that the information presented to the City Commission regarding the P3 had included "significant" rate increases projected for the future. His concern was that these numbers may be increasing because of the decision to undertake a P3. Chair Mammano reiterated that at the next Committee meeting, there should be a discussion of water rates going forward. She agreed that a videotape of the Stantec presentation she had seen could be useful for this purpose.

Chair Mammano referred to a document entitled "Opportunities for Federal Funding" which was provided to the Committee members, stating that it listed opportunities related to the recently passed Infrastructure, Investment, and Jobs Act. She requested that this discussion be held at the next Committee meeting. Vice Chair Partington added that there are also state funds available for resiliency, mitigation, and general infrastructure.

Mr. LaBrie asked if the federal funds typically go to the state first and are then distributed through Tallahassee. Mr. Bennett confirmed that this is often the case: the federal government provides funds to the state along with rules for the use of these funds, and the state then determines where these funds go. The County may also receive some state funding and make a decision on where that money will be used. There are also grant funds for which the City may apply directly to the state or federal government.

The Committee members discussed the need for the City to secure some of these state and/or federal funds. Mr. Bennett advised that the City is currently working on a number of applications for at least \$50 million in grant funds. Chair Mammano requested a list of the projects for which funds are being sought.

Vice Chair Partington recalled that the Department of Sustainable Development's (DSD's) City Engineer position was in charge of "the review of developments," and that the individual in this position recently retired. He expressed concern with the resulting loss of expertise and requested an update on how DSD plans to fill this position. Mr. Bennett replied that Daniel Ray will take on the position of City Engineer, as he was mentored by the previous individual in this position and has absorbed the duties and responsibilities of City Engineer with respect to Code and policy. Mr. Bennett concluded that the various aspects of the City Engineer position will be assigned to either DSD or Public Works. Code is being reviewed to better align which of these responsibilities should be assigned to which Department.

Chair Mammano asked who would attend DRC meetings. Mr. Bennett replied that most of this will be handled by the Land Development Manager, which is the position currently held by Mr. Ray. A number of Public Works employees work directly with this position at DSD for the purpose of assisting the DRC, as well as capacity analysis for water, sewer, and stormwater designs from developments.

Mr. Castellon addressed the fines associated with the overflows mentioned earlier in the meeting, explaining that these fines are reviewed at the end of the year by regulatory entities. The rate is set at that time and the City is sent an invoice for it. For this reason, he was not certain that the fines associated with the July overflow would be available for presentation to the Committee at next month's meeting.

**ii. Public Comments**

None.

**6. Adjournment**

It was noted that the next Committee meeting was scheduled for September 12, 2022.

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:05 p.m.

Any written public comments made 48 hours prior to the meeting regarding items discussed during the proceedings have been attached hereto.

[Minutes prepared by K. McGuire, Prototype, Inc.]



# Old Business

- Public Works Projects – Funding Request Priorities
- Federal Funding Presentation

Infrastructure Priorities  
Budget Year FY2023

**Guiding Principles**

- A. Compliance with legal requirements
- B. Addressing immediate life, health, safety, or environmental needs
- C. Reducing high risks that may impact City's ability to provide essential services
- D. Supporting future approved development needs
- E. Integrating technology to improve efficiency and situational awareness
- F. Mitigating for climate change and carbon neutrality goals
- G. Improving community and systems resilience
- H. Replacing aging or antiquated infrastructure
- I. Providing system redundancy

**General Fund (331)**

SE 13<sup>th</sup> St over Cerro Gordo River Bridge (\$5,901,709). Replacement of the existing bridge infrastructure (Bridge 865765). (B,C,F,H)

FY2023 - \$2,279,650

FY2024 - \$705,185

FY2025 - \$2,916,874

Streetlight Improvements (\$4,662,900) Retrofit existing light poles with LED fixtures to provide better lighting along the corridor and provide additional light poles to provide consistent level of service. (B,D,E,G,H)

**Stormwater (470)**

P11906 Annual Stormwater Drainage Improvements. (\$1,500,000). Currently receives \$1.3M annually for small (under \$100k drainage projects. 3 year backlog in approved projects. Recommend increase to \$1.5M annually. (B,F,G,H)

**Water and Sewer (454/495)**

Senior Systems Engineer (SCADA Systems and Network) (\$154,215) New FTE to work with departments SCADA systems to protect systems against cybersecurity threats. (A,C,E,G)

P12388 NW 13<sup>th</sup> St 24" Force Main Replacement (\$16,601,794) (C,D,G,H)

Available - \$3,617,084

FY2023 - \$7,235,515

FY2024 - \$871,608

FY2025 - \$4,877,587

P12462 Coral Ridge Small Watermain Improvements (\$5,239,756), (C,D,G,H)

Available - \$302,844

FY2023 - \$4,936,912

P12464 Tarpon River A-11 Sewer Basin Rehab (\$5,905,947) (C,D,G,H)

Available - \$2,430,530

FY2023 - \$3,475,417

P12606 Coral Ridge Country Club Estates B11 Basin Rehab (\$19,556,665) (C,D,G,H)

Available - \$1,132,543

FY2023 - \$4,608,831

FY2024 - \$4,980,363

FY2025 - \$8,834,928

P12608 Triplex Pumping Station Rehabilitation (\$13,302,517) (C,D,G,H)

Fund 454 Available - \$362,981

Fund 495 FY2023 - \$12,939,536

Central Region (451/496)

P12387 Effluent Pipe 54-inch Forcemain Replacement (\$9,813,539) Consent Order project to replace pipes connecting GTL to wellfield (A,B,C,G,H,I)

Fund 451 - \$4,072,462

Fund 496 - \$5,744,077



Presentation to the Fort Lauderdale City Commission

# Federal Funding Opportunities

July 5, 2022

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Susan Lent, Partner, Akin Gump Strauss Hauer & Feld LLP

# Opportunities for Federal Funding

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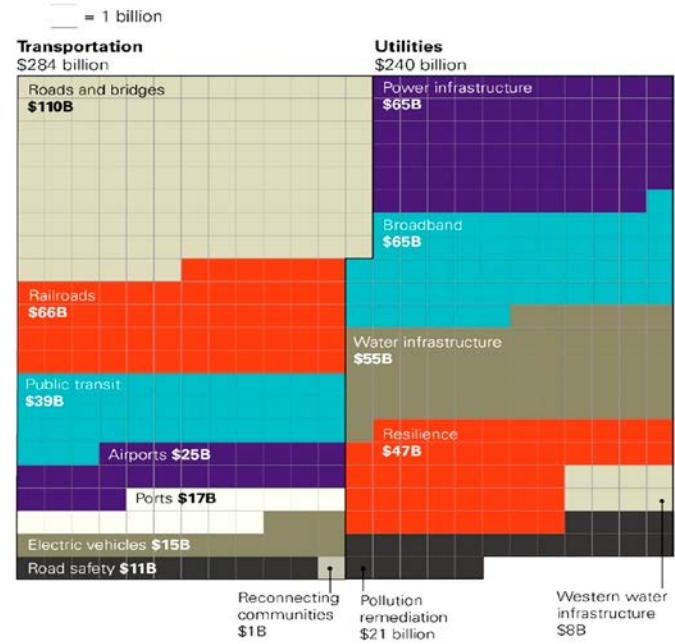
- Transportation
- Stormwater
- Broadband
- Cybersecurity
- Homelessness
- Economic Development

# Infrastructure Investment and Jobs Act

- Law provides \$1.2 trillion over 5 years for infrastructure.
- Takes expansive view of infrastructure
  - Transportation
  - Energy
  - Water
  - Broadband
  - Cybersecurity

\$550 billion in new investments

Almost half of the \$1.2 trillion package is going toward new investments in transportation, utilities and pollution remediation.



An additional \$5 billion is made up of small provisions to aid different groups.  
Source: Congressional Budget Office.

# Transportation Funding in Infrastructure Law

Program Name	Amount (over 5 years)	Description
Local and Regional Project Assistance (“RAISE”) grants.	\$7.5 billion	Projects that will have a significant economic impact and improve transportation infrastructure, including road, bridge, transit, passenger or freight rail, port, surface transportation components of airport projects.
Projects of National Significance (Mega projects)	\$5 billion	Large-scale projects that generate economic, mobility or safety benefits and are cost-effective. Highway, bridge, freight intermodal, railway-highway grade separation and elimination, intercity passenger rail and public transportation associated with the above. Fifty percent of funding will go to projects that cost at least \$100 million and less than \$500 million and 50% will go to projects that cost \$500 million or more. Secretary may enter into multiyear grant agreements.

# Transportation Funding in Infrastructure Law

Program Name	Amount (over 5 years)	Description
Nationally Significant Freight and Highway Projects (known as “INFRA”).	\$8 billion	Multimodal freight and highway projects of national or regional significance to improve the safety, efficiency, and reliability of the movement of freight and people.
Reconnecting Communities	\$1 billion (\$250 million for planning and \$750 million for construction)	Projects that remove, retrofit or mitigate previously constructed barriers to mobility, access or economic development to restore community connectivity.
Promoting Resilient Operations for Transformative, Efficient and Cost- Saving Transportation (“PROTECT”) Grants	\$1.4 billion	Projects that improve resiliency and address vulnerabilities to current and future weather events, including sea level rise. Funds may be used for highways, transit and port infrastructure.

# Transportation Funding in Infrastructure Law

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Program Name	Amount (over 5 years)	Description
Safe Streets for All Grants	\$5 billion	Funds projects to develop and implement "vision zero" plans and other improvements to reduce crashes and fatalities and protect pedestrians and bicyclists.
Strengthening Mobility and Revolutionizing Transportation ("SMART") Grants	\$500 million	Smart city projects that improve transportation efficiency and safety, including coordinated automation, connected vehicles, intelligent sensor-based infrastructure, systems integration, commerce delivery and logistics, leveraging innovative aviation technology such as unmanned aircraft systems, smart grids and smart technology traffic signals. Encourages private sector innovation and partnerships.
Advanced Transportation Technologies and Innovative Mobility Deployment Program	\$900 million	Grants to deploy, install, and operate advanced transportation technologies that improve safety, mobility, efficiency, system performance, intermodal connectivity, and infrastructure return on investment.

# Transportation Funding in Infrastructure Law

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Program Name	Amount (over 5 years)	Description
Bridge Investment Program	\$12.5 billion	Program to rehabilitate and replace bridges.
Consolidated Rail Infrastructure and Safety Improvements (CRISI)	\$5 billion	Projects that improve safety, efficiency and reliability of intercity passenger and freight rail.
Railroad Grade Crossing Elimination Program	\$3 billion	Projects to eliminate at-grade railroad crossings, add gates or signals, relocate tracks and install bridges.

# Transportation Funding in Infrastructure Law

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Program Name	Amount (over 5 years)	Description
Charging and Fueling Infrastructure Competitive Grants	\$2.5 billion	Publicly accessible electric vehicle charging infrastructure and hydrogen, propane and natural gas fueling infrastructure on designated alternative fuel corridors. Fifty percent of the funds will go to projects along designated Alternative Fuel Corridors and 50 percent will go to community grants to fund charging and fueling infrastructure in communities, with priority given to low- and moderate-income neighborhoods, communities with a low ratio of private parking spaces to households or a high ratio of multiunit dwellings to single family homes and rural areas. Government entities may contract with private sector to deliver and operate infrastructure.
National Electric Vehicle Formula Program	\$5 billion	Funds will be distributed by formula to states to deploy electric vehicle charging infrastructure.

# Funding for New River Crossing Tunnel

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- Project can benefit from new competitive grants in infrastructure law.
- The following competitive grants could supplement Federal Transit Administration Capital Investment Grants:
  - Local and Regional Project Assistance (“RAISE”) grants.
  - National Infrastructure Project Assistance grants (as part of larger surface transportation project).
  - Reconnecting Communities grant.

# Stormwater and Resilient Infrastructure Funding in Infrastructure Law

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Program Name	Amount (over 5 years)	Description
Clean Water Revolving Loan Program	\$12.713 billion	<ul style="list-style-type: none"><li>• \$11.713 billion of which 49 percent is for forgivable loans or grants.</li><li>• \$1 billion to address emerging contaminants for forgivable loans or grants.</li></ul>
Building Resilient Infrastructure and Communities	\$1 billion	<ul style="list-style-type: none"><li>• States that had designated disasters within past seven years can apply for funds for pre-disaster mitigation and provide funding to a sub-recipient, including a city.</li></ul>

# Grants for Stormwater and Resilient Infrastructure

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- HUD Community Development Block Grants.
- Army Corps of Engineers Environmental Infrastructure.
  - Authorized projects.
- Building Resilient Infrastructure and Communities (pre-disaster mitigation grants)
  - City would be subrecipient to the State.
- Community projects earmarked in annual appropriations under HUD, Army Corps or FEMA budgets.

# Broadband Funding in Infrastructure Law

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The infrastructure law includes \$65 billion for broadband infrastructure.

Program Name	Amount (over 5 years)	Description
Broadband Equity, Access, and Deployment (BEAD) Formula Program	\$42.45 billion	Funds will be distributed by formula based on the number of underserved persons and number of high-cost unserved locations in the state when compared to other states. States must submit a five-year action plan. States may award sub-grants to local governments, cooperatives, nonprofit organizations, public-private partnerships, private companies, public or private utilities and public utility districts. There is a 25 percent match required. States must prioritize unserved service projects until the state determines there is universal coverage of all unserved locations. States also must prioritize projects based on factors such as poverty, speed of proposed services and compliance with federal labor and employment laws.

# Broadband Funding in Infrastructure Law

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Program Name	Amount (over 5 years)	Description
State Digital Equity Capacity Grant Program	\$1.5 billion	Formula grants for states to develop and implement comprehensive digital equity plans. This program includes \$60 million for State Digital Equity Planning grants and \$1.44 billion for State Capacity grants to implement the State Digital Equity Plans of those States.
Digital Equity Competitive Grant Program	\$1.25 billion	Competitive grant program for state agencies and local governments to support digital equity projects, such as laptops and devices for students and digital literacy classes for adults.

# Cybersecurity Funding in Infrastructure Law

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Program Name	Amount (over 5 years)	Description
State, Local, Tribal and Territorial Grant Program	\$1 billion	Funds will be distributed by formula to states, territories and tribal governments. States must distribute 80% of the funds to local governments as grants to modernize IT networks and infrastructure to respond to cybersecurity threats. Program is expected to open in the third quarter of fiscal year 2022. (Funding will be distributed \$200 million in FY 22, \$400 million in FY 23, \$300 million in FY 24 and \$100 million in FY 25).

# New Buy America Requirements Applicable to All Federally-Funded Infrastructure Projects

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- The infrastructure law requires that for all federally-funded infrastructure projects, that all of the iron, steel, manufactured products and construction materials used in the project are produced in the U.S.
- This requirement applies to all federally-funded infrastructure projects, whether or not funded in the infrastructure law.
- Produced in the U.S. means:
  - For iron or steel products, all manufacturing processes, from the initial melting stage through the application of coatings, must occur in the U.S.;
  - For manufactured products, (i) the product must be manufactured in the U.S.; and (ii) the cost of the components of the manufactured product that are mined, produced, or manufactured in the U.S. must be greater than 55% of the total cost of all components of the manufactured product, unless another standard for determining minimum amount of domestic content has been established under applicable law or regulation; and
  - For construction materials, all manufacturing processes for the construction material must occur in the U.S. except that aggregates and concrete are exempt from the definition of construction materials.
- OMB is required to issue standards that define "all manufacturing processes" in the case of construction materials.
- Implementation of this new requirement has proven challenging, and most agencies have obtained a waiver to delay implementation of the new requirements until there is clarity around its implementation – however, transportation projects already must comply with certain Buy America requirements.

# Funding to Address Homelessness

---

- There is \$3.4 billion available for Homelessness Assistance Programs in FY 2022.
  - *Continuum of Care*. HUD issued a special notice of funding opportunity on June 22 seeking applications from communities to address unsheltered and rural homelessness. The deadline to submit an application is October 20, 2022. There is about \$322 million available for awards. Eligible costs include rent and utility assistance, short-term emergency lodging, repairs for transitional or permanent housing, job training and licensing and emergency food and clothing assistance.
  - *Rapid Rehousing/Other Critical Activities*. Grants to connect families and individuals experiencing homelessness to permanent housing. There is \$52 million available for awards.
  - *Youth Demo Project (New Projects)*. Grants for developing and implementing coordinated approaches to prevent youth homelessness. There is \$107 million available for awards for FY 2022. Applications for FY 2021 Round 6 funding were due June 28, 2022.
  - *Emergency Solutions Grants*. Grants to assist people to regain stability in permanent housing after experiencing a housing crisis and/or homelessness. There is \$290 million available for awards.
  - *Housing Opportunities for Persons with AIDS*. Formula and competitive grants to address housing needs of low income people living with HIV/AIDS. The application deadline is August 1, 2022. There is about \$450 million available for awards.
  - *Choice Neighborhoods Planning Grants*. Grants to revitalize distressed HUD housing and address the challenges in the surrounding neighborhood. The deadline to submit an application is July 28, 2022. There is about \$10 million available for awards.

# Funding for Economic Development

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- The Department of Commerce Economic Development Administration makes grants available for a variety of purposes tied to economic developing, including public works projects. The Atlanta Regional Office administers the grants for Florida.
- Public Works Grants provide funding for construction and programs to economically distressed communities to revitalize, expand, and upgrade physical infrastructure to attract new industry; encourage business expansion; diversify local economies; and generate or retain long-term, private-sector jobs and investment through the acquisition or development of land and infrastructure improvements needed for the successful establishment or expansion of industrial or commercial enterprises.
- Program encourages partnerships between government entities, industry and universities and considers job creation opportunities.



Questions?



# New Business

- Presentation by Office of Management and Budget
- Update on Police Station
- Stantec Presentation/Video Fiscal Year Increase on Water Rates

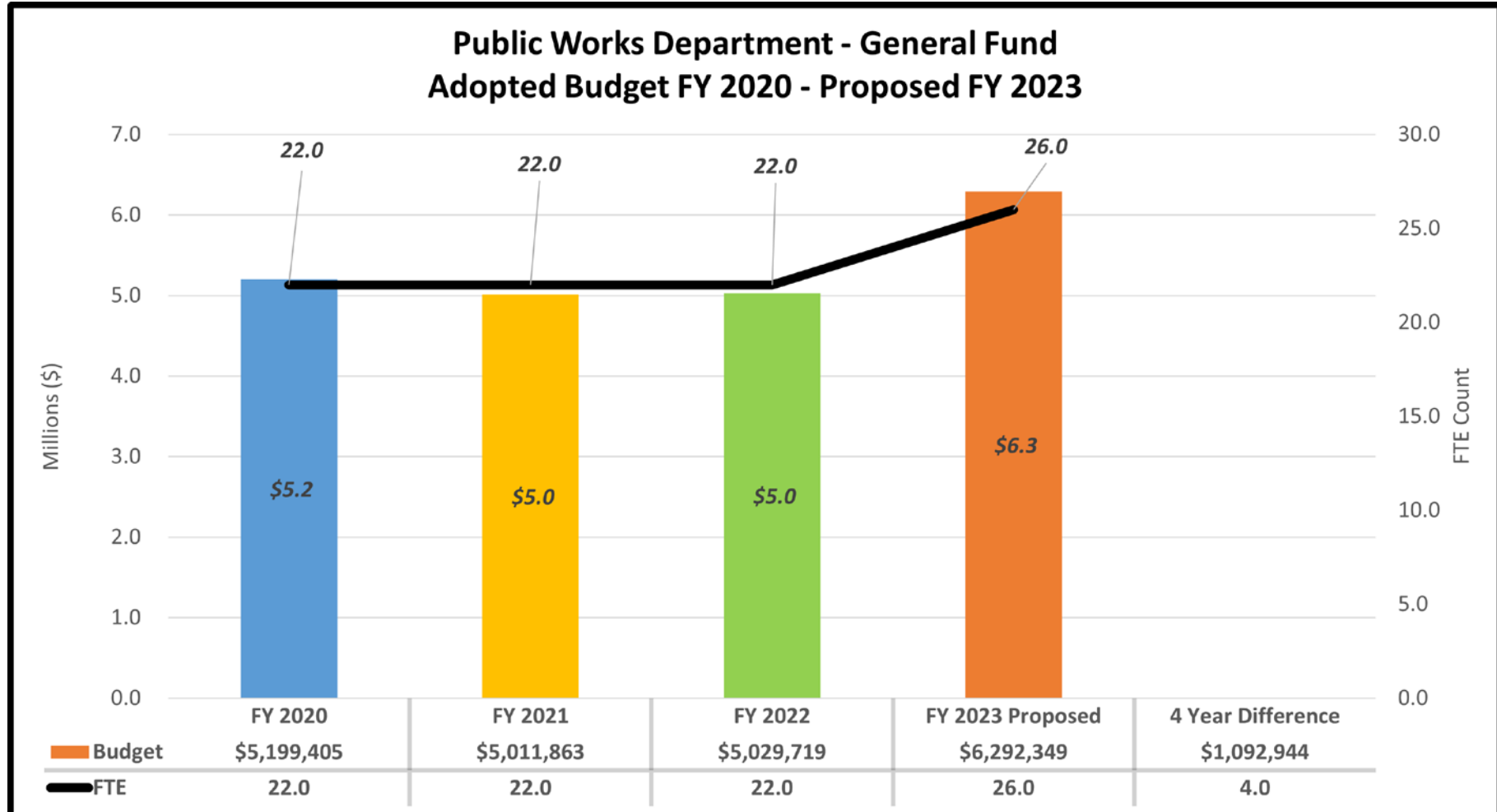


# Office of Management and Budget (OMB)

*FY 2023 Public Works  
Budget / CIP Highlights*



# Four Year History Public Works General Fund



# General Fund

## Major New Initiatives

### FY 2021

- N/A

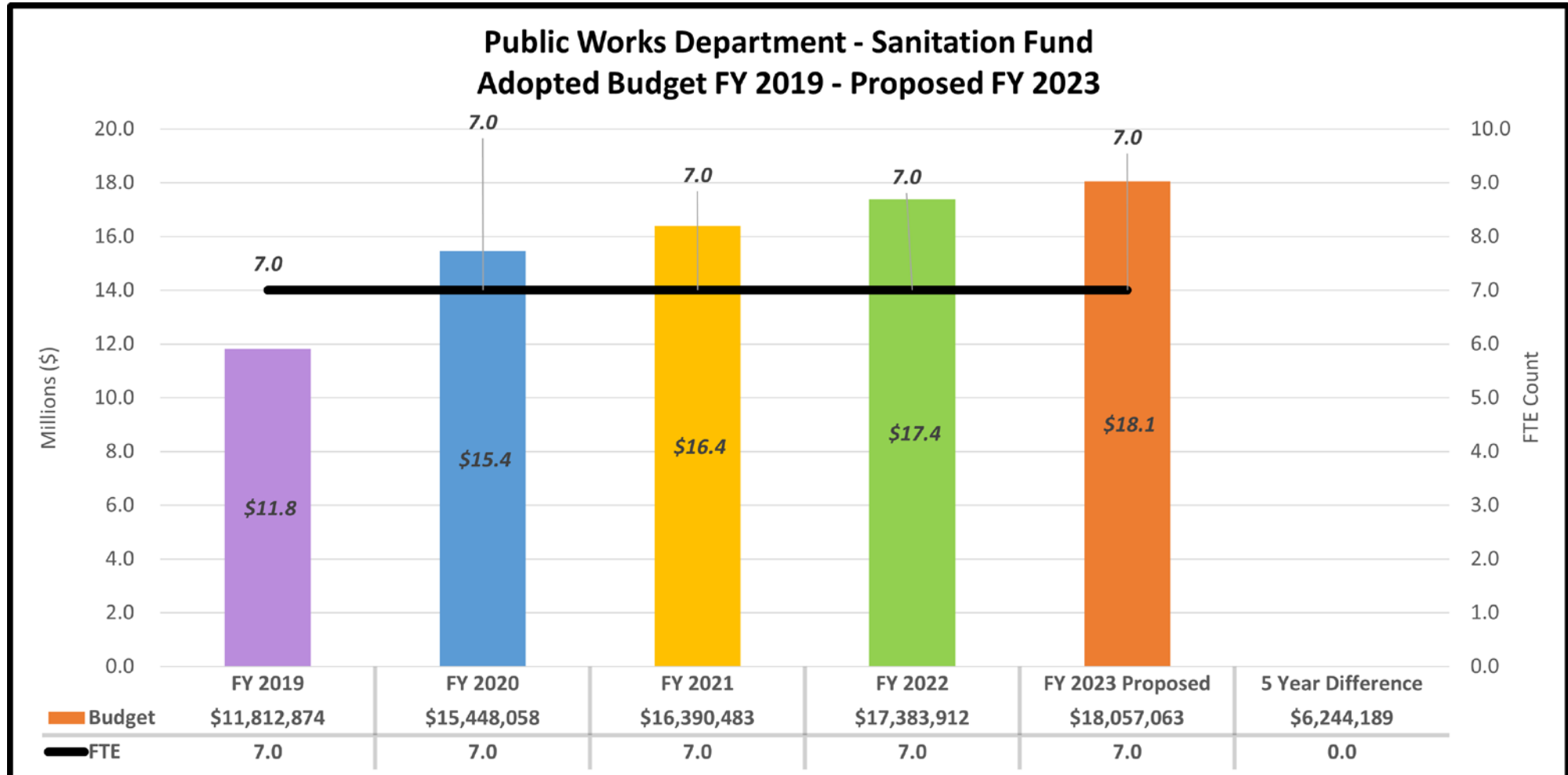
### FY 2022

- N/A

### FY 2023

- Roadmap to Net Zero Carbon Emissions Plan (\$150,000)
- Sidewalk Master Plan Gap Assessment (\$180,000)
- Citywide Pavement Condition Assessment for Roads, Sidewalks, and Alleyways (\$510,000)
- Additional Staffing (5 FTEs) for the Roadway Maintenance Team (\$500,477, Ongoing)

# Five Year History Public Works Sanitation Fund



# Sanitation Fund

## Major New Initiatives

### FY 2021

- Curbside recycling collections program (\$342,000, Ongoing)

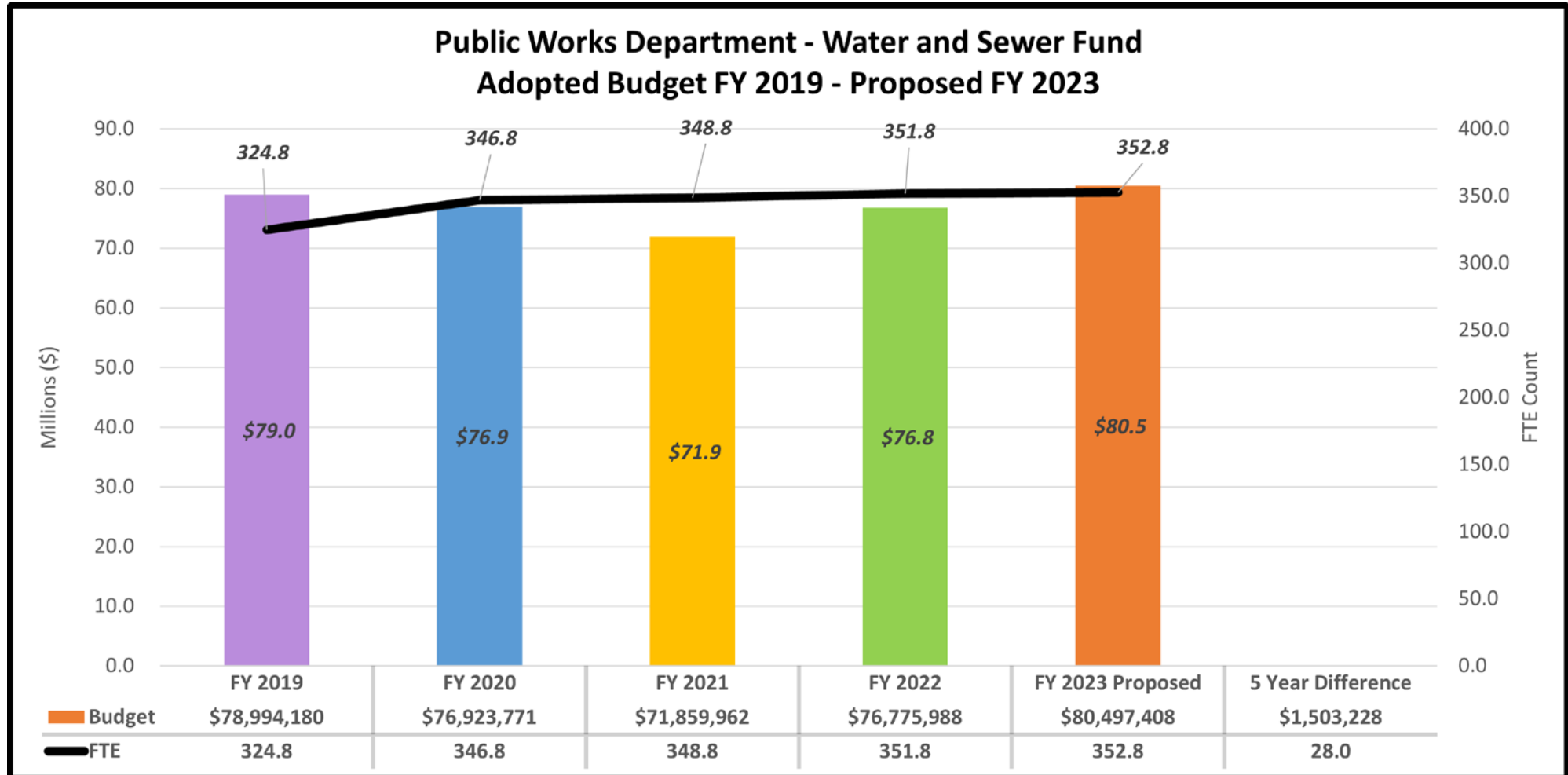
### FY 2022

- Groundwater Monitoring and Methane Abandonment at Wingate Landfill (\$20,000)

### FY 2023

- N/A

# Five Year History Public Works Water and Sewer Fund



# Water and Sewer Fund

## Major New Initiatives

### FY 2021

- Leak Detection Program (\$150,000)
- Professional Services for new Fiveash Water Treatment Plant (\$250,000)
- Waterway Quality Monitoring (\$100,000, Ongoing)

### FY 2022

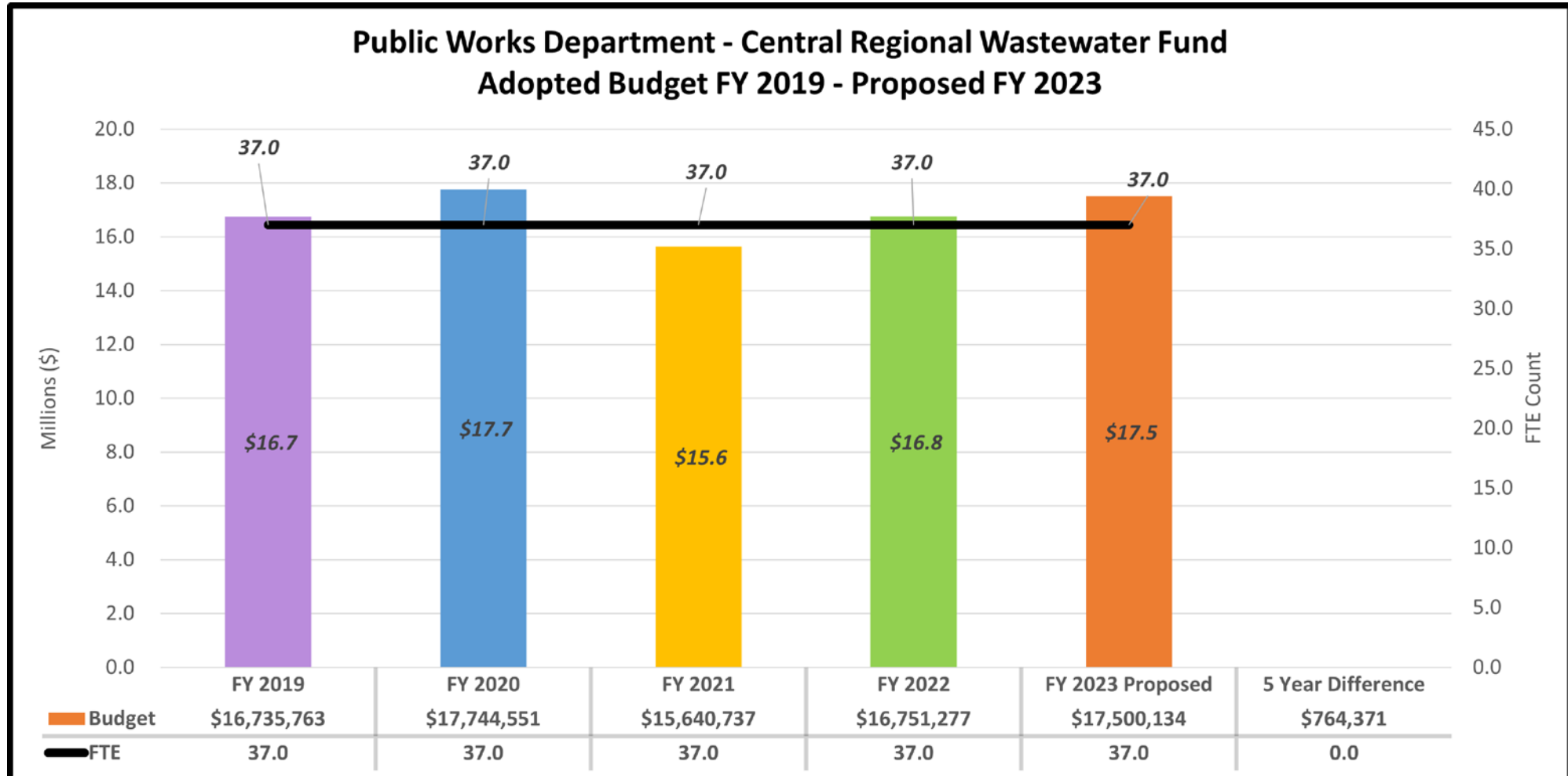
- Annual Utilities Repair Funding Increase (\$2,200,000, Ongoing)
- Valve Maintenance Services (\$500,000, Ongoing)

### FY 2023

- Cooperative Study with Broward County for a Variable Density Model (\$81,107)
- Additional Water Distribution System Maintenance (Vactor) Truck (\$438,531)

# Five Year History

## Public Works Central Regional Wastewater Fund



# Central Regional Wastewater System Fund

## Major New Initiatives

### **FY 2021**

- FY 2021

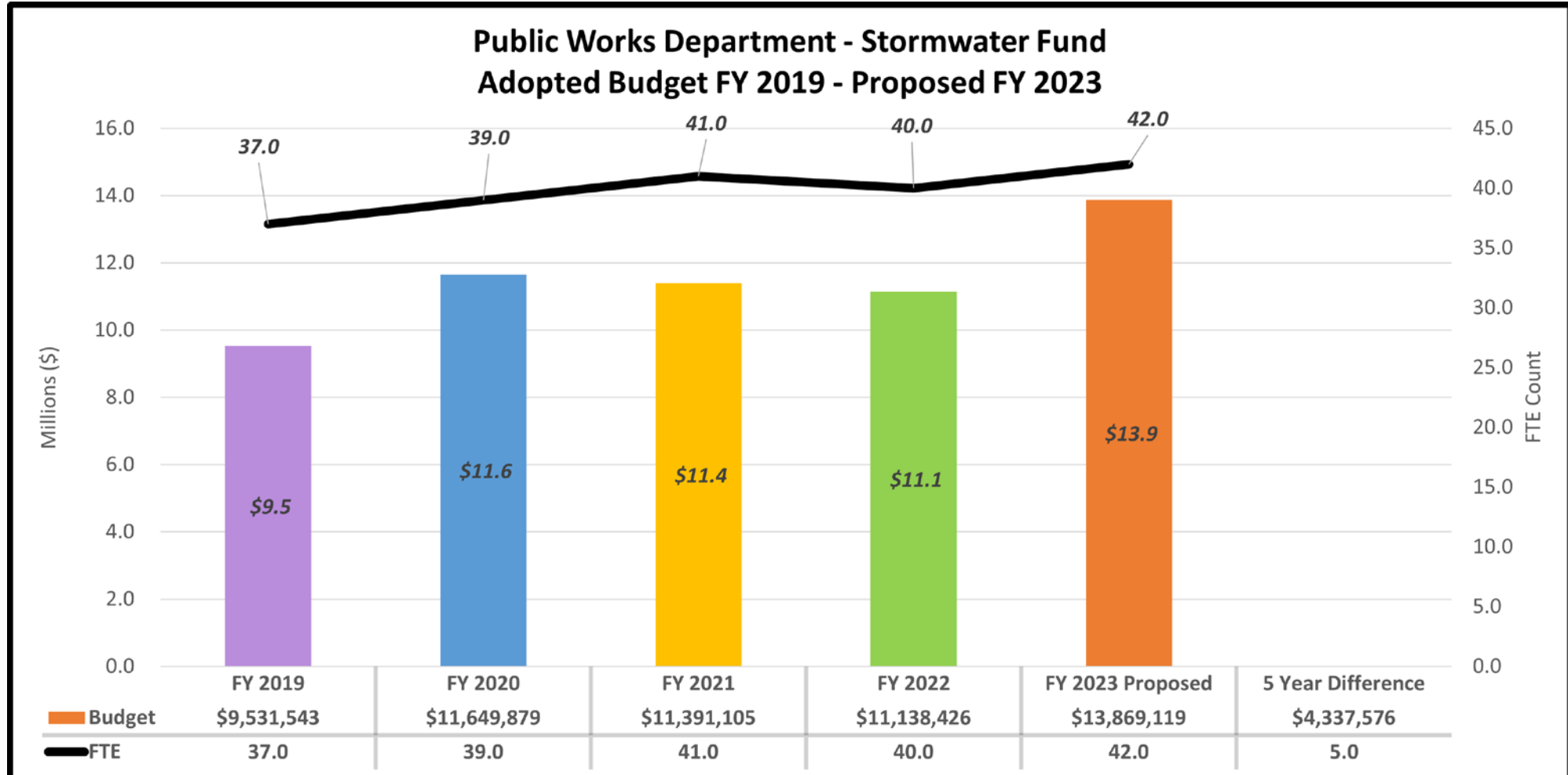
### **FY 2022**

- Comprehensive Re-evaluation Study of Industrial Pretreatment Local Limits for GTL Wastewater (\$150,000)

### **FY 2023**

- N/A

# Five Year History Public Works Stormwater Fund



# Stormwater Fund

## Major New Initiatives

### FY 2021

- Citywide Stormwater Model (\$50,000)

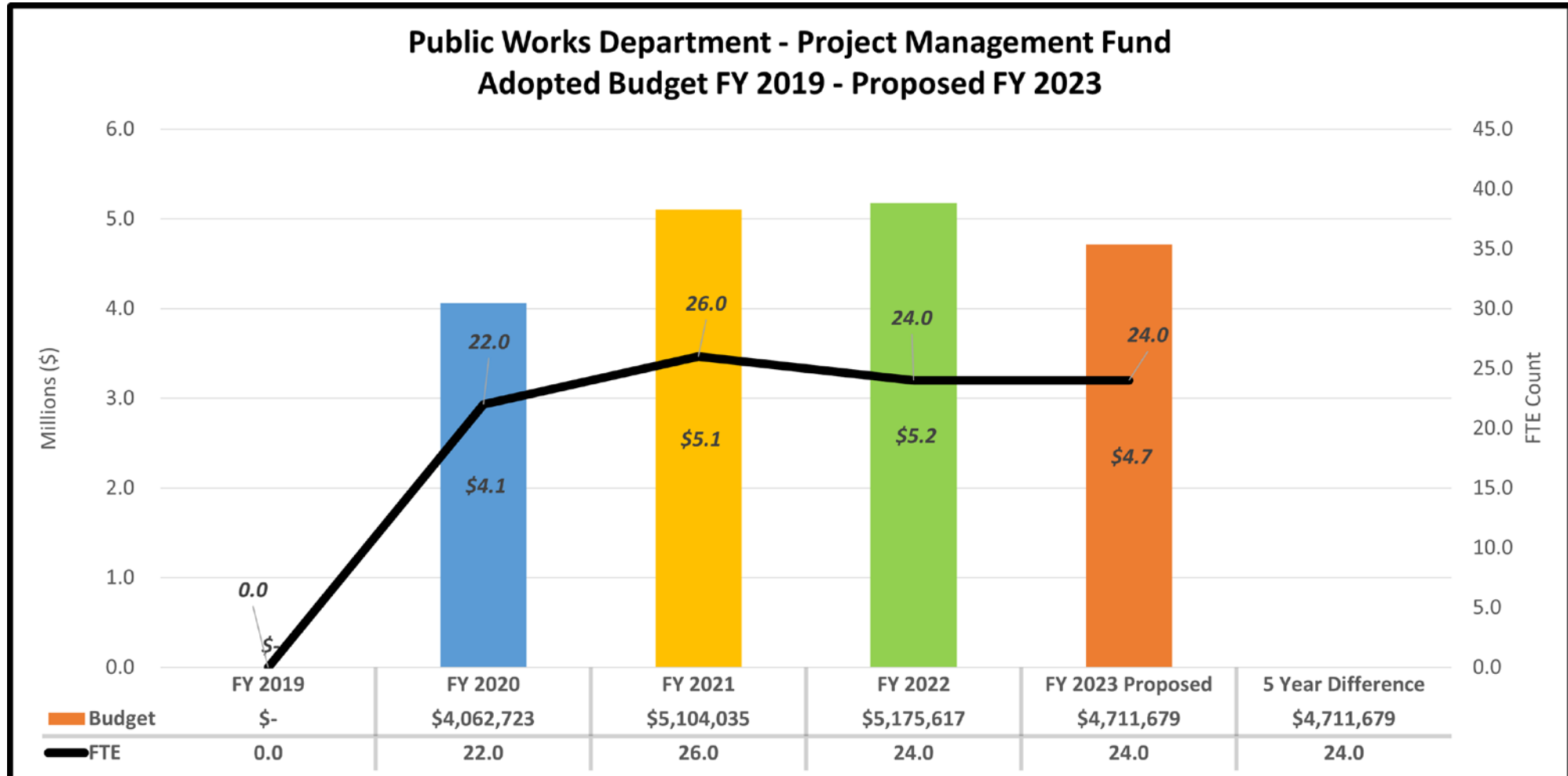
### FY 2022

- Pilot Algal Bloom Mitigation Project Implementation (\$150,000)
- Waterway Quality Improvement Initiatives (\$113,000, Ongoing)

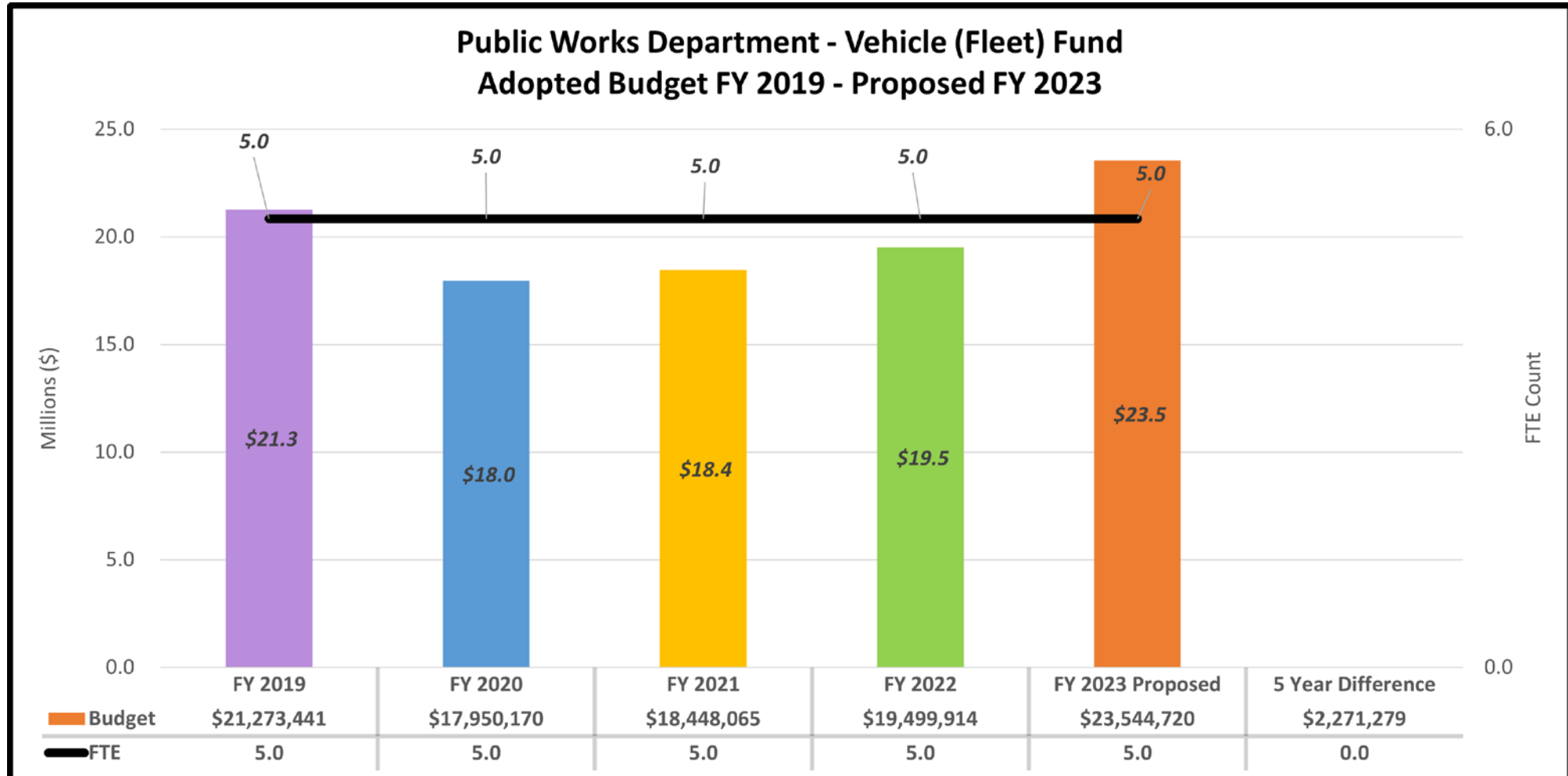
### FY 2023

- New Stormwater Operations Supervisor (\$149,475, Ongoing)
- Maintenance Activities for the Melrose Park Stormwater Drainage Conveyance System (\$280,000, Ongoing)
- River Oaks Stormwater Preserve Maintenance Activities (\$112,000, Ongoing)
- Increase in Annual Funding for Stormwater Infrastructure Repairs (\$475,000, Ongoing)

# Five Year History Public Works Project Management Fund



# Five Year History Public Works Vehicle Rental (Fleet) Fund



# Vehicle Rental (Fleet) Fund

## Major New Initiatives

### FY 2021

- N/A

### FY 2022

- N/A

### FY 2023

- Large Vehicle Detailing and Wash Service (\$25,400, Ongoing)
- Purchase of Harley Davidson Police Vehicles (\$402,000, Ongoing)

# Tentative FY 2023-2027 Community Investment Plan

Fund	FY 2023 Amount
Housing and Community Development/Misc/Transportation Surtax Grants	\$10,256,926
General Fund	\$27,766,528
Gas Tax	\$1,000,000
Parks Bond	\$60,000,000
Sanitation Fund	\$1,800,000
Central Region Wastewater Fund	\$15,107,144
Water/Sewer Fund	\$18,059,689
Parking Fund/Arts and Sciences District Garage	\$5,124,150
Airport Fund	\$1,295,096
Stormwater Fund	\$3,781,913
Stormwater Bond Fund	\$130,000,000
Water/Sewer Master Plan Fund/Water/Sewer Regional Master Plan Fund	\$200,000,000
Water Meter Replacement Fund	\$30,000,000
Vehicle Rental Fund	\$100,000
FAA/FDOT	\$10,537,141
<b>TOTALS</b>	<b>\$514,828,587</b>

# Tentative FY 2023-2027 Community Investment Plan-General Fund, Gas Tax Fund, and Community Development Block Grant Funds

The FY 2023 Community Investment Plan includes \$27.7 million in General Funds, \$1.0 million in Gas Tax Funds, and \$500,000 in Community Development Block Grant Funds to address the most pressing general infrastructure needs of our community.

- \$4.1 million for the new Fire Station 13 to account for inflationary cost estimates for constructing the new facility
- \$3.6 million for the Restoration and Replacement of Seawalls
- \$3.6 million for bridge repairs and replacements
- \$3.5 million for the repair and replacement of roadways and sidewalks
- \$3.1 million for the new Fire Station 88, in the region south of Broward Boulevard
- \$3.1 million for paving and mobility improvements along Las Olas Boulevard
- \$2.5 million for the Galt Ocean Mile Beautification Project
- \$2.0 million for City Facility Repairs and Replacements
- \$2.0 million for the City's portion of Broward County Segment II Beach Nourishment
- \$1.7 million for inflationary adjustments for capital projects pending contract award
- \$600,000 for the Renovation of Parker Playhouse
- \$500,000 for Streetlight Improvements
- \$300,000 for Streetscapes and Traffic Flow Improvements
- \$307,000 for Lifeguard Tower Replacements
- \$100,000 for ADA compliant bus stops

## Tentative FY 2023-2027 Community Investment Plan-Sanitation Fund, Stormwater Fund, and Vehicle Rental Fund

The FY 2023 Community Investment Plan includes \$1.8 million in Sanitation Funds, \$3.8 million in Stormwater Funds, and \$100,000 in Vehicle Rental Funds to address the most pressing general infrastructure needs of our community.

- \$1.8 million for the Plant A Trash Transfer Station Remediation
- \$1.6 million for Melrose Manors Neighborhood Improvements
- \$487,000 for Bayview Drive from Sunrise Blvd. to Oakland Park Blvd
- \$387,000 for NE 11th Ct and Seminole Drive Stormwater Improvements
- \$371,000 for Drainage Canal Dredging
- \$255,000 for Plant A Stormwater Treatment Facility Upgrades
- \$159,000 for SE 1 & 2 Streets, West of US1 Stormwater Improvements
- \$136,000 for Sailboat Bend Stormwater Improvements
- \$136,00 for Riverland Road Stormwater Improvements
- \$100,000 for EV Charger Installation at City Facilities
- \$90,000 for Holly Heights Drive Stormwater Improvements
- \$90,000 for NE 32<sup>nd</sup> and NE 30<sup>th</sup> Street Stormwater Improvements
- \$75,000 for the Utilities Asset Management System

# Tentative FY 2023-2027 Community Investment Plan-Central Region Wastewater Fund and Water and Sewer Fund

The FY 2023 Community Investment Plan includes \$15.1 million in Central Region Wastewater Funds and \$18.0 million in Water and Sewer Funds to address the most pressing general infrastructure needs of our community.

- \$4.6 million for Coral Ridge Country Club Estates B11 Basin Rehabilitation
- \$4.1 million for Effluent Pipe 54-Inch Force Main Replacement
- \$3.4 million for Tarpon River A-11 Sewer Basin Rehabilitation
- \$2.5 million for GTL Sludge Holding Tank Covers and Roof Replacement
- \$2.5 million for GTL Chlorine Flash Mix Remodel
- \$2.5 million for SE 15<sup>th</sup> Avenue Force Main Replacement
- \$2.3 million for GTL Odor Control Dewatering Building
- \$2.3 million for Program Management of Consent Order Projects
- \$1.4 million for Replacement of 48 to 54 Inch Force Main
- \$1.4 million for Regional Renewal and Replacement
- \$1.3 million for NE 25<sup>th</sup> Ave 24 Inch Force Main Replacement
- \$835,000 for Pumping Station D-34 Emergency Generator Replacement
- \$830,000 for Public Works Admin Building Generator Replacement
- \$750,000 for Fiveash WTP Filters Rehabilitation
- \$711,000 for Fiveash WTP Disinfection Improvements
- \$609,000 for North New River Drive East
- \$380,000 for FEC Railway Watermain Replacement
- \$300,000 for GTL Reactor Rehabilitation
- \$250,000 for SW 29<sup>th</sup> Street Small Watermain Improvements
- \$250,000 for Deepwell Mechanical Integrity Testing and Pipe Replacement
- \$250,000 for Poinsettia Drive Small Watermain Improvements
- \$250,000 for New Pumping Station Flagler Village A-24
- \$225,000 for Small Water Main Abandonment-SE 25<sup>th</sup> Street
- \$200,000 for GTL PLC Control Panels Upgrade
- \$147,000 for Utilities Asset Management System
- \$143,000 for C-51 Reservoir
- (\$1.4 million) for NE 25<sup>th</sup> Avenue 24" Force Main Replacement



# Update on Police Station

The background image shows a vibrant city park scene. In the foreground, a large, multi-tiered fountain with numerous water jets is in full operation. Behind the fountain, a lush green lawn is visible. In the mid-ground, there are several trees, including a prominent palm tree on the left. The background features a tall, modern skyscraper with a blue glass facade, partially obscured by the fountain's structure. To the left of the skyscraper, a smaller, multi-story building with a light-colored facade and many windows is visible. The sky is a clear, bright blue.

City Commission Workshop  
- Joint with BAB, June 21,  
2022 11:30 AM

[Click the above for Video](#)



**Fort Lauderdale, FL**

**FY 2023 Long-Term  
Financial Plan**



## **Why We Do This:**

- Ensure long term plan is in place to implement policy goals and demonstrate how the planning process supports policy goals
- Plan for future requirements & changes to ensure long-term financial sustainability
- Identify short-term and long-term impacts of current-year decisions
- Provide a framework for scenario evaluation and sensitivity tests
- Provide a framework for continuous improvement
- True-up prior year assumptions based on current conditions

## **Who is involved in the development process:**

- City Manager
- Department Directors, Deputy/Assistant Directors
- Key staff with knowledge of future operational/capital changes and requirements (i.e., Building Official, Stormwater Operations Manager, Business Managers)
- Office of Management and Budget and Finance staff



## **Source Data & Key Assumptions:**

- FY 2021 Audited Financials
- FY 2022 Amended Budget & FY 2023 Draft Budget (6/2) With Decision Packages
- FY 2022–FY 2026 Community Investment Plan, adjusted for notable changes
- Reflects current expenditure and revenue trends
- Governmental Facility \$10M all funds annual impact beginning in FY 2026 (this will be updated once we have updated information of the new path forward)



# Financial Forecasts

General Fund

Building

Sanitation

Water & Sewer

Stormwater

Parking

Airport

Regional Sewer



# 1. General Fund



# Key Planning Observations & Considerations

## **Fire Assessment:**

- Full cost recovery true-up every 3 years (study in progress for FY 2023)
- More EMS stations and inflation pressure assumed to offset – no increases for current or future years

## **Community Redevelopment Areas (CRAs):**

- Northwest Progresso Flagler Heights CRA sunsets in FY 2026
  - Tax Increment Financing (TIF) transfer from the General Fund ends (\$6M)
  - \$350K increase in operating expenses expected in the General Fund

## **City's Annual Required Pension Contribution:**

- Planning for increased pension cost from the Police and Fire Pension Plan due to lower assumed rates of return in FY 2022-FY 2027 (\$1.2 - \$3M / yr.)

## **New EMS Substation 88 & Las Olas Downtown Garage Fire Rescue**

- \$2M added in FY 2024 for staffing/vehicles for each station (\$4M in total)



# Key Planning Observations & Considerations

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## **Government Center:**

- \$6.0M added annual expense beginning in FY 2026

## **2022 Taxable Value Increase of 13% over 2021**

## **Las Olas Marina Revenue:**

- Increase in base rent of \$450k starting in FY 2025
- Revenue sharing starting at \$300k in FY 2025 to \$1.2M in FY 28

## **Bahia Mar Annual Revenue:**

- \$1.5M near-term revenue reduction (24-26); \$17-23M increase starting in FY 27

## **ARPA Funds:**

- \$16.2M in FY 22 and \$20M in FY 23 (one-time revenue not for recurring needs)

## **FPL Revenue Increases Starting in FY 2023:**

- \$3.4M in Franchise Fees and \$1.2M in Utility Taxes

# General Fund FAMS Model



## City of Fort Lauderdale, FL - General Fund



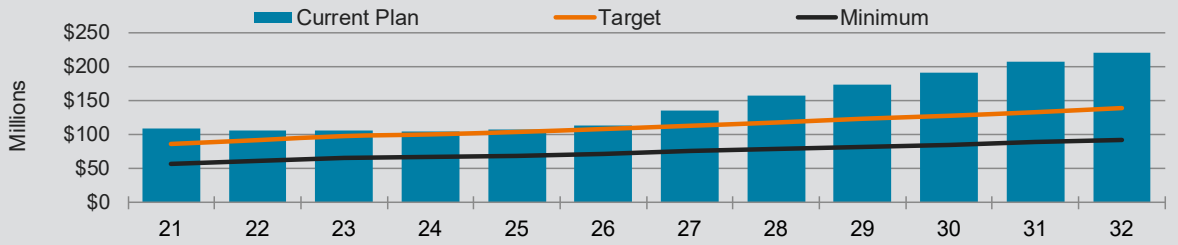
CALC SAVE LAST CTRL OVR

**No Millage Increases**

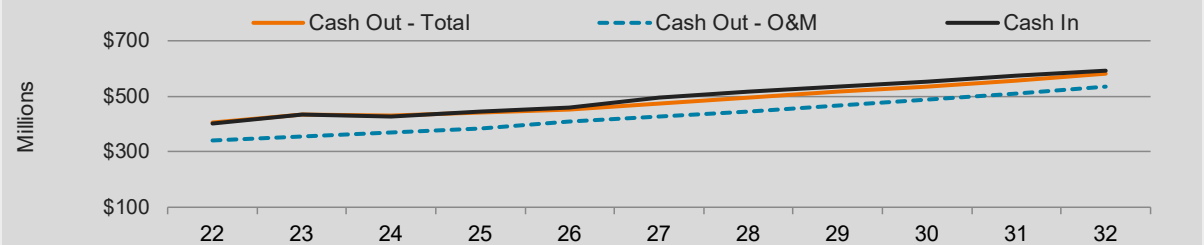
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032
Millage Rate	4.1193	4.1193	4.1193	4.1193	4.1193	4.1193	4.1193	4.1193	4.1193	4.1193	4.1193
Taxable Value Increase	5.75%	12.94%	7.0%	6.5%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Cash Flow Surplus/(Deficit) \$M	\$ (3.50)	\$ 0.00	\$ (0.94)	\$ 2.91	\$ 6.36	\$ 22.05	\$ 21.44	\$ 16.68	\$ 17.60	\$ 15.93	\$ 12.17
End of Year Fund Balance \$M	\$ 105.33	\$ 105.32	\$ 104.39	\$ 107.30	\$ 113.66	\$ 135.71	\$ 157.15	\$ 173.83	\$ 191.43	\$ 207.35	\$ 219.53
Target Fund Balance \$M	\$ 91.86	\$ 97.82	\$ 100.28	\$ 103.85	\$ 108.20	\$ 112.94	\$ 117.75	\$ 123.28	\$ 127.64	\$ 132.91	\$ 138.98
Balance % of Expenses	28.66%	26.92%	26.02%	25.83%	26.26%	30.04%	33.36%	35.25%	37.49%	39.00%	39.49%
Fire Assessment Increase %	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fire Assessment Revenue \$M	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62	\$ 48.62
Fire Assessment - SF Home	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00	\$ 311.00
CIP Execution %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CIP Input \$M	\$ 20.07	\$ 26.72	\$ 16.67	\$ 14.45	\$ 10.64	\$ 10.83	\$ 16.00	\$ 16.00	\$ 16.00	\$ 16.00	\$ 16.00

Taxable Value Status Quo  
 Fire Assmnt Yr. FY 2023  
 FY22 Decision Pa N  
 Gov. Center Y  
 Override? Y

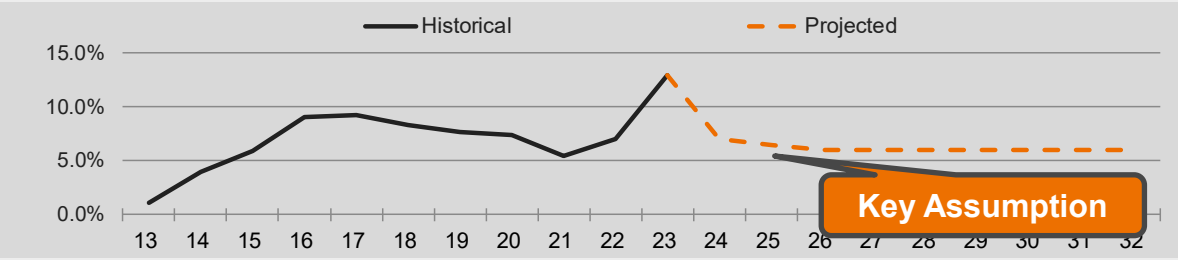
**End of Year Fund Balance**



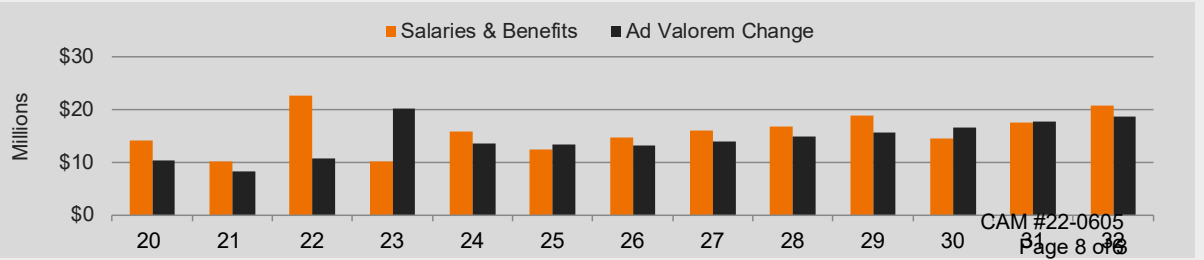
**Revenues vs. Expenses**



**Historical Change in Taxable Value**



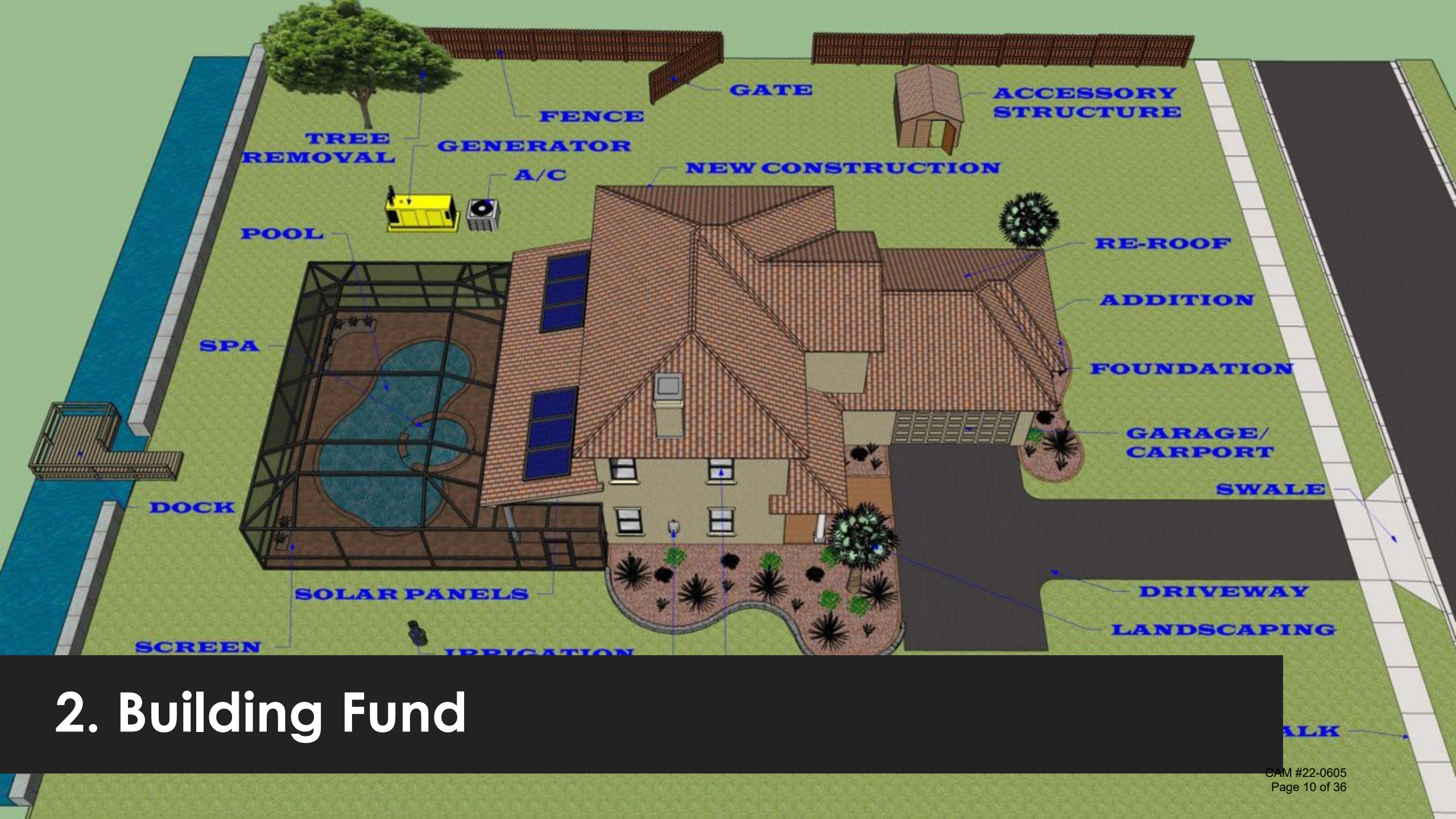
**Growth in Salaries vs. Property Tax Revenues**





# Millage Comparison

Broward County	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Cumulative % Change (15 Years)
Weston	1.3215 ▼	1.5235 ▲	1.7670 ▲	2.0000 ▲	2.0000	2.0000	2.0000	2.3900 ▲	2.3900	2.3900	2.3900	3.3464 ▲	3.3464	3.3464	3.3464	3.3464	153.2%
Coral Springs	3.3651 ▼	3.3651	3.8866 ▲	4.3559 ▲	4.3939 ▲	4.5697 ▲	4.5697	4.5697	4.7982 ▲	4.7982	5.8732 ▲	5.8732	5.8732	5.8732	5.8732	6.0232 ▲	79.0%
Lauderhill	4.7340 ▼	5.0646 ▲	5.9574 ▲	5.9574	6.8198 ▲	7.4198 ▲	7.3698 ▼	7.3698	7.5898 ▲	7.5898	7.5898	7.9898 ▲	8.9898 ▲	8.4898 ▼	8.4898	8.1999 ▼	73.2%
Hillsboro Beach	2.1938 ▼	2.6121 ▲	2.9600 ▲	3.3900 ▲	3.3900	3.3900	3.3900	3.3900	3.5000 ▲	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	59.5%
Lauderdale Lakes	5.4309 ▼	5.7622 ▲	6.5500 ▲	7.0000 ▲	9.5000 ▲	9.5000	9.5000	8.9500 ▼	8.5000 ▼	8.5000	8.5000	8.6000 ▲	8.6000	8.6000	8.6000	8.6000	58.4%
Pompano Beach	3.2788 ▼	3.4861 ▲	4.0652 ▲	4.4077 ▲	4.7027 ▲	4.9700 ▲	4.8712 ▼	4.7470 ▼	4.9865 ▲	4.8252 ▼	4.9865 ▲	5.1361 ▲	5.1875 ▲	5.1875	5.1875	5.1875	58.2%
Plantation	3.9155 ▼	4.0925 ▲	4.5142 ▲	4.5142	4.6142 ▲	5.6142 ▲	5.6142	5.7500 ▲	5.9000 ▲	5.9000	5.7500 ▼	5.8000 ▲	5.8000	5.8000	5.8000	5.8000	48.1%
Coconut Creek	4.3796 ▼	4.8869 ▲	5.6837 ▲	6.4036 ▲	6.3857 ▼	6.3250 ▼	6.3250	6.2301 ▼	6.1803 ▼	6.1370 ▼	6.5378 ▲	6.5378	6.5378	6.5378	6.5378	6.4463 ▼	47.2%
Tamarac	5.0496 ▼	5.3215 ▲	5.9999 ▲	6.5000 ▲	6.6850 ▲	7.2899 ▲	7.2899	7.2899	7.2899	7.2899	7.2899	7.2899	7.2899	7.2899	7.2899	7.2000 ▼	42.6%
Hallandale Beach	4.9818 ▼	4.9818	5.9000 ▲	5.9000	5.9000	5.6833 ▼	5.6833	5.1918 ▼	5.1918	5.1918	5.3093 ▲	6.3191 ▲	7.4074 ▲	7.0000 ▼	7.0000	7.0000	40.5%
Davie	4.1215 ▼	4.2456 ▲	4.8124 ▲	4.8124	4.8122	4.8122	5.0829 ▲	5.0829	5.0819 ▼	5.0799 ▼	5.3220 ▲	5.6270 ▲	5.6270	5.6270	5.6270	5.6250 ▼	36.5%
Pembroke Pines	4.1725 ▼	4.4312 ▲	5.1249 ▲	5.6880 ▲	5.6368 ▼	5.6368	5.6368	5.6368	5.6368	5.6736 ▲	5.6736	5.6736	5.6736	5.6736	5.6736	5.6690 ▼	35.9%
Miramar	5.2975 ▼	5.4797 ▲	6.4654 ▲	6.4654	6.4654	6.4654	6.4654	6.7654 ▲	6.7654	6.7654	6.7654	7.1172 ▲	7.1172	7.1172	7.1172	7.1172	34.4%
North Lauderdale	5.5307 ▼	6.1875 ▲	6.9185 ▲	6.9185	7.4066 ▲	7.6078 ▲	7.6078	7.5000 ▼	7.5000	7.5000	7.4000 ▼	7.4000	7.4000	7.4000	7.4000	7.4000	33.8%
Hollywood	5.7380 ▼	5.6900 ▼	6.0456 ▲	6.7100 ▲	7.4479 ▲	7.4479	7.4479	7.4479	7.4479	7.4479	7.4479	7.4665 ▲	7.4665	7.4665	7.4665	7.4810 ▲	30.4%
West Park	6.5239	6.5239	7.5697 ▲	8.5000 ▲	8.9900 ▲	9.4200 ▲	9.4200	8.9200 ▼	8.6500 ▼	8.6500	8.6500	8.6500	8.5500 ▼	8.5000 ▼	8.5000	8.5000	30.3%
Cooper City	4.7704 ▼	4.7704	4.7704	5.0479 ▲	5.0526 ▲	5.6866 ▲	5.7087 ▲	5.7202 ▲	5.9293 ▲	6.3847 ▲	7.1347 ▲	7.1347	6.9258 ▼	6.2280 ▼	6.2280	6.1250 ▼	28.4%
Margate	5.5591 ▼	6.7500 ▲	7.7500 ▲	7.7500	7.7500	7.5000 ▼	7.3300 ▼	6.2761 ▼	6.3402 ▲	6.4554 ▲	6.5183 ▲	6.5594 ▲	7.1171 ▲	7.1171	7.1171	7.1171	28.0%
Parkland	3.4083 ▼	3.4083	4.0198 ▲	4.0198	4.0198	3.9999 ▼	3.9900 ▼	3.9890 ▼	3.9870 ▼	3.9800 ▼	3.9780 ▼	4.4000 ▲	4.4000	4.2979 ▼	4.2979	4.2979	26.1%
Oakland Park	4.7662 ▼	5.1041 ▲	5.7252 ▲	5.7252	6.0138 ▲	6.3142 ▲	6.3995 ▲	6.3995	6.2744 ▼	6.1995 ▼	6.1555 ▼	6.0985 ▼	5.9985 ▼	6.0880 ▲	6.0880 ▼	5.8890 ▼	23.6%
Deerfield Beach	4.9537 ▼	4.9072 ▼	5.3499 ▲	6.2482 ▲	5.1865 ▼	5.1856	6.2317 ▲	6.2745 ▲	6.1949 ▼	6.0493 ▼	6.0981 ▲	6.1267 ▲	6.0018 ▼	6.0018	6.0018	6.0018	21.2%
Sunrise	5.1232 ▼	5.4397 ▲	6.0543 ▲	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	6.0543	18.2%
Lighthouse Point	3.0887 ▼	3.2822 ▲	3.6188 ▲	3.6188	3.5893 ▼	3.5893	3.5893	3.5893	3.5893	3.5893	3.5893	3.5893	3.5893	3.5893	3.5893	3.5893	16.2%
Wilton Manors	5.1340 ▼	5.3122 ▲	5.8000 ▲	6.0855 ▲	6.2068 ▲	6.2068	6.2166 ▲	6.0683 ▼	6.0683	5.9900 ▼	5.9837 ▼	5.9587 ▼	5.9587	5.9000 ▼	5.9000	5.8360 ▼	13.7%
Dania Beach	5.4044 ▼	5.4044	5.8579 ▲	5.9998 ▲	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	5.9998	11.0%
<b>Fort Lauderdale</b>	<b>4.1193 ▼</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>4.1193</b>	<b>0.0%</b>
<b>Average Millage Rate</b>	<b>4.4755</b>	<b>4.6982</b>	<b>5.2802</b>	<b>5.5458</b>	<b>5.7362</b>	<b>5.8772</b>	<b>5.9197</b>	<b>5.8354</b>	<b>5.8448</b>	<b>5.8485</b>	<b>5.9468</b>	<b>6.0911</b>	<b>6.1743</b>	<b>6.1079</b>	<b>6.1003</b>	<b>6.0817</b>	<b>35.9%</b>



## 2. Building Fund



# Key Planning Observations & Considerations

---

## **House Bill 447 Put New Limits on Fund Balance:**

- May not carry forward an amount exceeding the average of operating budget for the previous 4 fiscal years

**Reduced Operating Fund From \$18.6M in FY 20 to \$8.6M at end of FY 22**

## **Government Center:**

- \$120K in added costs beginning in FY 2026

**Fund has \$18M in Separate Capital Reserve (uses largely identified)**

**Currently Has \$5M Annual Cash Flow Deficit**

**Monitor Fees Periodically and Scale Costs/Resources to Activity Levels**



# Building Fund FAMS Model



Financial Analysis & Management System | By S

## FT. LAUDERDALE - BUILDING

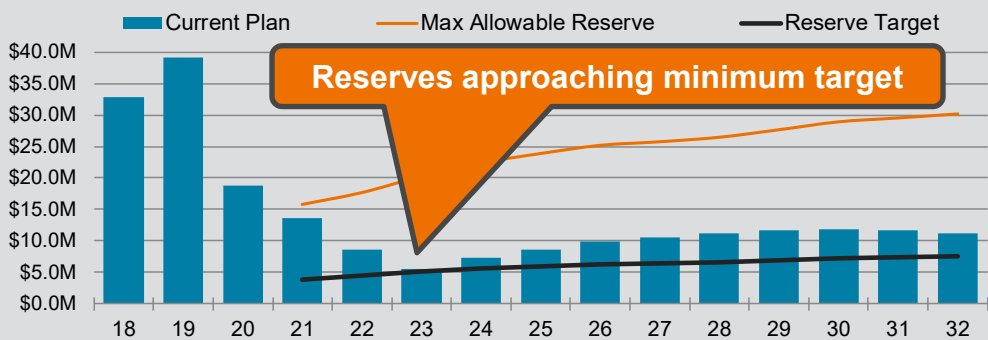


CALC SAVE CTRL LAST OVR

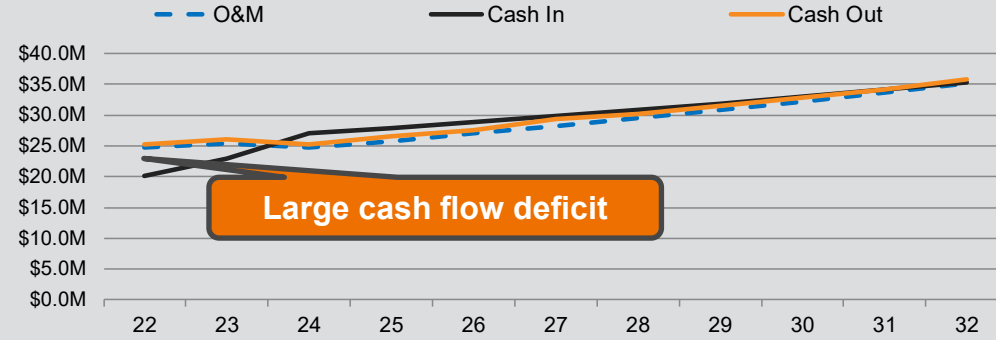
Fee increases needed

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2026	FY 2031
Building Permits Revenue Plan	0.00%	25.00%	20.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	55.50%	73.00%
Other Permits Revenue Plan	0.00%	25.00%	20.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	55.50%	73.00%
Reinspections/Penalties Rev. Plan	0.00%	25.00%	20.00%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	55.50%	73.00%
Combined Fund Cash Flow	(5.01)	(3.04)	1.85	1.37	1.36	0.62	0.74	0.44	0.23	(0.07)	(0.47)	Check	-

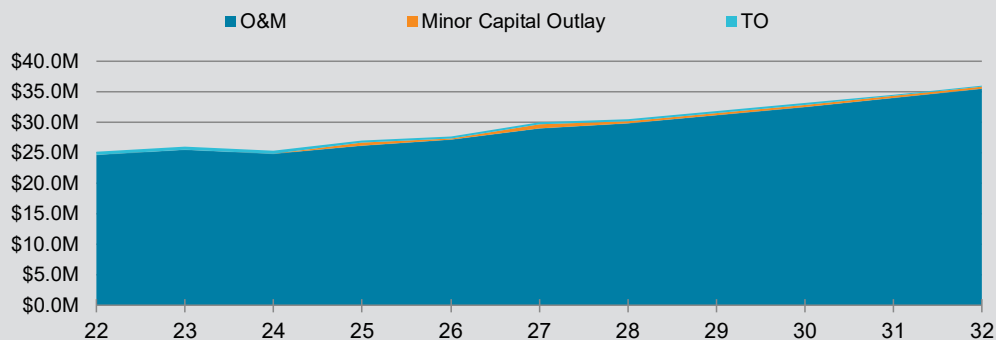
### End of Year Fund Balance



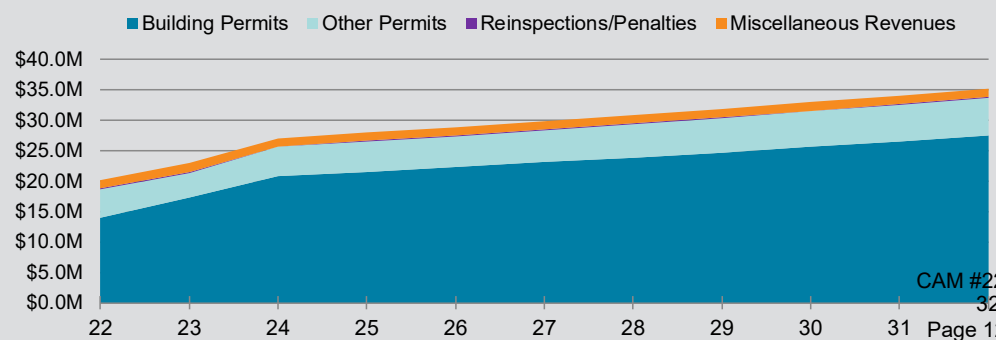
### Revenues vs. Expenses



### Expenses by Type



### Revenues by Type





### 3. Sanitation Fund



# Key Planning Observations & Considerations

---

## **Sanitation Rates:**

- 4% annual increase included in ordinance through FY 2024

## **Sale of Land to Building Fund:**

- \$3M in proceeds in FY 2023 from sale of land

## **Hauler Contracts:**

- FY 2023 will include contract negotiations (July) - major cost reset expected (35%)
- Bulk waste outsourcing as potential offset (annualized savings of \$1M)

## **Reserve Target:**

- Currently minimum is 1.5 months of operating costs
- The City's Target is 3 months (included in projections)

## **Government Center:**

- \$60K in additional annual costs beginning in FY 2026

## **Plant A Remediation Cost of \$1.8M in FY 2023**

- Expenditure is subject to the sale of the Plant A property (only \$0.7M if sold)

# Sanitation Fund FAMS Model



## FT. LAUDERDALE SANITATION FUND



CALC SAVE CTRL LAST OVR

**Large rate increase**

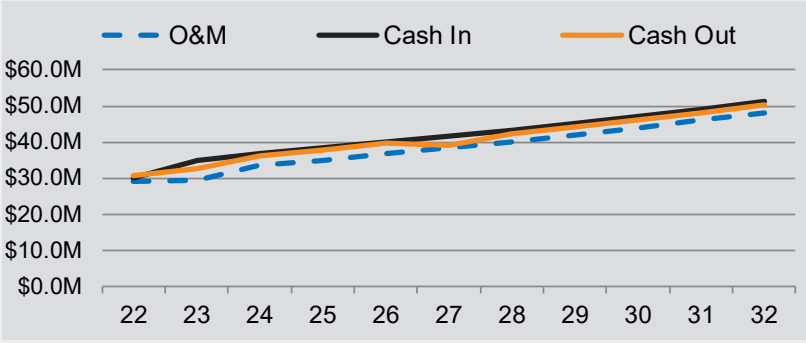
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2026	FY 2031
Rate Plan	0.00%	4.00%	19.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	39.21%	69.37%
Single Family Sanitation Bill	\$44.02	\$45.78	\$54.48	\$56.66	\$58.92	\$61.28	\$63.73	\$66.28	\$68.93	\$71.69	\$74.56	FY24 Con. Adj. 35.00%	Gov. Center Yes
Net Cash Flow	(0.65)	2.07	0.60	0.44	0.24	2.40	0.91	0.83	0.96	0.98	0.90	Plant A Yes	Bulk Offset No

**Key assumptions**

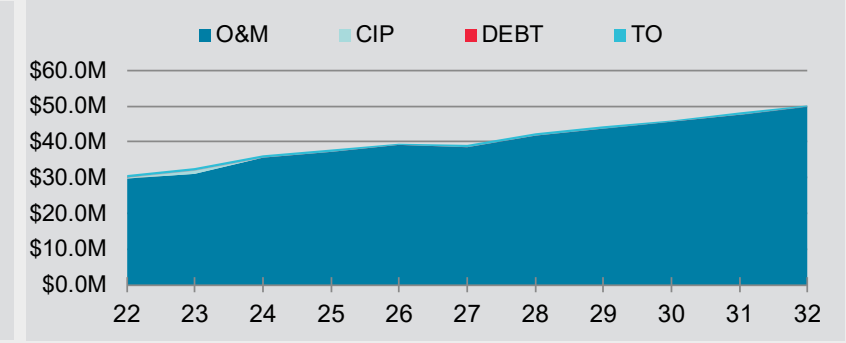
End of Year Fund Balance



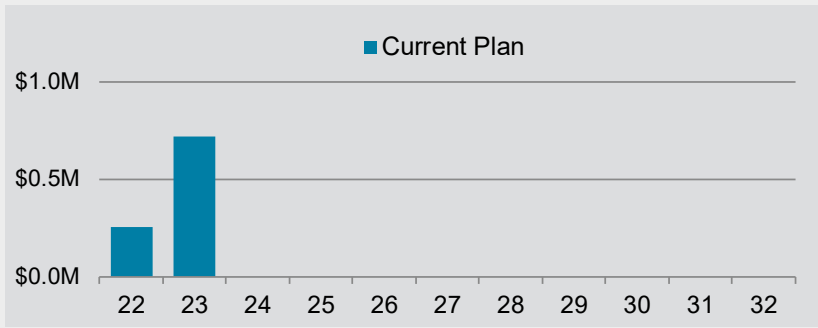
Revenues vs. Expenses



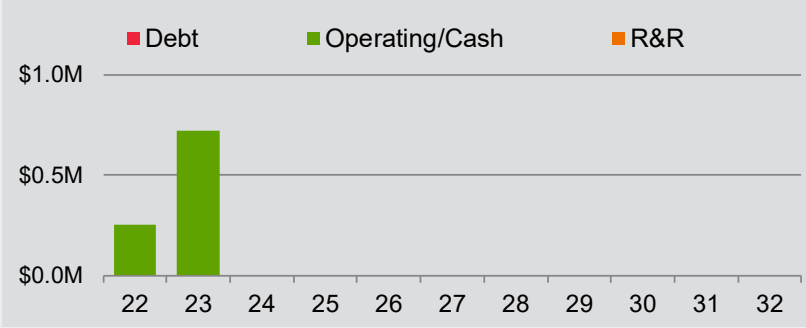
Expenses by Type



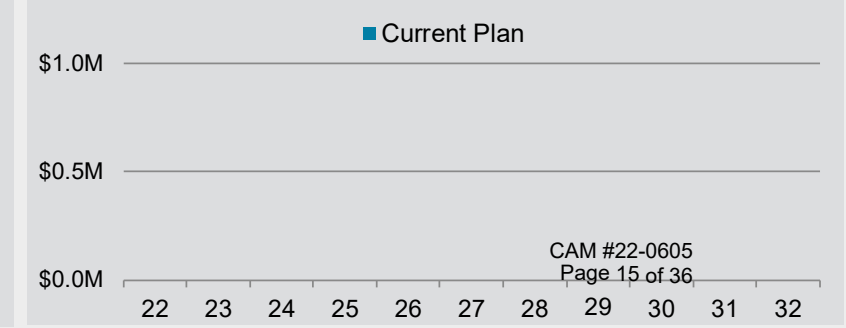
CIP Spending



CIP Funding



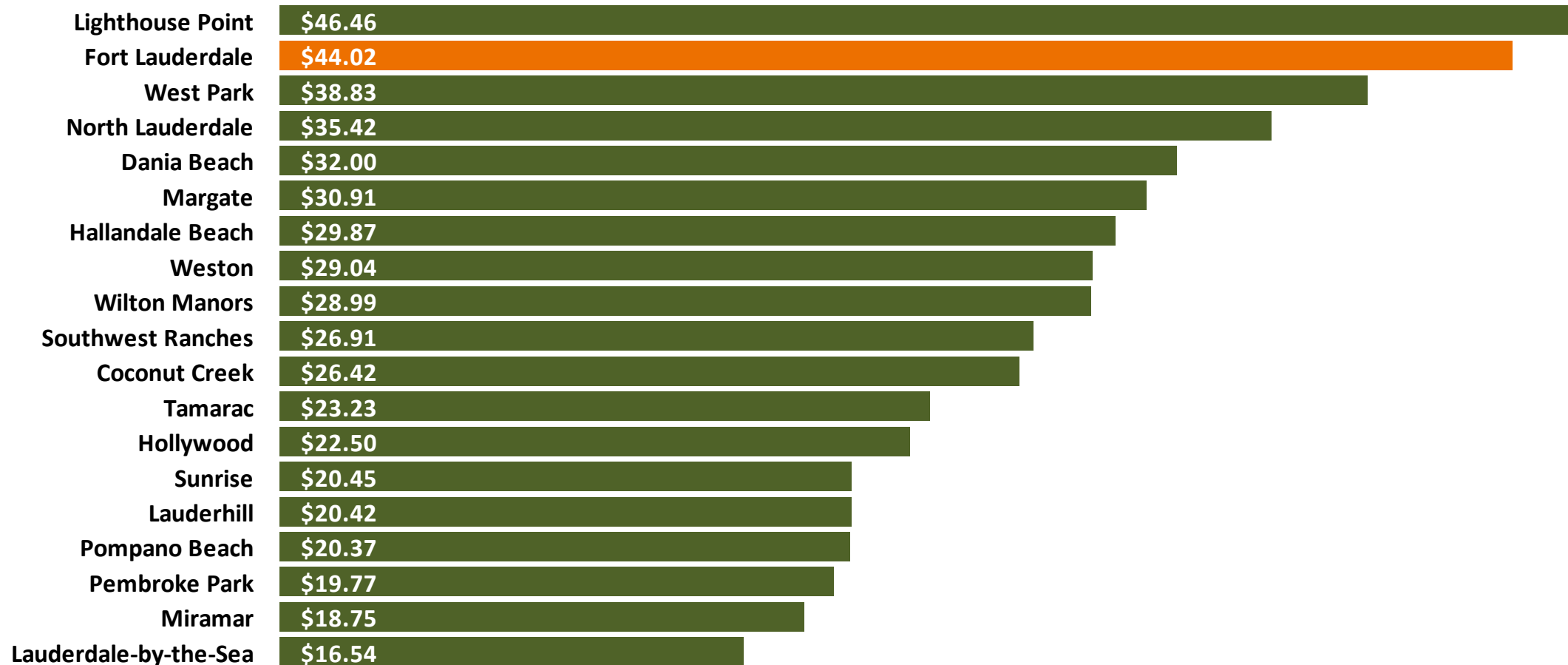
Borrowing





# Residential Bill Comparison

## FY 2022 Monthly Residential Sanitation Bill Survey



**Note: Level of service and types of services included often varies significantly between communities**



## 4. Water & Sewer Fund





# Key Planning Observations & Considerations

---

## **Minimum Reserve Level:**

- Target 3 months of operations and maintenance

## **Capital Investments:**

- Targeting \$20M cash funded capital annually (previously), now up to \$30M
- \$130M bond in FY 2023 & \$200M bond in FY 2028

## **Government Center:**

- \$0.9M added in ongoing costs beginning in FY 2026

## **Advanced Metering Infrastructure (AMI) Costs:**

- \$30M borrowing in FY 2022 (includes annual debt service estimate \$2.5M)
- \$250k in contractual savings starting in FY 2024

## **Oakland Park Adjustments:**

- \$3M write-off in FY 2022; Revenue reduction of \$850k (some future pickups)



# Key Planning Observations & Considerations

## **Prior Study Water Plant ASSUMPTIONS:**

- \$432M bonded in FY 2026 (includes annual debt service estimate \$26M)
- Conceptual annual O&M cost increase of \$16.7M in FY 2029

## **Current Water Plant ASSUMPTIONS:**

- \$7M of needed capital split over FY 2023 and FY 2024
- \$28M annual O&M payment starting in FY 2026
- \$32M annual capital payment starting in FY 2026
  - Working with Financial Advisor to optimize
- Assumes any cost savings would be offset by potential additional charges

**Cost estimates and timing assumptions are still being evaluated and will be updated as discussions continue with potential private partner**



# Water & Sewer Fund FAMS Model



CALC SAVE CTRL LAST OVR



## FT. LAUDERDALE - WATER & SEWER

Larger future rate increases

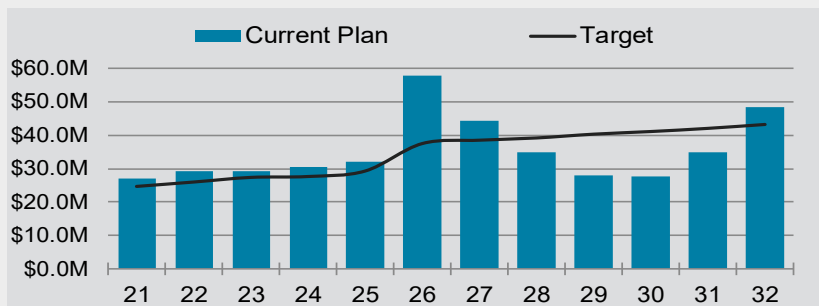
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2027	FY 2032
Water Rate Plan	0.00%	8.60%	11.60%	11.60%	11.60%	11.60%	11.60%	3.60%	3.60%	3.60%	3.60%	68.29%	116.31%
Sewer Rate Plan	0.00%	7.00%	8.00%	8.00%	8.00%	8.00%	8.00%	7.00%	7.00%	7.00%	7.00%	45.60%	106.11%
Senior-Lien DSC	2.18	2.05	2.32	2.60	2.18	2.61	2.55	2.48	2.65	2.82	2.94		
Subordinate DSC	5.67	6.01	8.05	9.79	7.21	11.99	18.64	28.21	31.42	34.61	37.41		
Net Cash Flow	\$2.34	\$0.00	\$1.13	\$1.60	\$25.81	-\$13.64	-\$9.31	-\$6.84	-\$0.27	\$7.26	\$13.38		
Average Bill (5 Kgal)	\$76.35	\$82.13	\$89.81	\$98.21	\$107.42	\$117.50	\$128.59	\$135.80	\$143.45	\$151.56	\$160.19		

Scenario Manager

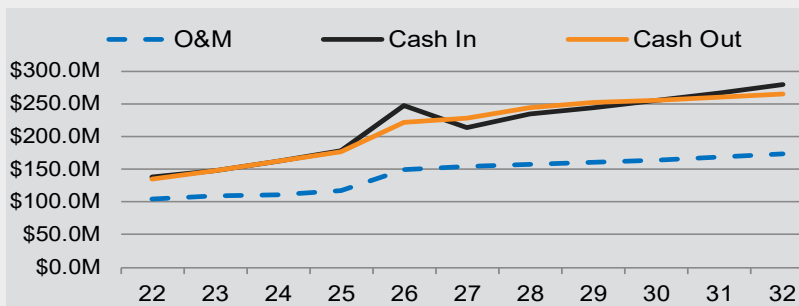
Water Plant

Costs & timing

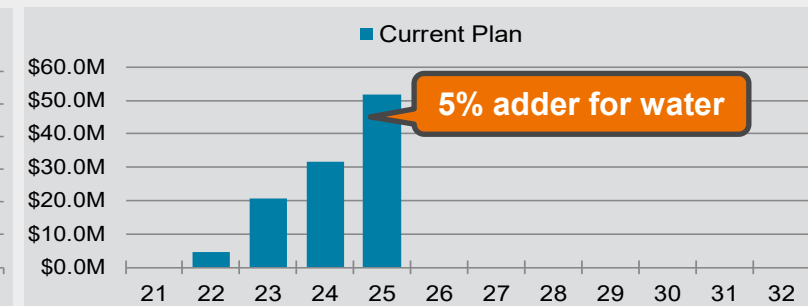
### End of Year Fund Balance



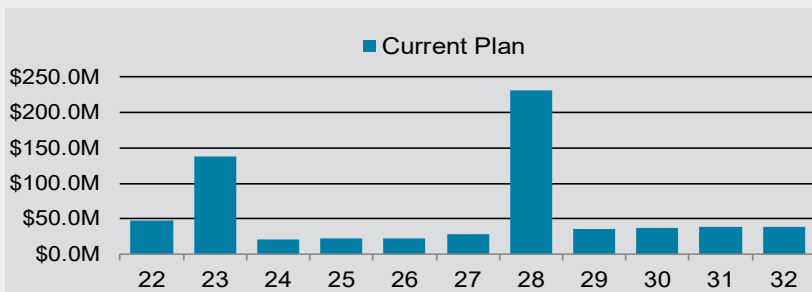
### Revenues vs. Expenses



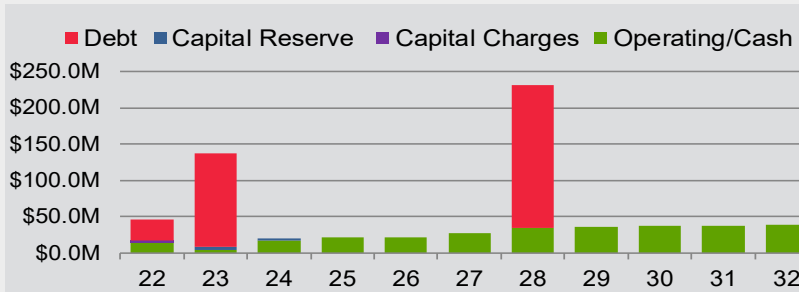
### Capital Reserve



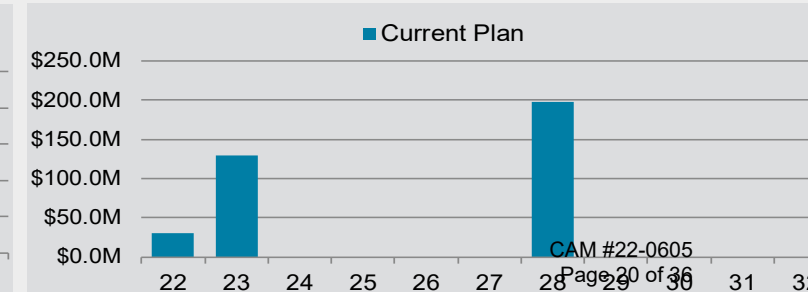
### CIP Spending



### CIP Funding



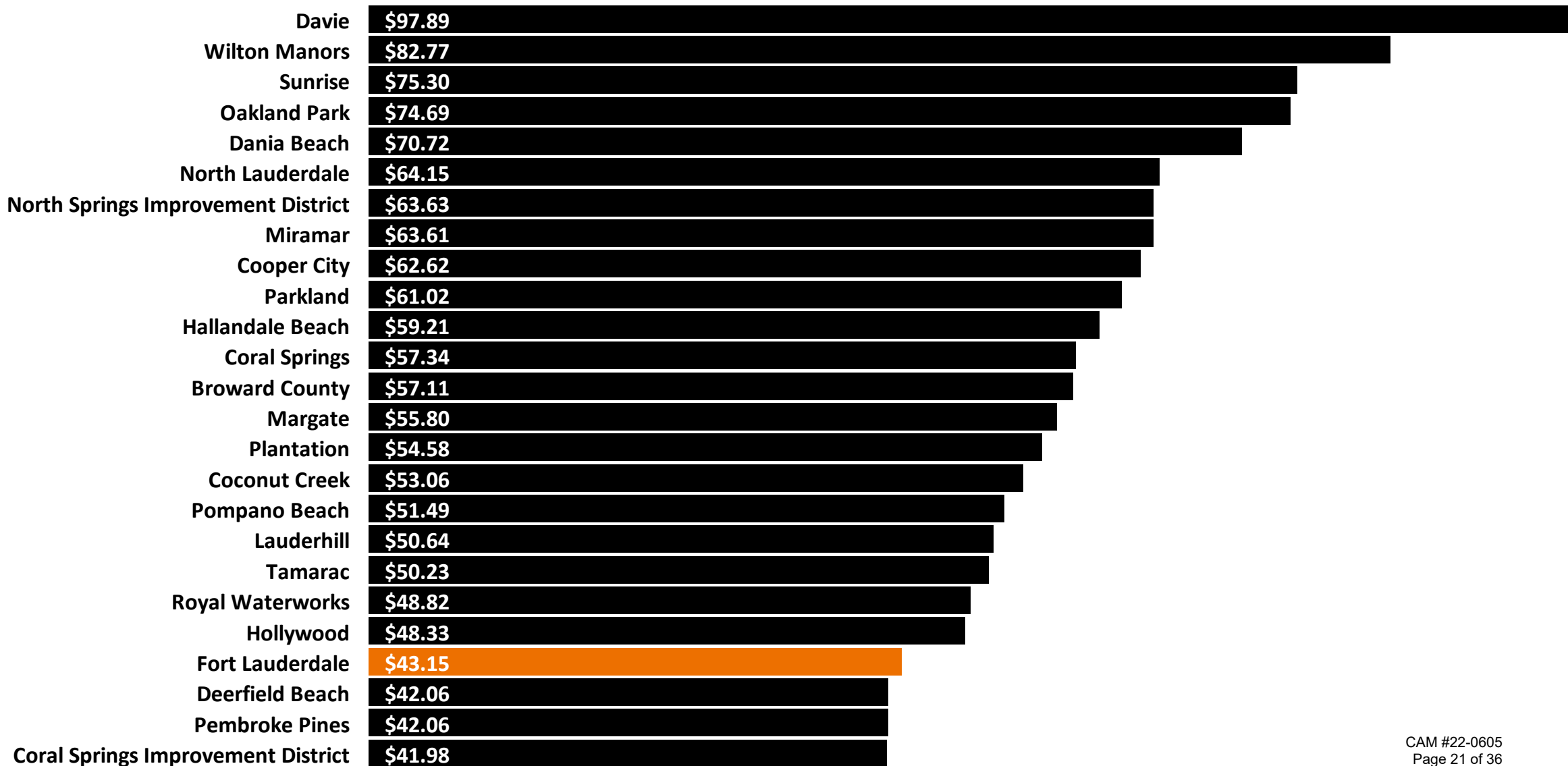
### New Borrowing





# Residential Bill Comparison – Low Volume User

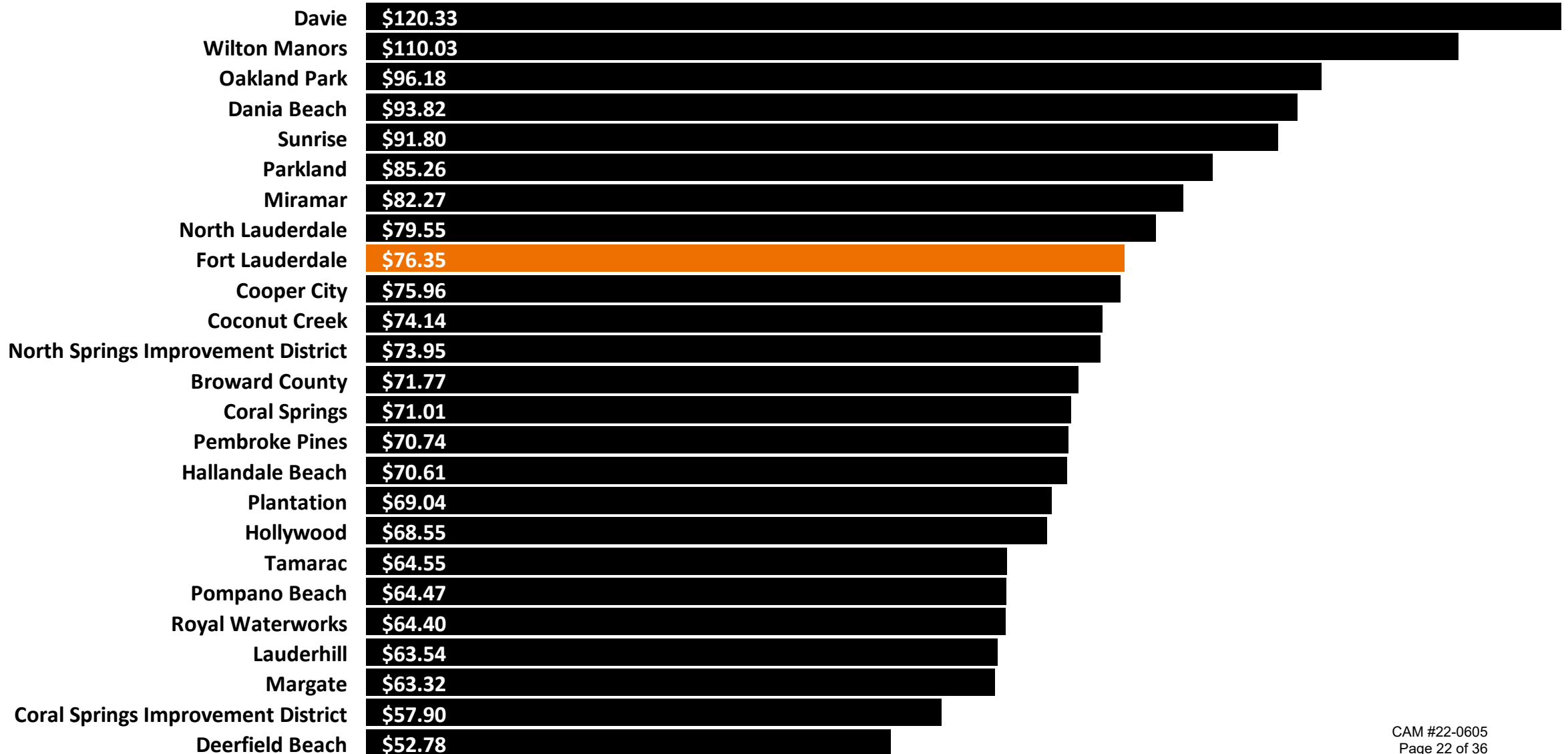
## FY 2022 Combined Water & Sewer Bill Survey at 3,000 Gallons per Month





# Residential Bill Comparison – Typical User

## FY 2022 Combined Water & Sewer Bill Survey at 5,000 Gallons per Month





## 5. Stormwater Fund



# Key Planning Observations & Considerations

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## **Stormwater Bonds (Neighborhood Level Improvements):**

- FY 2023 - \$200M (\$98M WIFIA loan & \$102M revenue bond)
- Interim financing for \$70M until 2023 bonds are issued
- FY 2028 - \$200M

## **Operations and Maintenance Cost:**

- New investments expected to lead to increased O&M
  - Approximately \$1M added each year as a placeholder (FY 2023)
- Government Center \$60K in added annual costs beginning in FY 2026

## **Recurring Capital Investments (Street Level Improvements):**

- Previously targeting \$4M cash funded capital annually during forecast
- Now \$4M in FY 2024 escalating gradually to \$10M per year by 2032
- Master Plan Update of \$4M in FY 2024 (new)



# Stormwater Fund FAMS Model



## FT. LAUDERDALE STORMWATER



Future rate increases needed

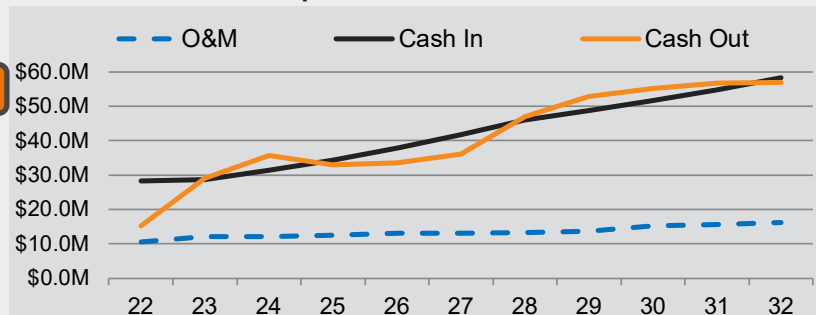
CALC SAVE CTRL LAST OVR

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2026	FY 2031
Stormwater Revenue Plan	0.00%	0.00%	10.00%	10.00%	10.00%	10.00%	10.00%	6.00%	6.00%	6.00%	6.00%	46.43%	103.36%
Senior-Lien DSC	0.00	1.48	1.49	1.70	1.94	2.23	1.43	1.28	1.34	1.43	1.53	Scenario Manager	
Residential Assessment	\$258.26	\$258.26	\$284.10	\$312.50	\$343.78	\$378.17	\$415.95	\$440.95	\$467.41	\$495.50	\$525.20	WIFIA	Yes
Net Cash Flow (\$M)	13.00	(0.41)	(4.44)	1.52	4.28	5.64	(1.09)	(4.12)	(3.50)	(1.84)	1.24		

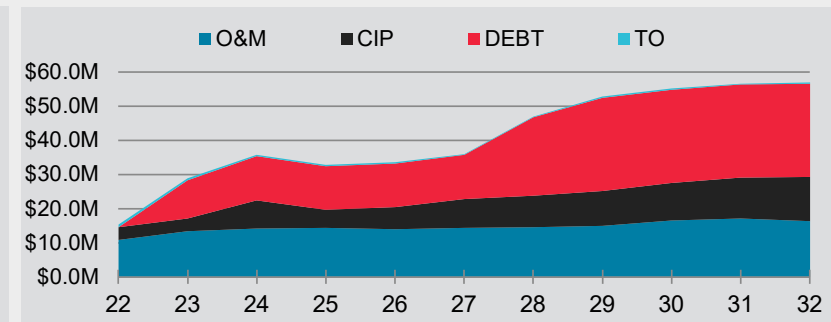
### End of Year Fund Balance



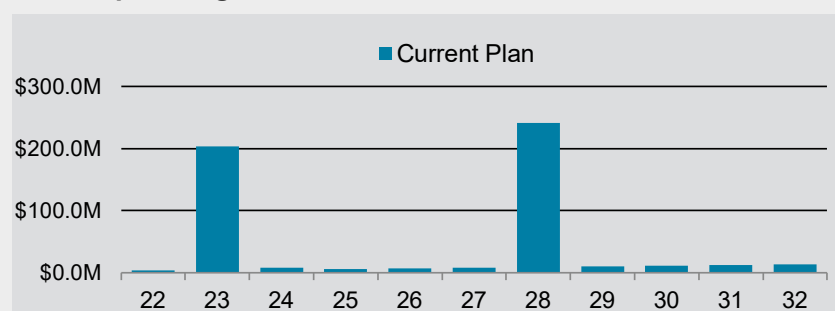
### Revenues vs. Expenses



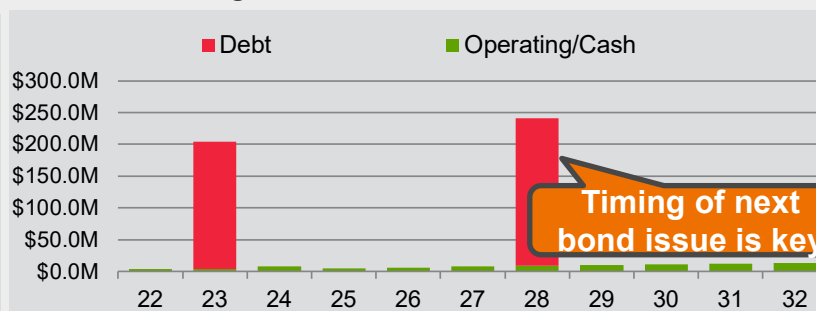
### Expenses by Type



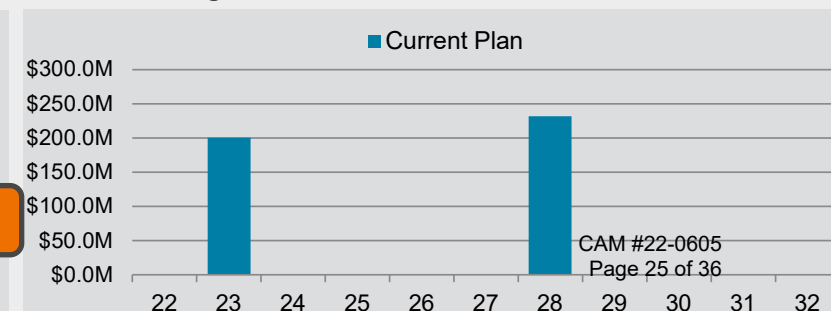
### CIP Spending



### CIP Funding



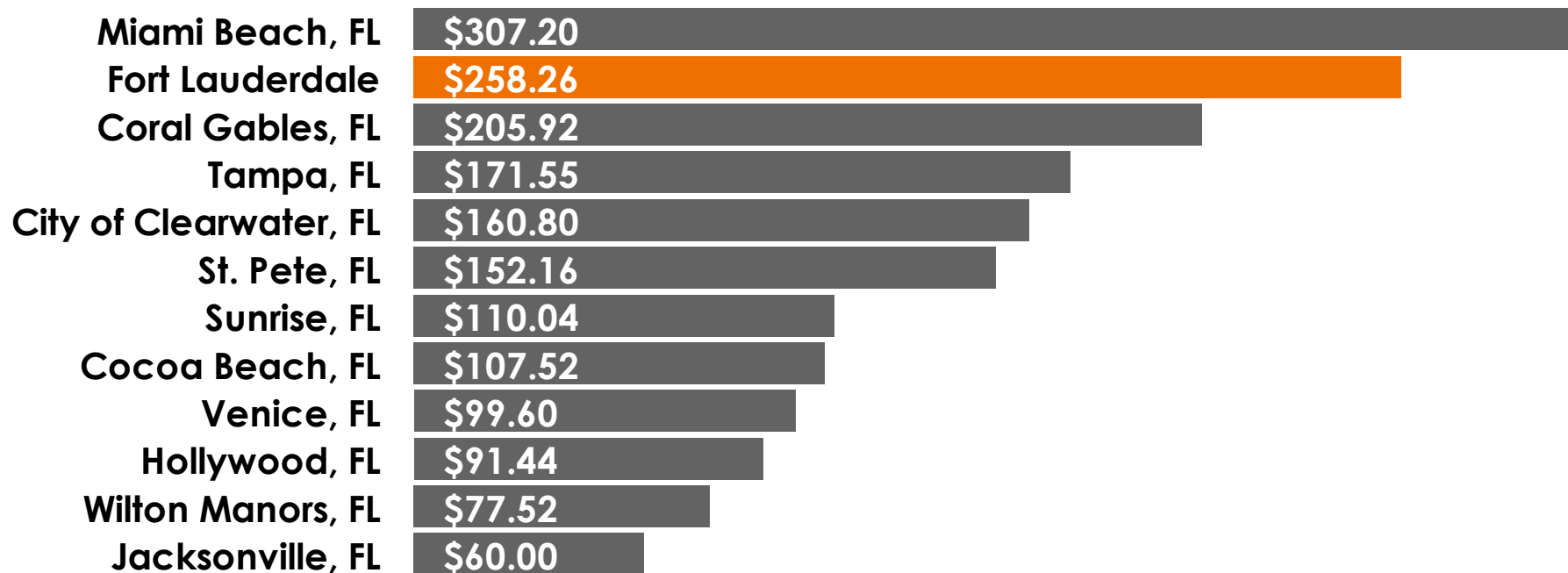
### Borrowing





# Annual Residential Stormwater Cost Comparison

## FY 2022 Stormwater Rates - Residential, Single-Family Home



**Note: Level of service, rate structures, and supplemental funding sources can vary significantly**



# 6. Parking Fund



# Key Planning Observations & Considerations

---

## **Parking Lot Revenues:**

- Revenue projections are conservative as FY 22 is coming in ahead of budget

## **Government Center:**

- \$0.8M in added ongoing costs beginning in FY 2026

## **Federal Courthouse Parking Garage Operational in FY 2026:**

- \$140K net revenue impact (revenues - debt service and operations)

## **Las Olas Downtown Parking Garage Operational in FY 2024:**

- \$700K additional revenue (net change in revenue above H-Lot)

## **CIP Assumes R&R Funding in FY 2023 and Forward**

# Parking FAMS Model



## FT. LAUDERDALE - PARKING



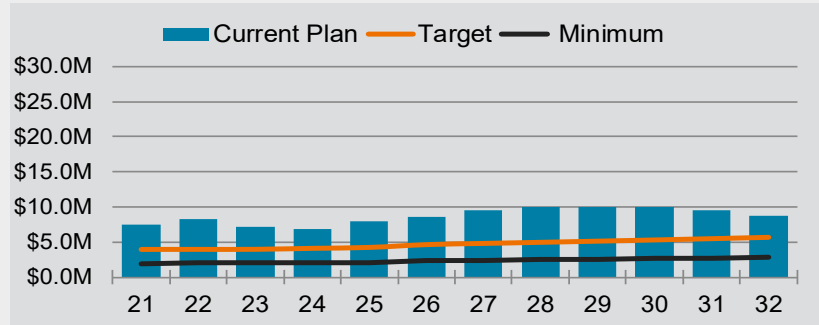
CALC SAVE CTRL LAST OVR

No Rate Increases

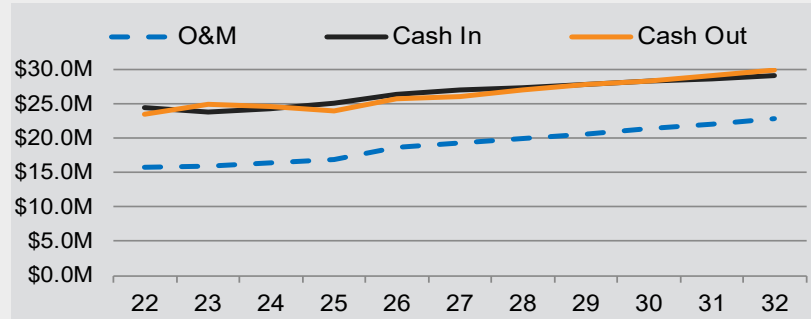
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2026	FY 2031
Metered Parking Rate Plan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Permit Parking Rate Plan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Citations Rate Plan	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Senior-Lien DSC	0.00	0.00	0.00	11.57	10.97	10.99	10.66	10.30	9.90	9.46	8.97		
Net Cash Flow	0.90	(1.08)	(0.32)	1.05	0.61	0.92	0.42	0.09	(0.05)	(0.40)	(0.82)	Check	-

Scenario Manager

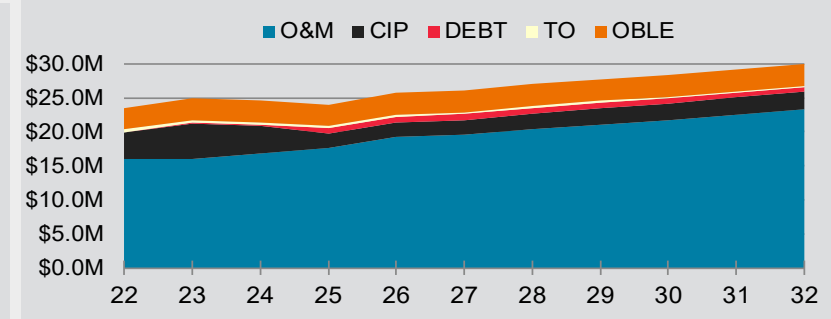
End of Year Fund Balance



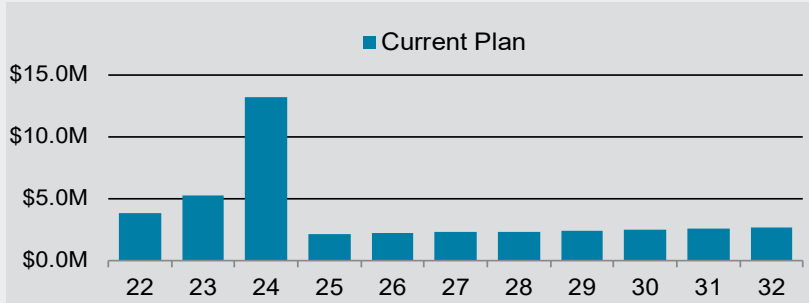
Revenues vs. Expenses



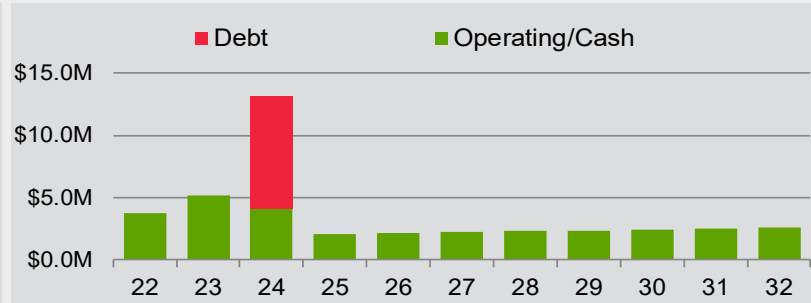
Expenses by Type



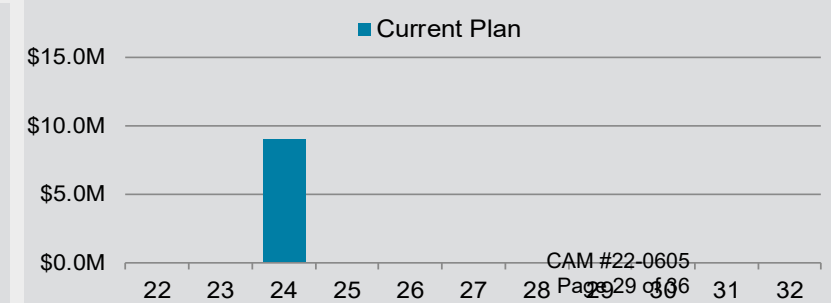
CIP Spending



CIP Funding



Borrowing





# 7. Airport Fund



# Key Planning Observations & Considerations

---

## **Transfer from General Fund to End after FY 2024:**

- Loss of \$1.3 million in annual revenue from General Fund
- Still positive cash flow in FY 2025 (after it expires)

## **Lease Revenues:**

- Provide a stable base of revenues for the enterprise
- New leases are drivers of additional revenues that will enhance future amounts

## **FAA/FDOT Grant Funding:**

- Managing assets and spending around grant availability (maximize funding)

# Airport FAMS Model



## FT. LAUDERDALE - AIRPORT

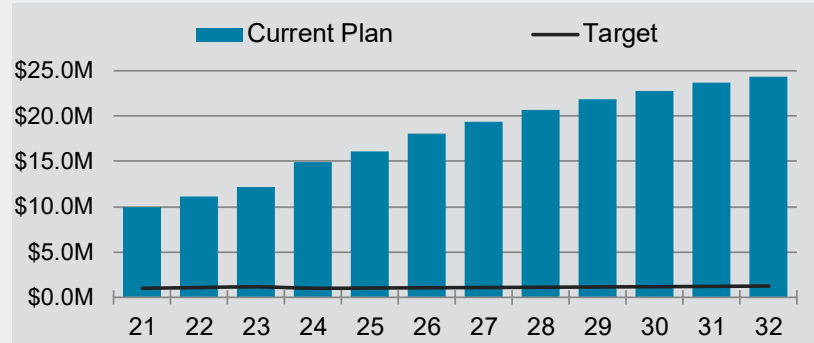


CALC SAVE CTRL LAST OVR

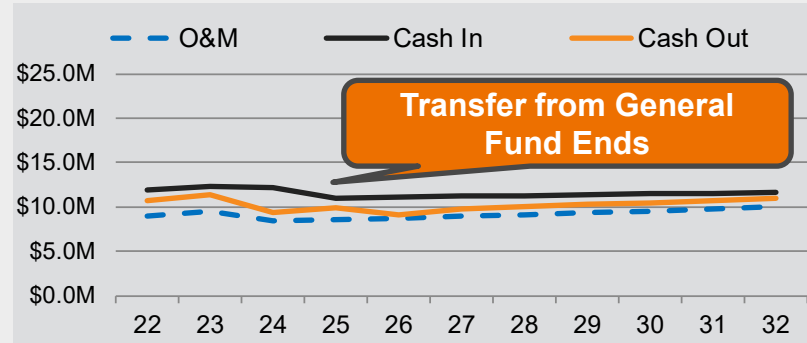
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032		
Net Cash Flow	1.19	0.95	2.81	1.12	1.96	1.42	1.26	1.13	0.96	0.88	0.74	Check	-

**Positive Cash Flows**

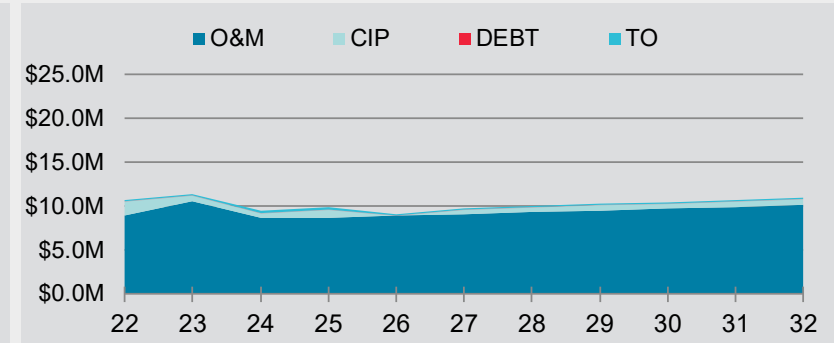
End of Year Fund Balance



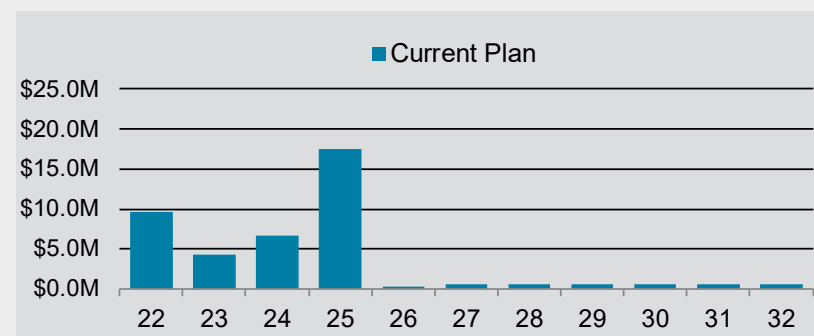
Revenues vs. Expenses



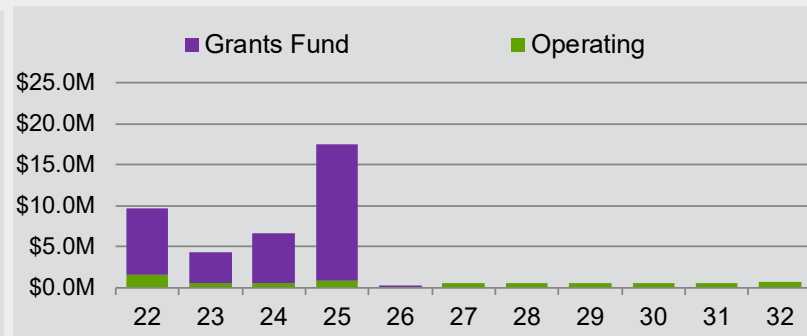
Expenses by Type



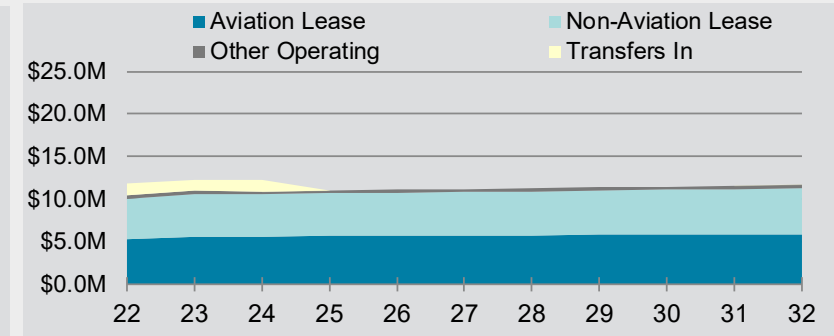
CIP Spending



CIP Funding



Revenues by Type





## 8. Regional Sewer Fund

# Key Planning Observations & Considerations

Supported by the Large Users per agreements with members of the Central Region. Volume rate is estimated with a true-up at year end to actual costs.

## Large Users:

- City of Fort Lauderdale - 80%
- Oakland Park - 14%
- Other Users (**Wilton Manors**, Tamarac, Davie) - 6%

Assuming \$38M Bond Issuance in FY 2023 & \$30M in FY 2028

## Renewal and Replacement Expense Growth (FY 2017- FY 2022)

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Renewal & Replacement	\$7.8M	\$9.4M	\$14.1M	\$14.5M	\$14.3M	\$15.3M
<i>Cumulative % Change</i>		20.5%	80.8%	85.9%	83.3%	96.2%

# Regional FAMS Model



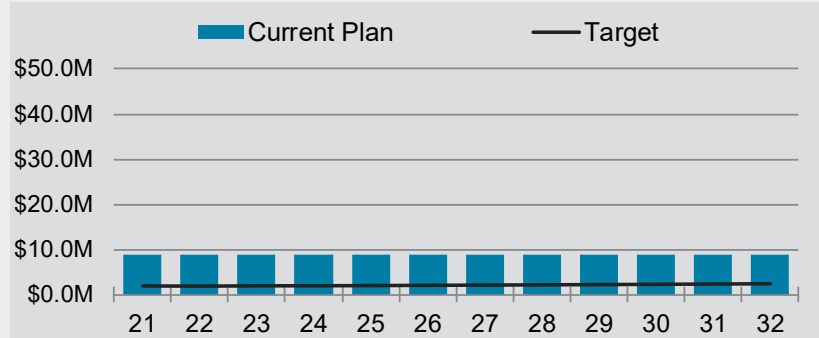
## CENTRAL REGIONAL



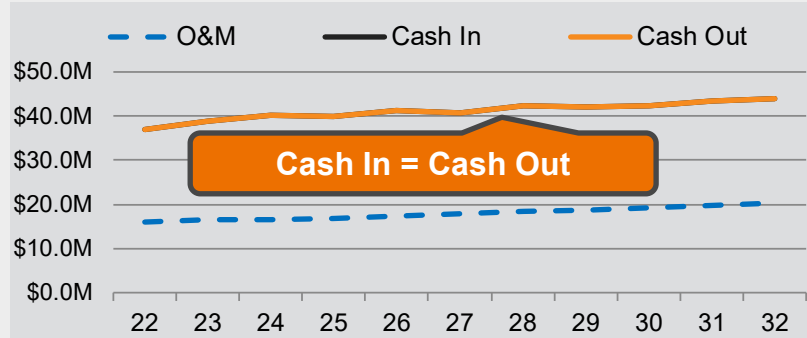
CALC SAVE CTRL LAST OVR

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2026	FY 2031
Bulk Wastewater Rate Plan	0.00%	-0.52%	4.82%	-0.51%	3.22%	-1.09%	3.76%	-0.62%	0.69%	2.61%	1.24%	5.91%	14.22%
Bulk Wastewater Rate	\$2.68	\$2.67	\$2.79	\$2.78	\$2.87	\$2.84	\$2.95	\$2.93	\$2.95	\$3.02	\$3.06		
<b>Net Cash Flow</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

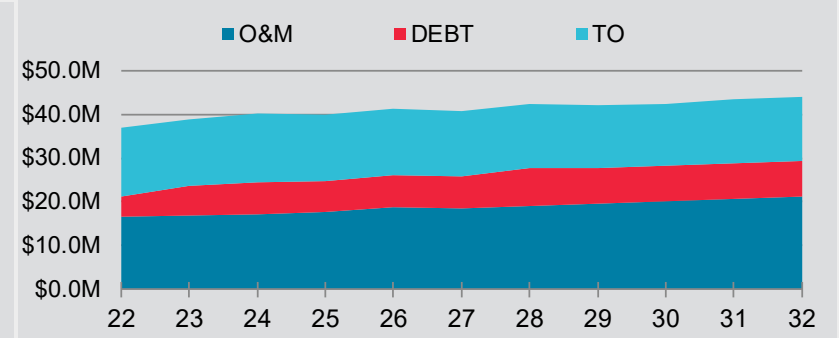
End of Year Fund Balance



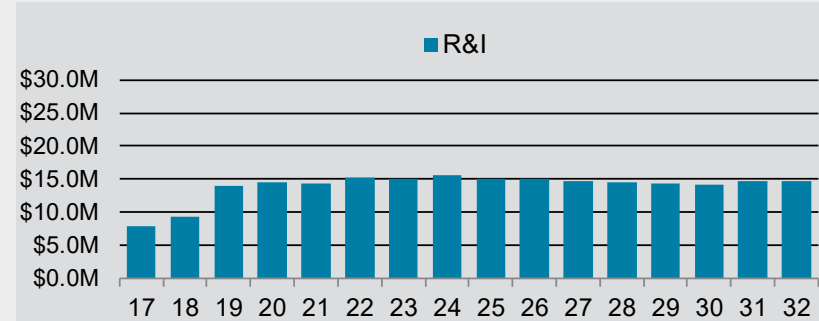
Revenues vs. Expenses



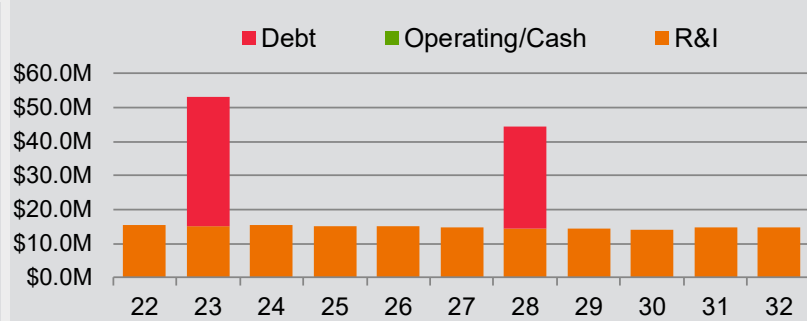
Expense by Type



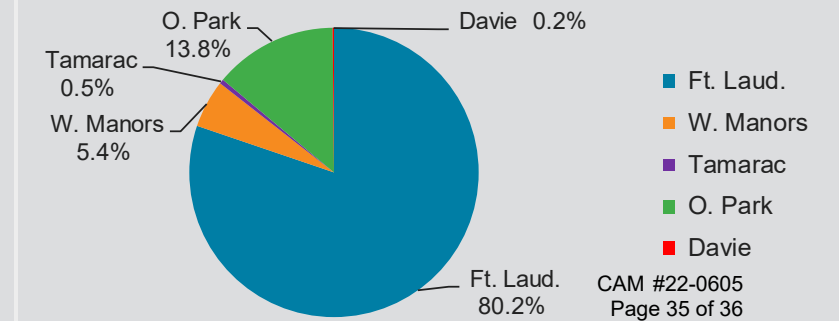
Historical and Projected R&I Spending



CIP Funding



FY 2023 Flow Allocation %





# Questions & Further Discussion

*Andy Burnham*

*Vice President*

*[andrew.burnham@stantec.com](mailto:andrew.burnham@stantec.com)*



# Public Works Updates

- August Water and Wastewater Break Report
- Financial Report

# Number of Force Main Breaks (August 2022)

Date of break/SSO	Q-Alert#	Address	Type	Size in inches	Cause	Cost	Volume (Gal)	SSO Issued	Impacted Properties
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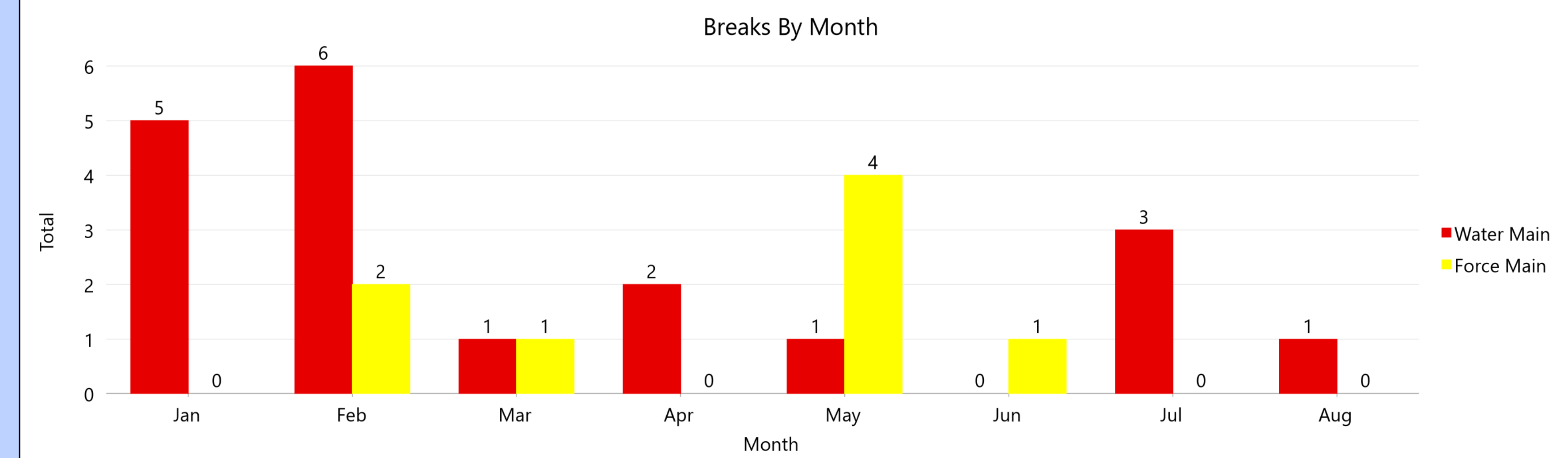
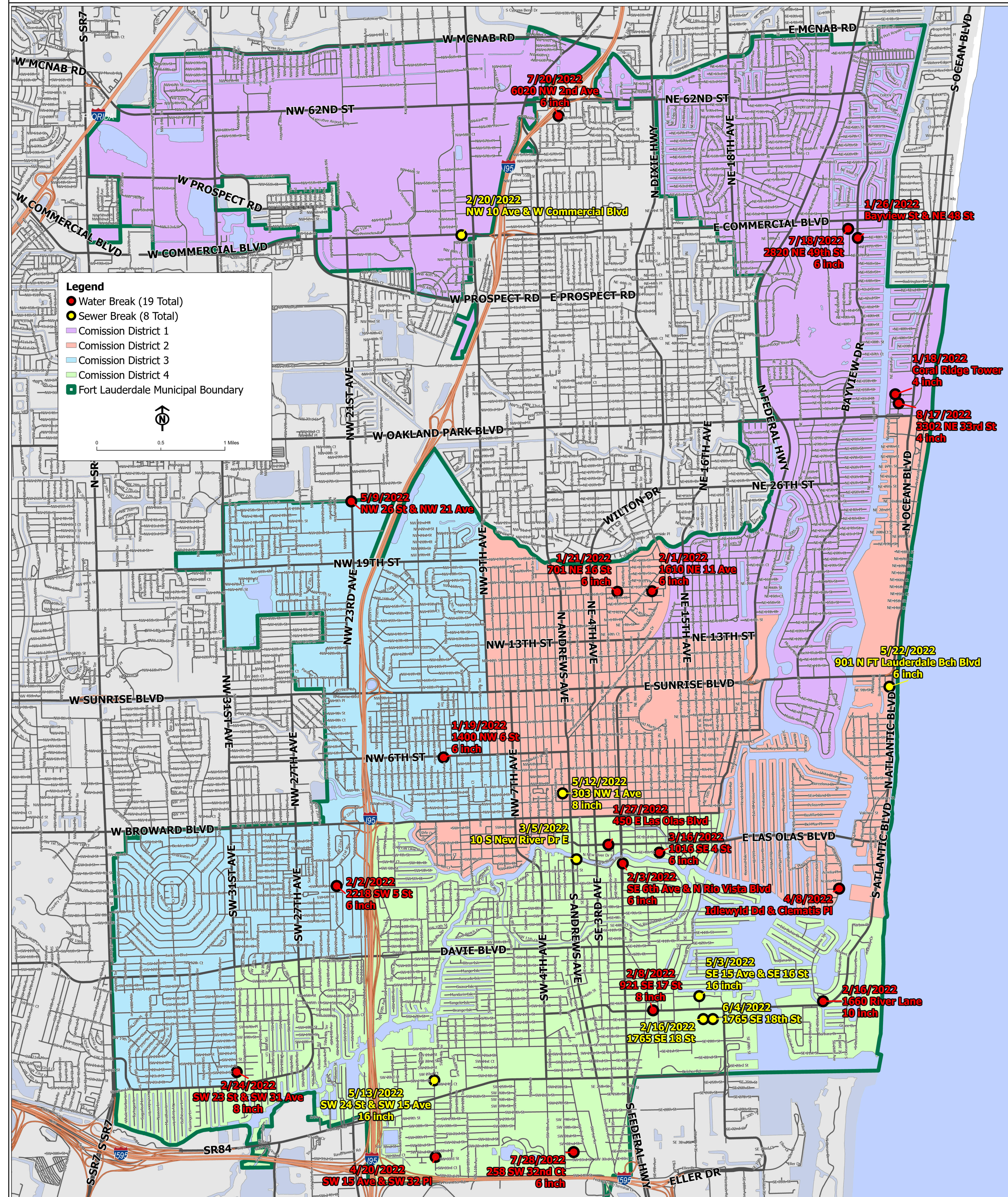
Total Breaks

0

# Number of Water Main Breaks (August)

Date of break/PBWN	Q-Alert#	Address	Type	Size in inches	Cause	Cost	Water Loss	Precautionary Boil Water Notice	Impacted Properties
8/17/2022	962661	3302 NE 33RD STREET		4-INCH				No	0

Total Breaks 1



Date of Break/PBWN	Q-Alert	Address	Type	Size	Cause	PBWN Issued?	Impacted Properties
1/18/2022		Coral Ridge Tower	Water Main	4 inch		Y	100+
1/19/2022	871475	1400 NW 6 St	Water Main	6 inch		Y	18
1/21/2022	872066	701 NE 16 St	Water Main	6 inch		Y	45
1/26/2022		Bayview St & NE 48 St	Water Main			Y	445
1/27/2022	873901	450 E Las Olas Blvd	Water Main			Y	6
2/1/2022	872548/876637	1610 NE 11 Ave	Water Main	6 inch	Emergency Repair	Y	12
2/2/2022	876747/876753	2218 SW 5 St	Water Main	6 inch	Emergency Repair	Y	6
2/3/2022	877887	SE 6th Ave & N Rio Vista Blvd	Water Main	6 inch	Emergency Repair	Y	29
2/8/2022	875380	921 SE 17 St	Water Main	8 inch	Emergency Repair	Y	10
2/16/2022	882758	1660 River Lane	Water Main	10 inch	Emergency Repair	Y	5
2/24/2022	886648	SW 23 St & SW 31 Ave	Water Main	8 inch	Emergency Repair	Y	20
3/16/2022		1016 SE 4 St	Water Main	6 inch	Emergency Repair	Y	11
4/8/2022	908137	Idlewyld Dd & Clematis Pl	Water Main		Vehicle hit hydrant	Y	3
4/20/2022	913672	SW 15 Ave & SW 32 Pl	Water Main		Emergency Repair	Y	13
5/9/2022	921686	NW 26 St & NW 21 Ave	Water Main		Emergency Repair	Y	40
7/18/2022	948606	2820 NE 49th St	Water Main	6 inch	Emergency Repair	N	
7/20/2022	893655	6020 NW 2nd Ave	Water Main	6 inch	Emergency Repair	N	
7/28/2022	953380	258 SW 32nd Ct	Water Main	6 inch	Emergency Repair	N	
8/17/2022	962661	3302 NE 33rd St	Water Main	4 inch		N	0

Date of Break/PBWN	Q-Alert	Address	Type	Size	Cause	Volume (Gal)	SSO Issued?	Impacted Properties
2/16/2022	882575	1765 SE 18 St	Force Main		Gravity Blockage	900	Y	
2/20/2022	884873	NW 10 Ave & W Commercial Blvd	Force Main		Sewer Stoppage	300	Y	
3/5/2022	891700	10 S New River Dr E	Force Main		Sewer Stoppage	100	Y	
5/3/2022	919041	SE 15 Ave & SE 16 St	Force Main	16 inch	Damaged Sewer Main	39000	Y	
5/12/2022	922886	303 NW 1 Ave	Force Main	8 inch	Manhole Overflow	500	Y	
5/13/2022	923367	SW 24 St & SW 15 Ave	Force Main	16 inch	Broken Force Main	4500	Y	
5/22/2022	926923	901 N FT Lauderdale Bch Blvd	Force Main	6 inch	Broken Force Main	200	Y	
6/4/2022	932195	1765 SE 18th St	Force Main		Manhole Overflow	15,700,000	Y	

## Water & Sewer Bond Expenditures Summary September 1, 2022

Bond Funded Projects by Category	Total Budget Amount	Actuals as of 9.1.2022	% Spent to Date as of 9.1.2022	Encumbrances as of 9.1.2022	Remaining Balance as of 9.1.2022
Finance	23595311.21	19469247	83%	3029153.65	1096910.56
Fiveash Upgrades	24656857.81	6002521.03	24%	4532856.9	14121479.88
GTL Upgrades	14000000	16878	0%	500000	13483122
I&I	17303547	14744189.53	85%	47.27	2559310.2
Master Plan/Report	2109624.5	934179.66	44%	989883.33	185561.51
Peele Dixie Upgrades	163133	95234.72	58%	12856	55042.28
Sewer Basin	1821149.49	1286007.12	71%	28.75	535113.62
Sewer Force main	100242361.4	76809215.14	77%	4435690.95	18997455.26
Watermain	20546518.65	20087764.86	98%	55963.03	402790.76
<b>Grand Total</b>	<b>204,438,503</b>	<b>139,445,237</b>	<b>68%</b>	<b>13,556,480</b>	<b>51,436,786</b>

Index Code / Project Title	Category	Project Status	Budget	Actuals as of 9.1.2022	% Spent to Date as of 9.1.2022	Encumbrances as of 9.1.2022	Remaining Balance as of 9.1.2022
FD495.01 WATER & SEWER MASTER PLAN 2017	Finance	Implementation	21,611,457.21	17,640,062.00	82%	2,962,192.75	1,009,202.46
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017	Finance	Implementation	1,983,854.00	1,829,185.00	92%	66,960.90	87,708.10
P10814.495 CENTRAL NEW RIVER W/MAIN RIVER CROSSING	Watermain	Construction	951,318.31	951,743.31	100%	-	(425.00)
P10850.495 VICTORIA PARK A NORTH-SMALL WATERMAINS	Watermain	Warranty	4,435,773.00	4,434,667.95	100%	-	1,105.05
P11080.495 PORT CONDO SMALL WATER MAIN IMPROVEMENTS	Watermain	Close-Out	932,320.00	894,739.85	96%	37,580.15	0.00
P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB	I&I	Construction	5,832,153.00	5,701,870.48	98%	7.11	130,275.41
P11566.495 RIO VISTA SEWER BASIN D-43 REHAB	I&I	Construction	4,268,936.00	4,177,130.29	98%	14.97	91,790.74
P11589.495 FIVEASH WTP DISINFECTION IMPROVEMENTS	Fiveash Upgrades	Construction	16,417,546.00	1,603,544.51	10%	1,150,678.11	13,663,323.38
P11901.495 VICTORIA PK STH SM WATERMAINS IMPROVEMNT	Watermain	Warranty	5,149,658.00	5,142,771.80	100%	65.00	6,821.20
P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION	I&I	Construction	2,000,000.00	156,609.22	8%	-	1,843,390.78
P12049.495 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS	I&I	Construction	1,318,983.00	825,116.07	63%	13.66	493,853.27
P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB	I&I	Construction	3,883,475.00	3,883,463.47	100%	11.53	0.00
P12133.495 PUMP STN A-13 REDIRECTION E OF FEDERAL	Sewer Force main	Complete	478,013.50	478,013.50	100%	-	-
P12180.495 CROISSANT PARK SMALL WATER MAINS	Watermain	Complete	2,822,718.37	2,822,718.37	100%	-	-
P12184.495 DAVIE BLVD 18" WM ABAN I-95 TO SW 9 AVE	Watermain	Hold	297,692.25	297,692.25	100%	0.22	(0.22)
P12202.495 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN	Sewer Basin	Complete	1,224,357.61	1,224,357.61	100%	-	-
P12319.495 EMERG REPAIR 30" FM - REPUMP TO GTL WWTP	Sewer Force main	Complete	2,697,298.64	2,697,298.64	100%	-	-
P12352.495 S MIDDLE RIVER FORCE MAIN RIVER CROSSING	Sewer Force main	Finance	608,999.50	608,999.50	100%	-	-
P12367.495 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Project Initiation Planning	-	-	-	-	-
P12367.496 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Project Initiation Planning	-	-	-	-	-
P12368.495 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation Planning	-	-	-	-	-
P12368.496 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation Planning	-	-	-	-	-
P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Project Initiation Planning	1,462,500.00	774,081.02	53%	686,689.47	1,729.51
P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Project Initiation Planning	115,000.00	111,261.14	97%	3,738.86	0.00
P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT	Sewer Force main	Project Initiation Planning	4,784,890.00	486,013.31	10%	458,312.22	3,840,564.47
P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM	Sewer Force main	Project Initiation Planning	2,096,690.00	607,885.28	29%	681,700.26	807,104.46

Index Code / Project Title	Category	Project Status	Budget	Actuals as of 9.1.2022	% Spent to Date as of 9.1.2022	Encumbrances as of 9.1.2022	Remaining Balance as of 9.1.2022
P12385.496 SE 10TH AV 48" FM REPL & 36" BYPASS	Sewer Force main	Cancelled	18,326.00	18,326.00	100%	-	-
P12386.496 54" FM RPL SE 9TH/10TH AV & NEW PARALLEL	Sewer Force main	Cancelled	6,072.00	6,072.00	100%	-	-
P12387.496 EFFLUENT MAIN REHABILITATION	Sewer Force main	Project Initiation Planning	3,184,000.00	89,496.00	3%	294.00	3,094,210.00
P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT	Sewer Force main	Warranty	3,313,090.00	3,065,963.94	93%	247,126.06	0.00
P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH	Sewer Force main	Complete	2,112,550.00	2,105,749.34	100%	6,800.66	0.00
P12390.495 16" FM ALONG LAS OLAS BLVD PHASE 2	Sewer Force main	Complete	2,410,943.21	2,410,943.21	100%	-	-
P12391.495 BERMUDA RIVIERA SML WTRMN IMPROVEMENTS	Watermain	Complete	4,838,040.72	4,424,433.33	91%	18,317.66	395,289.73
P12393.495 FIVEASH ELEC SYSTM REPLACEMENT (2015-20)	Fiveash Upgrades	Design	256,827.50	11,658.00	5%	-	245,169.50
P12395.495 PEELE DIXIE ELECTRICAL STUDIES	Peele Dixie Upgrades	Master Plan & Report	63,133.00	63,133.00	100%	-	-
P12396.495 PEELE DIXIE SURGE PROTECTION UPGRADES	Peele Dixie Upgrades	Construction	100,000.00	32,101.72	32%	12,856.00	55,042.28
P12399.495 FIVEASH WTP PCCP REPLACEMENT	Fiveash Upgrades	Complete	33,511.00	33,511.00	100%	-	-
P12400.495 PROSPECT WELLFIELD ELC STUDIES & TESTING	Master Plan/Report	Project Initiation Planning	185,000.00	1,168.00	1%	-	183,832.00
P12402.495 PEELE DIXIE WELLFIELD ELC STUD & TESTING	Master Plan/Report	Project Initiation Planning	47,669.50	47,669.50	100%	-	-
P12404.495 EXCAVATE & DISPOSE OF DRY LIME SLUDGE	Fiveash Upgrades	Warranty	4,228,973.31	4,228,973.31	100%	-	-
P12406.496 REDUNDANT FORCE MAIN FROM B-REPUMP	Sewer Force main	Bidding	10,377.00	10,377.00	100%	-	-
P12407.495 SUBACQUEOUS FM CROSSING REINSTATEMENT	Sewer Force main	Cancelled	-	-	-	-	-
P12410.495 PUMP STATION C-1 REPLACEMENT	Sewer Force main	Bidding	620,000.00	32,279.00	5%	-	587,721.00
P12412.495 PUMP STATIONS A-16 UPGRADE	Sewer Force main	Design	3,000,000.00	26,014.00	1%	-	2,973,986.00
P12413.495 FM FROM PUMP STN D-35 TO D-36 UPSIZE	Sewer Force main	Complete	517,445.12	517,445.12	100%	-	-
P12414.495 GRAVITY PIPE IMPV TO DWNTWN COL SYSTM	Sewer Force main	Hold	3,335,370.00	193,226.90	6%	82,770.85	3,059,372.25
P12415.495 PUMP STATION A-7 UPGRADE	Sewer Force main	Construction	2,582,888.69	2,231,910.27	86%	263,504.72	87,473.70
P12418.495 WTR & W/WTR D & C SYSTEM MAPPING	Master Plan/Report	Project Initiation Planning	-	-	-	-	-
P12419.495 FORCE MAIN ASSESSMENT	Master Plan/Report	Complete	-	-	-	-	-
P12419.496 FORCE MAIN ASSESSMENT	Master Plan/Report	Complete	-	-	-	-	-
P12456.495 SEWER BASIN D-40 REHAB	Sewer Basin	Construction	169,237.00	41,026.51	24%	28.75	128,181.74
P12463.495 CORAL SHORES SML WATERMAIN IMPROVEMENTS	Watermain	Warranty	1,118,998.00	1,118,998.00	100%	-	-
P12485.495 FIVEASH WTP FILTERS REHABILITATION	Fiveash Upgrades	Construction	3,720,000.00	124,834.21	3%	3,382,178.79	212,987.00
P12529.496 EFFLUENT PMP STNBY GENERATOR & ADMIN BLD	GTL Upgrades	Project Initiation Planning	14,000,000.00	16,878.00	0%	500,000.00	13,483,122.00
P12566.496 REDUNDANT SEWER FM NORTH TO GTL WWTP	Sewer Force main	Construction	25,225,638.08	25,202,609.32	100%	23,028.76	(0.00)
P12567.496 REDUNDANT SEWER FM SOUTH TO GTL WWTP	Sewer Force main	Close-Out	35,249,740.92	33,719,705.12	96%	57,148.58	1,472,887.22
P12569.495 NE 5TH STREET FORCE MAIN IMPROVEMENT	Sewer Force main	Complete	1,928,910.00	1,928,910.00	100%	-	-
P12570.495 36TH STREET FORCE MAIN IMPROVEMENT	Watermain	Complete	-	-	-	-	-
P12605.495 NEW PUMPING STATION FLAGLER VILLAGE A-24	Sewer Force main	Bidding	681,243.69	-	-	-	681,243.69
P12618.495 DOLPHIN ISLES B-14 SEWER BASIN REHAB	Sewer Basin	Project Initiation Planning	427,554.88	20,623.00	5%	-	406,931.88
P12619.495 BAYVIEW DR 16" FM TO PUMP STATION B-14	Sewer Force main	Design	2,570,000.00	62,102.69	2%	115,004.84	2,392,892.47
P12620.495 LAS OLAS MARINA PUMP STATION D-31	Sewer Force main	Project Initiation Planning	2,500,000.00	-	0%	2,500,000.00	-
P12628.495 INTERLOCAL AGREEMENT WITH POMPANO BEACH	Master Plan/Report	Construction	299,455.00	-	0%	299,455.00	-
P12731.495 GRAVITY SWR RPR BAYVIEW FRM 36 TO 40 ST	Sewer Force main	Construction	309,875.00	309,875.00	100%	-	-
<b>Totals</b>			<b>204,438,503</b>	<b>139,445,237</b>	<b>68%</b>	<b>13,556,480</b>	<b>51,436,786</b>

Consent Order Projects Financial Report  
September 1, 2022

Index Code / Project Title	Category	Project Status	Budget	Actuals as of 9.1.2022	% Spent to Date as of 9.1.2022	Encumbrances as of 9.1.2022	Remaining Balance as of 9.1.2022
P11563.454 VICTORIA PARK SEWER BASIN A-19 REHAB			1,606,619.00	1,431,421		175,198	(0)
P11563.482 VICTORIA PARK SEWER BASIN A-19 REHAB			-	-			-
P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB			5,832,153.00	5,701,870		7	130,275
<b>P11563 TOTAL PROJECT COSTS</b>	<b>I&amp;I</b>	<b>Construction</b>	<b>7,438,772</b>	<b>7,133,291</b>	<b>96%</b>	<b>175,205</b>	<b>130,275</b>
P11566.454 RIO VISTA SEWER BASIN D-43 REHAB			3,523,431	2,206,730		574,958	741,743
P11566.482 RIO VISTA SEWER BASIN D-43 REHAB			381	381		-	-
P11566.495 RIO VISTA SEWER BASIN D-43 REHAB			4,268,936	4,177,130		15	91,791
<b>P11566 TOTAL PROJECT COSTS</b>	<b>I&amp;I</b>	<b>Construction</b>	<b>7,792,748</b>	<b>6,384,241</b>	<b>82%</b>	<b>574,973</b>	<b>833,534</b>
P11842.470 EDGEWOOD STORMWATER PRELIMINARY DATA & REPORT			1,928,448	1,908,093		12,152	8,203
P11842.473 EDGEWOOD STORMWATER PRELIMINARY DATA & REPORT			16,846,632	4,267,751		12,578,881	(0)
<b>P11842 TOTAL PROJECT COSTS</b>	<b>Stormwater</b>	<b>Construction</b>	<b>18,775,080</b>	<b>6,175,844</b>	<b>33%</b>	<b>12,591,033</b>	<b>8,203</b>
P11868.470 RIVER OAKS STORMWATER ANALYSIS			957,578	903,404		23,771	30,403
P11868.473 RIVER OAKS STORMWATER ANALYSIS			29,035,000	3,215,656		25,614,201	205,142
<b>P11868 TOTAL PROJECT COSTS</b>	<b>Stormwater</b>	<b>Construction</b>	<b>29,992,578</b>	<b>4,119,061</b>	<b>14%</b>	<b>25,637,972</b>	<b>235,545</b>
P11879.454 PUMP STATION B-10 REHAB			1,908,427	1,908,427		-	-
<b>P11879 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>1,908,427</b>	<b>1,908,427</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P11881.454 PUMP STATION D-45 REHABILITATION			509,868	509,868		-	-
<b>P11881 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>509,868</b>	<b>509,868</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P11991.454 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			9,664,894	4,715,782		3,518,454	1,430,659
P11991.482 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			3,335	3,335		-	-
P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			2,000,000	156,609		-	1,843,391
<b>P11991 TOTAL PROJECT COSTS</b>	<b>I&amp;I</b>	<b>Construction</b>	<b>11,668,229</b>	<b>4,875,726</b>	<b>42%</b>	<b>3,518,454</b>	<b>3,274,049</b>
P12001.454 SEWER BASIN D-40 REHAB			731,713	731,713		-	-
P12001.482 SEWER BASIN D-40 REHAB			3,766	3,766		-	-
<b>P12001 TOTAL PROJECT COSTS</b>	<b>Sewer Basin</b>	<b>Complete</b>	<b>735,479</b>	<b>735,479</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12049.454 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS			2,457,469	1,209,044		-	1,248,425
P12049.482 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS			8,255	8,255		-	-
P12049.495 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS			1,318,983	825,116		14	493,853
<b>P12049 TOTAL PROJECT COSTS</b>	<b>I&amp;I</b>	<b>Construction</b>	<b>3,784,707</b>	<b>2,042,415</b>	<b>54%</b>	<b>14</b>	<b>1,742,278</b>
P12055.454 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			3,276,801	2,874,996		1	401,804
P12055.482 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			-	-		-	-
P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			3,883,475	3,883,463		12	(0)
<b>P12055 TOTAL PROJECT COSTS</b>	<b>I&amp;I</b>	<b>Construction</b>	<b>7,160,276</b>	<b>6,758,460</b>	<b>94%</b>	<b>13</b>	<b>401,804</b>
P12124.454 CNTRL BCH ALLIANCE PUMP STN REPLAC D-41			2,132,448	2,132,448		-	0
<b>P12124 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>2,132,448</b>	<b>2,132,448</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12133.454 PUMP STN A-13 REDIRECTION E OF FEDERAL			4,147,596	4,147,596		-	-
P12133.495 PUMP STN A-13 REDIRECTION E OF FEDERAL			478,014	478,014		-	-
<b>P12133 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>4,625,610</b>	<b>4,625,610</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12177.454 E LAS OLAS 12" FORCE MAIN REPLACEMENT			1,689,730	1,689,730		-	-
<b>P12177 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>1,689,730</b>	<b>1,689,730</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12202.454 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN			205,156	205,156		0	(0)
P12202.495 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN			1,224,358	1,224,358		-	-
<b>P12202 TOTAL PROJECT COSTS</b>	<b>Sewer Basin</b>	<b>Complete</b>	<b>1,429,513</b>	<b>1,429,513</b>	<b>100%</b>	<b>0</b>	<b>(0)</b>
P12264.470 CITYWIDE CANAL DREDGING PLAN - CYCLE 1			1,158,867	223,062		46,161	889,645
<b>P12264 CITYWIDE CANAL DREDGING PLAN - CYCLE 1</b>	<b>Stormwater</b>	<b>Design</b>	<b>1,158,867</b>	<b>223,062</b>	<b>19%</b>	<b>46,161</b>	<b>889,645</b>
P12319.454 EMERG REPAIR 30" FM - REPUMP TO GTL WWTP			13,182,064	13,182,064		-	-
P12319.495 EMERG REPAIR 30" FM - REPUMP TO GTL WWTP			2,697,299	2,697,299		-	-
<b>P12319 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>15,879,363</b>	<b>15,879,363</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12352.454 S MIDDLE RIVER FORCE MAIN RIVER CROSSING			874,016	874,015		0	(0)
P12352.495 S MIDDLE RIVER FORCE MAIN RIVER CROSSING			609,000	609,000		-	-
<b>P12352 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Finance</b>	<b>1,483,015</b>	<b>1,483,015</b>	<b>100%</b>	<b>0</b>	<b>0</b>
P12367.495 ASSET MANAGEMENT & CMOM PROGRAMS			-	-		-	-
P12367.496 ASSET MANAGEMENT & CMOM PROGRAMS			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			871,387	533,008		338,380	(1)
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			204,430	125,057		79,373	-
<b>P12367 TOTAL PROJECT COSTS</b>	<b>Master Plan/Report</b>	<b>Project Initiation &amp; Planning</b>	<b>1,075,817</b>	<b>658,065</b>	<b>61%</b>	<b>417,753</b>	<b>(1)</b>
P12368.495 SEWER CAPACITY ONLY FOR GRAVITY & FM			-	-		-	-
P12368.496 SEWER CAPACITY ONLY FOR GRAVITY & FM			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			725,896	725,759		137	-
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			35,560	35,553		7	-
PBS670501 LOHMEYER REGIONAL PLANT SUPPORT			9,811	9,799		12	-
PBS060101 UTILITIES ENGINEERING OPERATIONS			200,279	200,025		254	-
<b>P12368 TOTAL PROJECT COSTS</b>	<b>Master Plan/Report</b>	<b>Project Initiation &amp; Planning</b>	<b>971,546</b>	<b>971,136</b>	<b>100%</b>	<b>410</b>	<b>-</b>
P12375.451 PROG MGMT OF CONSENT ORDER PROJECTS			1,295,458	698,670		507,723	89,066

Index Code / Project Title	Category	Project Status	Budget	Actuals as of 9.1.2022	% Spent to Date as of 9.1.2022	Encumbrances as of 9.1.2022	Remaining Balance as of 9.1.2022
P12375.454 PROG MGMT OF CONSENT ORDER PROJECTS			1,013,442	816,067		40,197	157,179
P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS			1,462,500	774,081		686,689	1,730
P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS			115,000	111,261		3,739	0
<b>P12375 TOTAL PROJECT COSTS</b>	<b>Master Plan/Report</b>	<b>Project Initiation &amp; Planning</b>	<b>3,886,400</b>	<b>2,400,078</b>	<b>62%</b>	<b>1,238,348</b>	<b>247,974</b>
P12383.451 NE 25TH AVE FORCE MAIN REPLACEMENT			1,363,353	3,393	0%	-	1,359,960
P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT			4,784,890	486,013		458,312	3,840,564
<b>P12383 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Project Initiation &amp; Planning</b>	<b>6,148,243</b>	<b>489,406</b>	<b>8%</b>	<b>458,312</b>	<b>5,200,524</b>
P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM			2,096,690	607,885		681,700	807,104
<b>P12384 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Project Initiation &amp; Planning</b>	<b>2,096,690</b>	<b>607,885</b>	<b>29%</b>	<b>681,700</b>	<b>807,104</b>
P12387.496 EFFLUENT MAIN REHABILITATION			3,184,000	89,496		294	3,094,685
<b>P12387 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Project Initiation &amp; Planning</b>	<b>3,184,000</b>	<b>89,496</b>	<b>3%</b>	<b>294</b>	<b>3,094,210</b>
P12388.454 NE 13TH ST 24" FORCE MAIN REPLACEMENT			3,761,244	182,058		67,848	3,511,339
P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT			3,313,090	3,065,964		247,126	0
<b>P12388 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Warranty</b>	<b>7,074,334</b>	<b>3,248,021</b>	<b>46%</b>	<b>314,974</b>	<b>3,511,339</b>
P12389.454 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH			238,620	126,325			112,295
P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH			2,112,550	2,105,749		6,801	0
<b>P12389 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>2,351,170</b>	<b>2,232,074</b>	<b>95%</b>	<b>6,801</b>	<b>112,295</b>
P12390.454 16" FM ALONG LAS OLAS BLVD PHASE 2			637,577	637,577		-	-
P12390.495 16" FM ALONG LAS OLAS BLVD PHASE 2			2,410,943	2,410,943		0	(0)
<b>P12390 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>3,048,520</b>	<b>3,048,520</b>	<b>100%</b>	<b>0</b>	<b>(0)</b>
P12413.454 FM FROM PUMP STN D-35 TO D-36 UPSIZE			615,099	615,099		-	-
P12413.495 FM FROM PUMP STN D-35 TO D-36 UPSIZE			517,445	517,445		-	-
<b>P12413 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>1,132,545</b>	<b>1,132,545</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12418.495 WTR & W/WTR D & C SYSTEM MAPPING			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			3,441,353	2,424,335		1,017,018	-
<b>P12418 TOTAL PROJECT COSTS</b>	<b>Master Plan/Report</b>	<b>Project Initiation &amp; Planning</b>	<b>3,441,353</b>	<b>2,424,335</b>	<b>70%</b>	<b>1,017,018</b>	<b>-</b>
P12419.495 FORCE MAIN ASSESSMENT			-	-		-	-
P12419.496 FORCE MAIN ASSESSMENT			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			924,284	924,284		-	-
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			45,279	45,279		-	-
<b>P12419 TOTAL PROJECT COSTS</b>	<b>Master Plan/Report</b>	<b>Complete</b>	<b>969,563</b>	<b>969,563</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12529.451 EFFLUENT PUMPS STANDBY GENERATOR & ADMIN BLDG IMPROVEMENTS			14,295,566	165,363		3	14,130,201
P12529.496 EFFLUENT PUMPS STANDBY GENERATOR & ADMIN BLDG IMPROVEMENTS			14,000,000	16,878		500,000	
<b>P12529 EFFLUENT PUMPS STANDBY GENERATOR &amp; ADMIN BLDG IMPROVEMENTS</b>	<b>GTL Upgrades</b>	<b>Project Initiation &amp; Planning</b>	<b>28,295,566</b>	<b>182,241</b>	<b>1%</b>	<b>500,003</b>	<b>27,613,323</b>
P12566.451 REDUNDANT SEWER FM NORTH TO GTL WWTP			4,524,621	4,457,434		19,976	47,211
P12566.496 REDUNDANT SEWER FM NORTH TO GTL WWTP			25,225,638	25,202,039		23,599	(0)
<b>P12566 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Construction</b>	<b>29,750,259</b>	<b>29,659,473</b>	<b>100%</b>	<b>43,575</b>	<b>47,211</b>
P12567.496 REDUNDANT SEWER FM SOUTH TO GTL WWTP			35,249,741	33,719,705		57,149	1,472,887
<b>P12567 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Closeout</b>	<b>35,249,741</b>	<b>33,719,705</b>	<b>96%</b>	<b>57,149</b>	<b>1,472,887</b>
P12569.495 NE 5TH STREET FORCE MAIN IMPROVEMENT			1,928,910	1,928,910		-	-
<b>P12569 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Complete</b>	<b>1,928,910</b>	<b>1,928,910</b>	<b>100%</b>	<b>-</b>	<b>-</b>
P12570.495 36TH STREET FORCE MAIN IMPROVEMENT			76,655	76,655		-	-
<b>P12570 TOTAL PROJECT COSTS</b>	<b>Sewer Force Main</b>	<b>Warranty</b>	<b>76,655</b>	<b>76,655</b>	<b>100%</b>	<b>-</b>	<b>-</b>
FD495.01 WATER & SEWER MASTER PLAN 2017			212,876			-	212,876
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			2,150			-	2,150
<b>P12720 TOTAL PROJECT COSTS</b>	<b>Master Plan/Report</b>	<b>Project Initiation &amp; Planning</b>	<b>215,026</b>	<b>-</b>	<b>0%</b>	<b>-</b>	<b>215,026</b>
<b>Grand Total</b>			<b>249,061,049</b>	<b>151,943,664</b>	<b>61%</b>	<b>47,280,159</b>	<b>49,837,226</b>

The following information pertains to the Stormwater Projects listed on the Consent Order Project Report. Paragraph 18 of the Amended Consent Order (CO) requires that the City pay \$2,116,500 in cash as civil penalties or implement In-Kind projects with a value of at least \$3,167,250 in lieu of making cash payment. This CO mandated that the project be either an environmental enhancement or an environmental restoration project. The City proposed to construct a new stormwater drainage system within the low lying areas of River Oaks Stormwater Analysis (P11868), Edgewood Area Stormwater Improvements (P11842) and the Osceola Canal as part of the Citywide Canal Dredging Plan - Cycle 1 (P12264) to offset the penalties. The proposal included multiple water quality improvements, such as several pollution control measures to treat stormwater runoff before it is discharged in the river, exfiltration trenches, dredging and bank stabilization, and a new wetlands area, in addition to typical stormwater best management practices. The proposal was approved by FDEP on January 20, 2021 and must be constructed by March 2024.

FY 2022 Water & Sewer Expansion Impact Fees  
September 1, 2022

FY 2022 (Revenue (Posted as of 9.01.2022))	Fiscal Month 1 (Oct. 2021)	Fiscal Month 2 (Nov. 2021)	Fiscal Month 3 (Dec. 2021)	Fiscal Month 4 (Jan. 2022)	Fiscal Month 5 (Feb. 2022)	Fiscal Month 6 (Mar. 2022)	Fiscal Month 7 (Apr. 2022)	Fiscal Month 8 (May 2022)	Fiscal Month 9 (June 2022)	Fiscal Month 10 (July 2022)	Fiscal Month 11 (August 2022)	Year-to-Date Total
<b>FD452.01 WATER EXPANSION/ IMPACT FEE CONSTRUCTION</b>	<b>237,774.00</b>	<b>464,931.00</b>	<b>25,345.00</b>	<b>44,124.00</b>	<b>12,099.00</b>	<b>437,258.00</b>	<b>31,370.00</b>	<b>23,031.00</b>	<b>11,089.00</b>	<b>25,088.00</b>	<b>352,843.00</b>	<b>1,664,952.00</b>
B251 W&S IMPACT FEES - RESIDENTIAL	23,724.00	9,885.00	5,931.00	17,793.00	3,954.00	17,185.00	20,813.00	20,421.00	9,885.00	23,388.00	30,138.00	183,117.00
B252 W&S IMPACT FEES - COMMERCIAL	214,050.00	455,046.00	19,414.00	26,331.00	8,145.00	420,073.00	10,557.00	2,610.00	1,204.00	1,700.00	322,705.00	1,481,835.00
<b>FD453.01 SEWER EXPANSION/ IMPACT FEE CONSTRUCTION</b>	<b>227,070.00</b>	<b>444,001.00</b>	<b>24,204.00</b>	<b>44,174.00</b>	<b>11,555.00</b>	<b>419,098.00</b>	<b>30,470.00</b>	<b>20,721.00</b>	<b>10,592.00</b>	<b>23,958.00</b>	<b>337,240.00</b>	<b>1,593,083.00</b>
B251 W&S IMPACT FEES - RESIDENTIAL	22,656.00	9,440.00	5,664.00	16,992.00	3,776.00	17,936.00	18,351.00	20,266.00	9,440.00	22,335.00	29,062.00	175,918.00
B252 W&S IMPACT FEES - COMMERCIAL	204,414.00	434,561.00	18,540.00	25,145.00	7,779.00	401,162.00	10,082.00	2,492.00	1,152.00	1,623.00	308,178.00	1,415,128.00
N963 IMPACT FEES - SEWER				2,037.00			2,037.00	(2,037.00)	-	-	-	2,037.00
<b>TOTAL</b>	<b>464,844</b>	<b>908,932</b>	<b>49,549.00</b>	<b>88,298</b>	<b>23,654</b>	<b>856,356</b>	<b>61,840</b>	<b>43,752</b>	<b>21,681</b>	<b>49,046</b>	<b>690,083</b>	<b>3,258,035</b>



# General Discussion and Comments

- Committee Members
- Public Comments

# CITY WATER UTILITY BILLS WILL BE INCREASING OVER THE NEXT SEVERAL FISCAL YEARS

By RAIPRI ZEITMAN

Your water utility bills will be increasing over the next several Fiscal Years (October 1 thru September 30) to help pay for the replacement of the old 1954 Fiveash Water Treatment Plant (WTP) with a new WTP to be designed and constructed at a site located further north and west of the existing Fiveash WTP Site. The water utility rates will be increased by 25% for the next Fiscal Year (FY) 2023; increased another 30% for FY 2024 and another 15% for FY 2025 for a compounded total increase of 87% or 1.87 times of the current FY 2022 water utility rate. Beginning FY 2026, the water utility rate will be increased at 3.6% per FY until another high expense is incurred. In summation, by FY 2027 (almost 5 years), the new water utility rate will have doubled the City's current FY 2022 water utility rate.\*

Other factors that contribute to a higher utility billing is the current use at the Fiveash WTP of chlorine as a disinfectant to kill bacteria that is combined with ammonia to form chloramine to extend the treated water's disinfection capability to travel further into the water distribution systems. The drawback with chloramine is that it eventually degrades causing nitrification build-up, especially during warm temperatures in the Summer, requires periodically flushing out of this objectionable chemical build-up in the water. Fire hydrants are normally used to facilitate this flushing procedure to remove this undesirable water which is unmetered that represents "unaccounted for water" and is included with other unmetered water used after leaving the WTP and is proportionally billed to the utility customers based upon their individual water usage.

The wastewater utility billing costs are calculated using the utility customer's "domestic" water meter usage as this method assumes that a certain portion of the domestic potable water usage is returned back into the wastewater gravity collection system to eventually be pumped to the George T Lohmeyer Wastewater Treatment Plant (GTLWWTP) for treatment and disposal. The utility customers are also paying higher utility bills for the large amounts of groundwater infiltrating/Inflowing (I/I) entering into the damaged sanitary gravity sewers, especially during the rainy season adding to the wastewater flows entering the GTLWWTP and are proportionally billed based upon their domestic water metered usage (not from irrigation meters) as was similarly calculated for the unaccounted-for water.

\* The above water utility rate increases for the upcoming fiscal years were taken from the "Fiveash Water Treatment Plant Proposal Evaluation - Comparative Report Summary", page 24 Financial Terms and Certainty & page 27 Financial Impacts, prepared by Ernst & Young Infrastructure Advisors under contract with the City and was confirmed by City Staff during the 7 February 2022 Infrastructure Task Force Advisory Committee Meeting.

## PUBLIC NOTICE



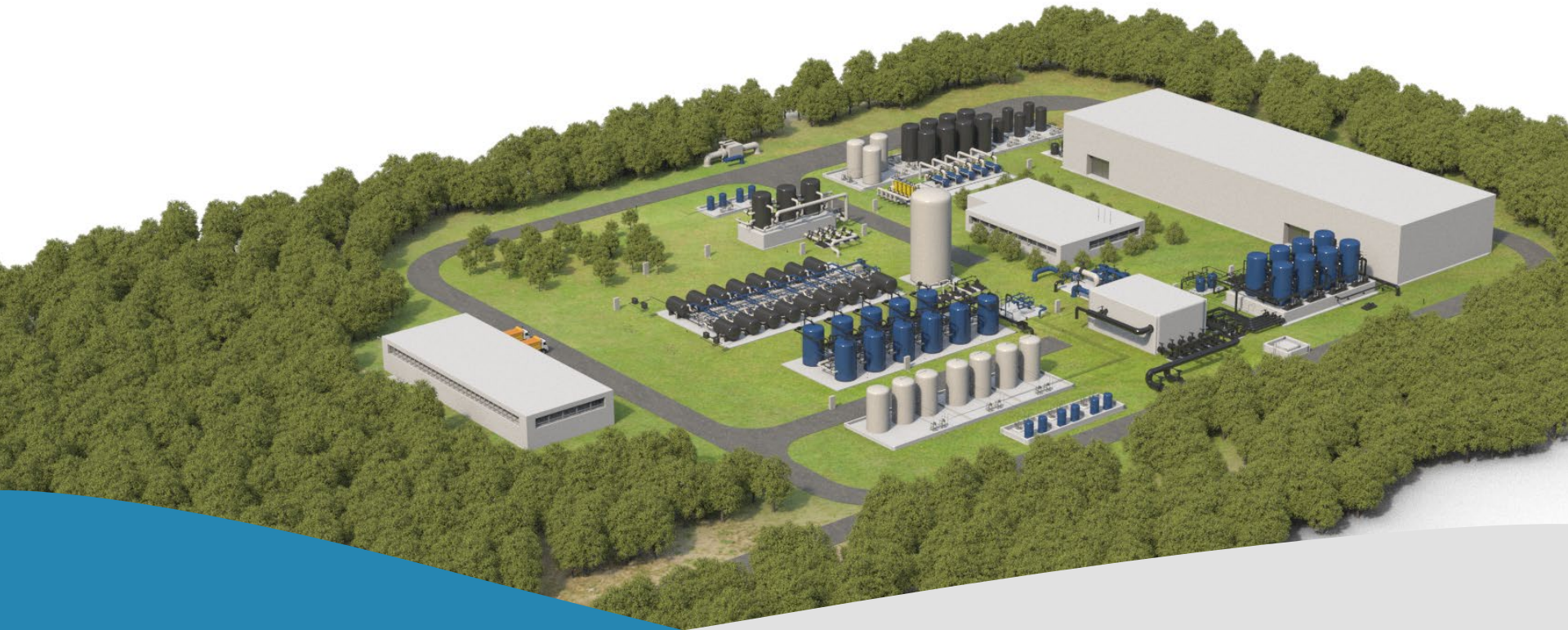
### CITY OF FORT LAUDERDALE TO CHLORINATE WATER SYSTEM

Water Treatment Scheduled for  
March 22 - April 12, 2022



City of Fort  
Lauderdale

# PROSPECT LAKE CLEAN WATER CENTER



# Prospect Lake Update

## The City and Prospect Lake Teams have made Material Progress Towards a Comprehensive Agreement (“CA”) Execution in October



City of Fort  
Lauderdale



### Updates

- The City, Hazen & Sawyer, Kiewit, and IDE-Ridgewood all continue to work diligently, collaboratively and expeditiously towards the successful development of a new water treatment plant for the City
- All parties have worked to reach consensus on key design, construction, operating and financing terms to mitigate the impact of global supply chain and inflation pressure which have increased 2020 costs by \$100M
- The City Staff has analyzed scenarios and confirmed the P3 construct with IDE-Ridgewood remains consistent with the City’s objectives of inflation protection, risk transfer, and project delivery timing
- The City and IDE-Ridgewood are working towards a mutually-agreeable Labor Partnership Services Agreement (“LSA”) that addresses the City’s needs
- All parties, including respective legal councils, are targeting a Commission-approved Comprehensive Agreement and Labor Services Agreement by October 18<sup>th</sup>

# Site Plan & Enabling Works Overview






## Current Pricing Includes \$150 Million of Enabling Works

- Wellfield improvements
- Transmission pipeline to Fiveash
- Water and sewer connections to new site
- Power supply
- Communications between Prospect Lake and Fiveash
- Certain distribution system improvements at Fiveash
- 2<sup>nd</sup> disposal well

# Illustrative Water Plant Rate Impact Summary

## Revised P3 with IDE-Ridgewood Remains Consistent with City's Goals

Description	Key Terms	Details	Average Water Bill 2032 <sup>(1)</sup>	10-Year % Increase	Ongoing Inflation Protection	Construction & Operations Risk Transfer	Timeline for Delivery of Plant	Time in Months
<b>P3 Proposed December 2020</b>	<ul style="list-style-type: none"> <li>\$3.30 Initial Rate</li> <li>1% Change Per Year</li> </ul>	<ul style="list-style-type: none"> <li>\$385 million capex</li> </ul>	\$66	116%				36 Months
<b>P3 Revised with Enabling Works</b>	<ul style="list-style-type: none"> <li>\$1.61 Initial Rate</li> <li>5% Change Per Years 1-5</li> <li>2.5% Change Per Year Thereafter</li> </ul>	<ul style="list-style-type: none"> <li>\$485 million capex</li> <li>\$150 million enabling works</li> <li>City Financing 75% of capex and 100% enabling works</li> <li>City direct pay chemicals</li> </ul>	\$73	139%				42 Months
<b>City Project Alone (i.e., no P3)</b>	<ul style="list-style-type: none"> <li>City Owned and Operated</li> </ul>	<ul style="list-style-type: none"> <li>\$485 million capex</li> <li>\$150 million enabling works</li> <li>City Financing 100% of capex and enabling works</li> <li>City direct pay chemicals</li> </ul>	\$71	133%				66+ Months

Staff continues to recommend the P3 structure as it provides our community with multiple benefits, including:

- (1) Long-term Inflation Protection
- (2) Construction & Operations Risk Transfer
- (3) Timeline for Delivery of Plant

(1) Assumes 5,000 gallons on average – compared to \$31 in 2022

# Moving the Partnership Forward

## Status of Key Agreements and Next Steps in the Process

- Comprehensive Agreement
  - The City, IDE-Ridgewood and our respective counsels have met frequently since the Commission's approval of the Unsolicited Proposal on March 3<sup>rd</sup>
  - Key terms (commercial, technical, financial) are substantially complete
- Labor Services Agreement
  - Key terms are substantially complete
    - LSA will align with terms and conditions defined in the CBA
    - Labor staffing, organization & oversight and dispute resolution have been addressed

