



CITY OF FORT LAUDERDALE

DRAFT
MEETING MINUTES
CITY OF FORT LAUDERDALE
INFRASTRUCTURE TASK FORCE ADVISORY COMMITTEE
FORT LAUDERDALE EXECUTIVE AIRPORT
RED TAILS CONFERENCE ROOM
6000 NW 21 AVENUE, FORT LAUDERDALE, FLORIDA
MONDAY, OCTOBER 2, 2023 – 2:00 P.M. TO 4:30 P.M.

January-December 2023

Attendance

Marilyn Mammano, Chair	P	8	0
Peter Partington, Vice Chair	P	6	2
Gerald Angeli	P	6	2
Shane Grabski	P	6	1
James LaBrie	P	9	0
Michael Lambrechts	P	6	2
Michael Marshall	P	4	3
Marta Reczko	P	1	1
Roosevelt Walters	P	8	0
Ralph Zeltman	P	10	0

As of this date, there are 10 appointed members to the Committee, which means 6 would constitute a quorum.

Staff

Chris Bennett, Assistant Director of Public Works – Strategic Support
Greg Chavarria, City Manager
Vickie Beauvais, Senior Administrative Assistant
Laura Reece, Director, Office of Management and Budget
Jamie Opperee, 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 2:02 p.m. Roll was called and it was noted a quorum was present.

ii. Approval of Agenda

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

iii. Approval of Previous Meeting Minutes – September 11, 2023

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

Mr. Grabski noted a correction to his attendance, which should reflect 7 meetings rather than 6. Mr. Zeltman stated that his attendance should reflect 9 meetings.

Mr. Zeltman also requested a correction to p.9, paragraph 6: “inflow and infiltration” should be “infiltration and inflow.”

In a voice vote, the **motion** passed unanimously (as corrected).

New member Marta Reczko introduced herself at this time.

2. Old Business

i. City Hall Replacement

Laura Reece, Director of the Office of Management and Budget, introduced Nicky Kolios of Zencity, who gave a presentation on how surveys are managed for Fort Lauderdale.

Mr. Kolios explained that Fort Lauderdale uses a power engage platform, which includes a landing page to inform residents about major projects and initiatives in infrastructure, development, public safety, education, and other concerns. Each project has its own landing page, and each of those landing pages allows for community engagement through various methods, such as surveys and/or message boards. Residents may participate in this engagement either online, by QR code, or through kiosks at in-person events.

Mr. Kolios reviewed the City’s landing page, which lists existing major projects. The City Hall rebuild would be included among these and would reflect basic information such as a project timeline, videos/photos, supporting documents, and surveys and/or message boards.

Vice Chair Partington commented that approximately 10% of City residents participate in public engagement, while the remaining 90% was less likely to visit the landing pages for projects. He asked how this larger percentage would be accounted for. Mr. Kolios replied that Zencity’s intent is to make engagement as simple as possible for the maximum number of individuals. They work with the City Staff members who are responsible for projects to determine the best way to reach a broad spectrum of residents across the community. This is typically achieved through a combination of

online and in-person engagement, using different in-person opportunities for participation. This may include members of the public who visit City Hall, libraries, recreation centers, and events.

Mr. Walters requested additional clarification on the type of engagement that will be offered through this platform, including the target audience and method of information distribution. Mr. Kolios stated that there are multiple opportunities for engagement, including:

- Collateral information that is available to all, including documents and contact information
- Surveys
- “Idea boards,” which allow respondents to provide their ideas to a response team as well as to up- or downvote existing ideas
- Message boards

Mr. Kolios continued that while Zencity does not distribute information for the City, they offer support for the City’s distribution. He would work with Staff to ensure the information is available to the maximum number of residents, using multiple avenues to reach a cross-section of the community.

Mr. Walters expressed concern that members of the community who may not attend City Commission meetings are likely to be the same members who may not regularly use libraries or attend homeowners’/civic association meetings. He emphasized the importance of making an effort to reach this population.

Mr. LaBrie asked if Zencity collects information on residents such as neighborhood location, longevity of residence in the City, or level of education. Mr. Kolios explained that the company does not collect this type of information.

City Manager Greg Chavarria emphasized that today’s presentation covers only one type of engagement. The City will provide comprehensive survey questions to capture responses. These surveys can be brought to the Committee before they are made available to the public. He added that one visioning session will be offered for each City Commission district in order to engage groups such as homeowners’ associations.

Chair Mammano observed that while the presentation has addressed some aspects of public engagement, there is still a need to ensure adequate distribution of information throughout the City, as well as the materials provided to the public and the questions asked of them.

Ms. Reczko advised that it will be critical to provide location information, including geographic information systems (GIS) data so residents will be aware of what is proposed near them. She suggested that in addition to offering surveys online or via QR codes, they could also be mailed to residents with tax assessment information and/or utility bills.

Mr. Chavarria thanked the Committee for agreeing to partner with the City to generate feedback on the City Hall project, including both conceptualization and potential design. He emphasized that surveys and landing pages are only one component of public outreach: other methods, such as a “telephone town hall,” may be used as well to reach every resident with a registered phone in Fort Lauderdale. This will help generate a comprehensive level of feedback from all communities for the City Commission to consider.

Mr. Chavarria introduced Sheryl Dickey, President of Dickey Consulting Services, which has facilitated workshops and charrettes in Fort Lauderdale and throughout South Florida for more than 25 years, partnering with various design firms, planners, and architects. Anson Stuart, President of the Fort Lauderdale chapter of the American Institute of Architects, explained that the Institute will lend its expertise in guiding the public involvement process.

Ms. Dickey advised that for the first workshop, her team proposes reviewing the guiding principles for City Hall as well as seeking input from attendees. Her team will show visuals of previous City Hall buildings so residents can see how City Hall has evolved over time. She also recommended allowing the public to hear ideas already proposed by the City Commission for the new City Hall and provide their input on these proposals. She noted that the first meeting will not be a design workshop, but will seek conceptual feedback. Chair Mammano suggested including an inventory of current City-owned buildings and their locations.

Chair Mammano asked if Ms. Dickey was in favor of asking the general public where they felt the new City Hall should be located, pointing out that responses are likely to be “all over the place” at this point in the process. Ms. Dickey replied that each of the workshops will include breakout tables staffed by facilitators, who can help prioritize the responses if that is the format the Committee wishes to follow.

Mr. LaBrie stated that he felt the City Commission had determined the new City Hall would be located Downtown, although they had not decided the parcel or parcels on which it would be housed. Mr. Chavarria confirmed that a majority of the City Commissioners had agreed most provisional, temporary City offices would be Downtown; however, he has also received feedback for three prospective locations, including the current City Hall site, the existing federal courthouse, or the Transportation and Mobility (TAM) building.

Vice Chair Partington asked if it has been decided that some part of City Hall needs to be Downtown, adding that if this is the case, a starting point to the discussion would be to determine how much of City government would be there. Mr. Chavarria explained that this is part of a discussion of the functionalities City Hall will need to have, such as a customer service presence and space for meetings with elected officials. He felt a

specific workshop will be needed to address this aspect alone. Ms. Dickey confirmed that she felt this would be appropriate for the second workshop.

Chair Mammano asked if Staff will take the information gathered at the first workshop to each individual district, or if each district meeting will address a different aspect of City Hall. Ms. Dickey replied that each workshop will include a recap of previous workshops.

Ms. Reczko noted that if a location other than Downtown is selected, the City will need to be able to tell residents why it is not in the same area as before, as other locations may be more difficult to access. She suggested that location could be determined in the final workshop.

Mr. Chavarria pointed out that all topics of this discussion are intertwined, and proposed it might be best for the public to provide input on their priorities. He also emphasized the importance of functionality in deciding how much space is needed.

Mr. Zeltman observed that it will be important for the Mayor, City Commissioners, and City Manager to provide certain constraints for the discussion, such as which Departments they would like to be included at City Hall. Ms. Dickey agreed, noting that when the current City Hall was built, the Commission had provided input on what they wished to be housed there.

Vice Chair Partington urged the Committee, Staff, and consultants not to be anchored to the past by what City Hall included in the 20th century, instead focusing on a design for the 21st century. He cited changes such as a decline in the need for office space, and noted that these changes, like available technologies, can occur very quickly.

Ms. Dickey confirmed that the workshops will address the topics raised by the Committee members, including allocation of space, amenities to be included, financing and procurement, and a recap of all topics at the end of the process.

Mr. Walters expressed concern that many residents have become accustomed to visiting one location for their needs as opposed to visiting a number of satellite offices in which different uses are housed. He was in favor of keeping the most crucial departments in one location for these residents, as they may have fewer transportation options available to them. He also pointed out that different sections of the City have different challenges, needs, and expectations.

Ms. Dickey confirmed that there will be different means of outreach for different parts of the City, including outreach to churches, libraries, parks, and other community facilities and centers. Outreach will also use a variety of social media platforms, with which the City will provide assistance. The workshops will also be announced at Commission meetings and through community association newsletters.

Mr. Angeli asked if there will be boundaries for the discussions at each workshop, focusing on specific aspects of the City Hall decision. Ms. Dickey confirmed this, clarifying that each workshop will discuss the pros and cons of these aspects and will follow an outline for that discussion.

Mr. Lambrechts noted that the former City Hall opened in 1969, and asked if there are historic sources that can clarify any mistakes that were made at that time and how things could have been improved upon. Chair Mammano suggested reaching out to former Mayors of Fort Lauderdale and requesting their input at a roundtable. Mr. Angeli pointed out that other Broward municipalities may be able to offer advice as well.

Ms. Reczko commented that there should also be consideration of how services are being provided at present, when there is no single City Hall location. Mr. Chavarria advised that services are currently being provided at the Development Services Department, which is located on 19th Avenue. While it offers convenience for residents paying bills or seeking building permits, this location represents a challenge for City Staff, as it is a very small space. Vice Chair Partington again stated that many of the functions that required residents to visit City Hall in the past can now be addressed through technology.

Chair Mammano observed that the Committee's next meeting is scheduled for November 6, 2023, and asked if it was realistic to "have a proposed product" to discuss ahead of the first workshop, with that workshop occurring at or near the end of November. Ms. Dickey replied that she agreed with this time frame.

Ms. Dickey recommended holding the workshops on Saturdays, as this would present fewer obstacles for the public who may wish to attend. She noted that the first Saturday following the end of November would be December 2, 2023.

Ms. Dickey also proposed that if Saturdays were not available for workshops, another possibility could be the Tuesday evenings on which the City Commission does not meet. It was noted that the Council of Fort Lauderdale Civic Associations meets on one of these two Tuesdays each month. Ms. Dickey confirmed that she would be able to bring this issue forward at the October Council of Fort Lauderdale Civic Associations meeting.

Mr. LaBrie requested clarification of what kind of data is available on how the City is functioning today in terms of the distribution of work between home and office. Mr. Chavarria replied that the City can assemble this so it can be used as a reference point in discussions of functionality. He added that while many City Staff members are working from home at present, this is not considered ideal for government.

Mr. Chavarria continued that a study was conducted in 2017 to examine what square footage would be appropriate for keeping governmental services together in a single location. He suggested that there may be a model in which spaces are shared, which

would minimize the need for space and make environmentally conscious operations more likely. He also noted that there is a need for more spaces in which the public can meet with Staff or officials.

Mr. LaBrie asked if the facilitators can provide information on what other city governments are doing to manage space-sharing, working from home, or other considerations. Mr. Stuart stated that this can be provided.

Vice Chair Partington stated that he would like to see a draft survey before it is finalized. Chair Mammano seconded this request, noting that surveys are the most useful when they provide options rather than leading respondents in any specific direction. Ms. Reece added that one consideration is providing a “mini-survey” for each topic, as well as a recap survey at the end of the process. Each survey would also allow residents who do not attend the workshops to provide a similar level of input to those who are present at each workshop.

Vice Chair Partington suggested that the surveys ask respondents what functions they expect of a City Hall, as well as information on their past experiences with that facility. Chair Mammano commented that this could provide an opportunity to educate the public about what goes on at City Hall.

Ms. Dickey provided the following prospective workshop dates:

- December 2, 2023
- January 13, 2024
- February 17, 2024
- March 16, 2024
- April 20, 2024

It was noted that each workshop date falls on a Saturday.

Mr. Chavarria advised that the first workshop will be a kickoff meeting to inform the public on where information on the process can be found, along with the survey. Because this meeting is intended to raise awareness at a high level, he pointed out that it can be held at an earlier date if that is the Committee’s wish. This first meeting could also be broadcast as a town hall-style meeting to reach a broader range of the population and inform them of the dates of pending meetings. Chair Mammano recommended against this, however, pointing out that a workshop is not necessary to provide this information to the public.

Vice Chair Partington asked if there might be a way to accelerate the workshops’ timeline. Chair Mammano pointed out that after the December 2, 2023 kickoff meeting, there will be no meetings over the holidays. She proposed that an additional meeting or meetings could be added in January and/or February. Mr. Chavarria confirmed that the kickoff meeting would be held in December 2023, with the more substantive meetings to follow in the new year.

Mr. Walters requested clarification of who would be informed about the planned workshops and proposals. Mr. Chavarria replied that his intent was to include the entire City. Once meeting dates have been finalized, the schedule will be posted on the City's website, along with the locations and content to be covered at each workshop. The first survey will also be available in advance of the first substantive workshop in January 2024.

Chair Mammano recommended that the kickoff meeting and subsequent workshops be widely advertised in the *Sun-Sentinel*. Ms. Dickey noted that this advertisement will be placed in additional outlets as well, including community newsletters.

Chair Mammano requested clarification of when the Committee's September 2023 communication to the City Commission would go before that body. Mr. Chavarria replied that the Commission has directed Staff to "return the check" for the public-private partnership (P3) proposal they have already received. He is working with the City Attorney on this process. Chair Mammano stated that she would attend the October 17, 2023 City Commission meeting at which the communication will be presented.

3. New Business

i. Henry E. Kinney Tunnel

Danielle Silva, Community Outreach Specialist for the Corradino Group, Mark Moshier, Florida Department of Transportation (FDOT) Project Manager, and Eric Baneras, Project Administrator, gave a PowerPoint presentation on the Henry E. Kinney Tunnel project, beginning with a design rendering of the project's plaza aspect. The project has two components: it extends from US 1 to I-595 on Broward Boulevard and from Las Olas Boulevard in front of the tunnel.

Construction on this project officially began in September 2021, and the overall completion date is estimated for spring 2024. The estimated cost is roughly \$28.4 million. The purpose of the project is to rehabilitate the structural, mechanical, and architectural safety components of the tunnel itself.

The extension of the project reaches 117 ft. north of Las Olas Boulevard and crosses over the tunnel. Overall plaza improvements include both the lower plaza and the extension, with new fountains, seating facilities, pavers, artificial turf, and new landscape installation. The Las Olas Boulevard interchange will also be constructed and SE 6th Avenue will be upgraded.

The project's emphasis is on safety improvements, including a new ventilation system to improve air flow within the tunnel. New LED lighting will be added to the tunnel, and stormwater pumps will be refurbished to alleviate concerns with potential flooding. Carbon dioxide and hydrocarbon detection centers will monitor air quality,

and fire connections and emergency signage will be upgraded. A motorist information system with message signs and cameras will be added to provide real-time monitoring and surveillance in order to improve incident response.

Project Administrator Eric Baneras addressed Intelligent Transportation Systems (ITS), which employ various cameras and sensors as well as communication technologies to ensure that motorists have a safer, more efficient travel experience. The tunnel's ITS systems include fire protection, temperature monitoring, door alarms, and ventilation. A Supervisory Control and Data Acquisition (SCADA) system serves as a hub that relays this information to ITS for monitoring.

Chair Mammano requested clarification of wiring on either side of the tunnel. Mr. Baneras explained that all of the systems being installed require significant data communication and power. They were installed on the tunnel's walls because there were no other realistic locations. The wiring will be covered with screening so its conduits are less unsightly.

Mr. Lambrechts asked if there are renderings of what the tunnel will look like on the inside once improvements are complete. Mr. Moshier replied that the original concept was to remove all tiles from the ceiling; however, this proved to be difficult, and it was determined that the tiles would be left in place for roughly three-quarters of the tunnel. This plan was reviewed and approved by state historical entities, as it preserved more of the existing historic structures. There will be few changes in the tunnel's appearance.

Mr. Zeltman requested additional information on the tunnel's pumping system. Mr. Moshier stated that there is no infiltration of water into the tunnel from above or below. Water flowing down from the roadway is addressed by six pumps, all of which are being replaced as part of the project. SCADA will monitor these pumps and alert the Transportation Management Center (TMC) as necessary.

Vice Chair Partington commented that the tunnel is often congested, particularly for northbound traffic, and asked if the signs will warn drivers of the need to stop ahead. Mr. Baneras replied that there is a lane indication system over each lane which will warn drivers not to enter. Two dynamic message signs are planned for the southbound direction, but do not address this specific concern. It is not possible to change the geometry of the tunnel from its original construction. Additional variable message signs and outside lane closures have been implemented to discourage traffic activity that contributes to congestion.

Mr. LaBrie commented that there is significantly more traffic than when the tunnel was originally constructed, which results in a backup approaching the tunnel. He asked if there is any signage that could detect stopped traffic in the tunnel and warn approaching drivers to slow down. It was noted that a camera system is planned

which will optimize traffic signals in the area; however, the project has not yet affected any traffic signal controllers thus far.

Mr. Lambrechts asked if Fort Lauderdale provided input on the tunnel project before it began. Ms. Silva replied that the City allocated funds for the tunnel top extension and plaza, and continues to be a partner for this portion of the project throughout construction. The tunnel rehabilitation portion, however, was designed by FDOT. The two pieces of the project are being undertaken at the same time to minimize the impact on the public.

Mr. Lambrechts also asked if there are plans for actual seating as part of the tunnel top project in order to create a more pedestrian-friendly environment. Ms. Silva provided photos of planned seating for the tunnel top extension. She also reviewed traffic configurations for the phases of the project, noting that the weather may affect implementation of these configurations. Quarterly traffic update meetings are held to keep the community informed.

4. Public Works Update

i. CIP Financial Report

ii. Water & Sewer Breaks Report w/Mapping

Chris Bennett, Assistant Director of Public Works (Strategic Support), reported that a water main break occurred at the Water Garden condominium, after which water sampling was done to ensure water was clean. When issues continued, the City approved an injection and flush of chlorine to provide a higher level of disinfection and also closed some contributing lines. After a second chlorine injection and flush were done, the water passed inspection.

Mr. Bennett advised that an emergency declaration was passed and the City has planned to pipe burst and drill to run new line around an area near Las Olas Boulevard and beneath the bridge. Pipes of varying sizes in this area will be replaced with 10 in .pipe from end to end, and new interconnections will be made between mains and buildings, as well as on 4th Street between Las Olas Boulevard and the river.

Chair Mammano requested information on how much this emergency project would cost. Mr. Bennett replied that the City hopes to keep the cost below \$2 million. The funds will come from the City's Water/Sewer Fund reserves, as well as from other projects that were being closed out financially.

Mr. Bennett stated that new pipe is being installed within the four-block zone of the project, and older pipes will be removed when possible and grout-filled as necessary. Most of the pipes will be upsized to 10 in. from their current size, and dead-end pipes will be removed. There will be overall improvements to the area.

Ms. Reczko requested clarification of the material in the older pipes. Mr. Bennett replied that these are either cast iron or ductile iron. He briefly reviewed the process used to burst these

pipes. Murphy Pipeline is the contractor for the emergency project. Ms. Reczko commented that there may also have been an additional break in the Water Garden pipe, which could be a reason it had taken some time to pass testing.

Vice Chair Partington stated that he had understood the reason it took some time to pass testing to be the presence of dead-end pipes. He observed that there would need to be additional care taken in the future with regard to allowing construction of large buildings in an area with dead ends. He continued that when new development is approved by the City, it is expected that all requisite infrastructure will be in place before the building is occupied, which shows a need for impact fees to be used toward renewal of pipes in areas such as Downtown before a similar situation occurs again.

Mr. Bennett explained that the City is currently doing more to improve this infrastructure than ever before, and the current team is better educated with regard to requiring upgrades for individual or multiple planned developments. They are working to become better at coordinating requirements for new development. He reiterated that the current emergency project will resolve multiple issues.

Chair Mammano requested information on the status of a contract for a consultant that will map the City's water system. Mr. Bennett replied that field data collection is expected to be complete for the mapping project later this month. It will take several more months to update GIS maps with this data. Both a prime contractor and multiple subcontractors are performing this work.

Chair Mammano also asked if the City is aware of any inadequacies in the water flow in its hydrants due to older pipes. Mr. Bennett explained that the City is aware of some concerns from a modeling perspective, but they are not aware of any hydrants that do not currently pass minimum requirements for the areas they serve.

Chair Mammano also requested more information regarding the chlorine injection for the condominium. Mr. Bennett advised that the City was permitted to use "an extra level of chlorination," which involved injection of extremely high levels of chlorine into one end of the pipe, followed by high-pressure directional flushing. This is only done in the event of an emergency and must be approved by the Florida Department of Environmental Protection (FDEP) as well as the Broward County Health Department.

Mr. Zeltman asked if Public Works coordinates with the Fire Department regarding fire flow testing of hydrants to ensure they meet the requirements of their zones. Mr. Bennett explained that if the Fire Department feels there are pressure issues in an area, they coordinate with Public Works, which examines models and works to determine where any pressure issues may begin.

5. General Discussion and Comments

i. Committee Members

None.

ii. Public Comments

None.

6. Adjournment – NEXT SCHEDULED MEETING DATE: Monday, November 6, 2023

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:30 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.]

REIMAGINING CITY HALL

FACILITATION PLAN



WeAreFTL



MEETING OBJECTIVES

- **Introduction** (*Sheryl Dickey*)
 - Workshop 1 purpose and objectives
- **Workshop Agenda** (*Sheryl Dickey*)
 - History of prior Fort Lauderdale City Halls
 - Information, data, and survey
 - Information about world-class city halls
- **Communications Plan** (*Ashley Doussard*)
 - Marketing methods
 - Virtual engagement
- **Workshop 1 Survey Questions** (*Aricka Johnson*)
- **Data & Information** (*Aricka Johnson*)
 - City facilities
 - City Hall staffing
 - Utility billing trends
- **ITF Feedback and Questions**

WORKSHOP FACILITATION TEAM

The logo for the Infrastructure Task Force (ITF) consists of the letters "ITF" in a bold, blue, sans-serif font, centered on a light gray rectangular background.

**Infrastructure
Task Force**



**Dickey
Consulting**



**American
Institute of
Architects**



**Office of
Management and
Budget**

SCHEDULE

DEC
2nd

Introduction

JAN
13th

Spacing Allocation

FEB
17th

Amenities

MAR
16th

Finance and Procurement Process

APR
20th

Review and Next Steps



WORKSHOP 1 – AGENDA

SATURDAY, DECEMBER 2

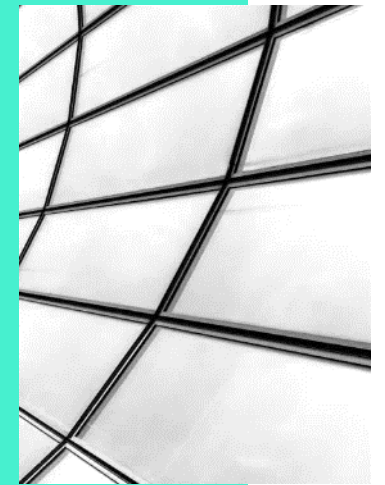
9:00 – 11:00 AM

FAU METROLAB

1. Welcome and introduction
2. History of prior Fort Lauderdale City Halls
3. Information about baseline data and survey results
4. Information and education of world-class city halls (American Institute of Architects)
5. Close

COMMUNICATIONS PLAN

- Engage Project Page
- City Website
- Social Media Campaign (e.g., Nextdoor, Facebook, X)
- Media (e.g., newspaper, TV, radio)
- Mayor and Commissioner Newsletters
- Email Distribution
- Postcards
- Water Bills
- Flyers at City Buildings & High Traffic Areas
- Community Stakeholders
- Partnerships (e.g., Riverwalk)



VIRTUAL ENGAGEMENT



Reimagined City Hall

Guiding Principle Workshops

As a result of the historic 1,000-year flood the City experienced in April 2023, the existing City Hall building was significantly damaged and needs replacement. The building, originally built in 1969, served as a central point for City business and engagement with public officials. However, the facility has been unable to evolve to meet the needed functions of a collaborative community and innovative staff. Additionally, due to the growth of the City and the staff serving it, the building was insufficient in size to house staff in a singular location.

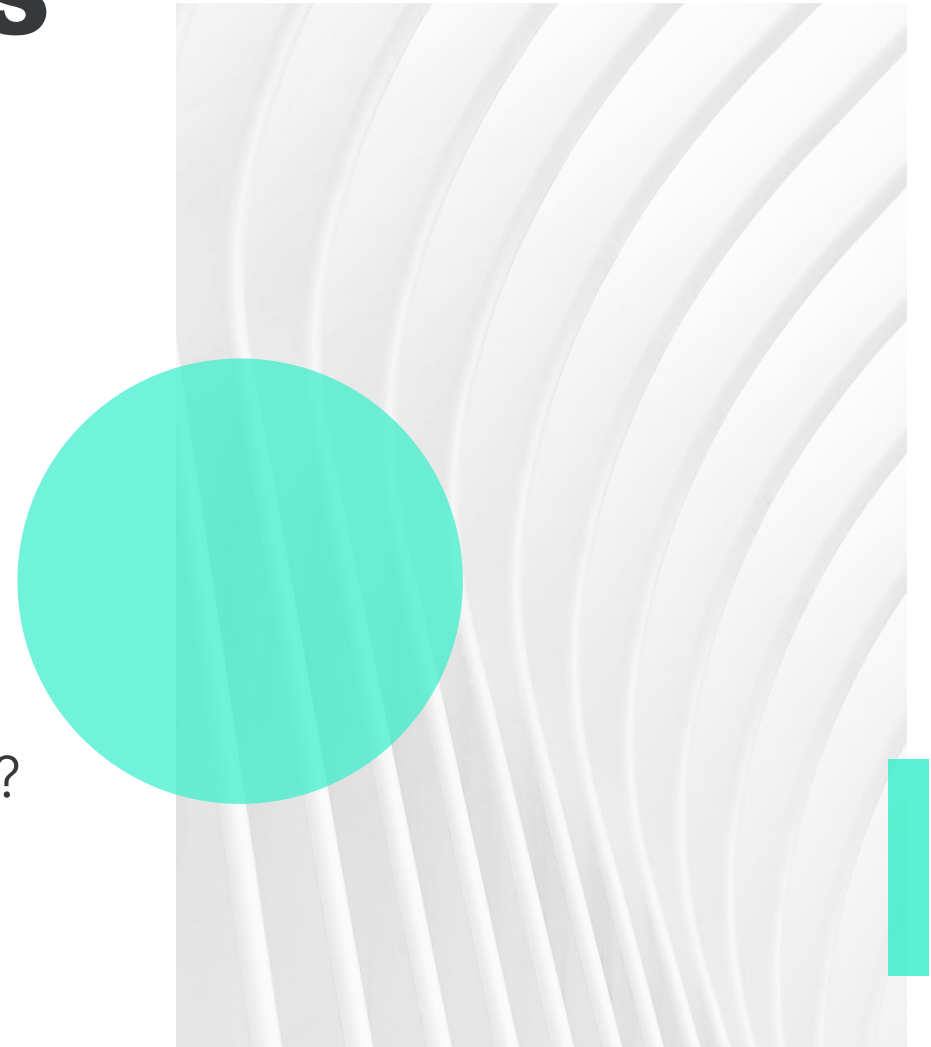
This project seeks the input of City neighbors to establish a set of principles that will guide the design and construction of a reimagined City Hall building, suited to meet the needs of today and tomorrow's neighbors and businesses. The effort is led by the City's Infrastructure Task Force in partnership with Dickey Consulting Services, Inc. and the American Institute of Architects' student chapter at Florida Atlantic University.

PROJECT TIMELINE



SURVEY QUESTIONS

1. How often do you go to City Hall?
2. Why do you go to City Hall?
3. What barriers do you have, or what prevents you, from accessing services at City Hall?
4. What services are important in a new City Hall?
5. Demographics (age, zip code)

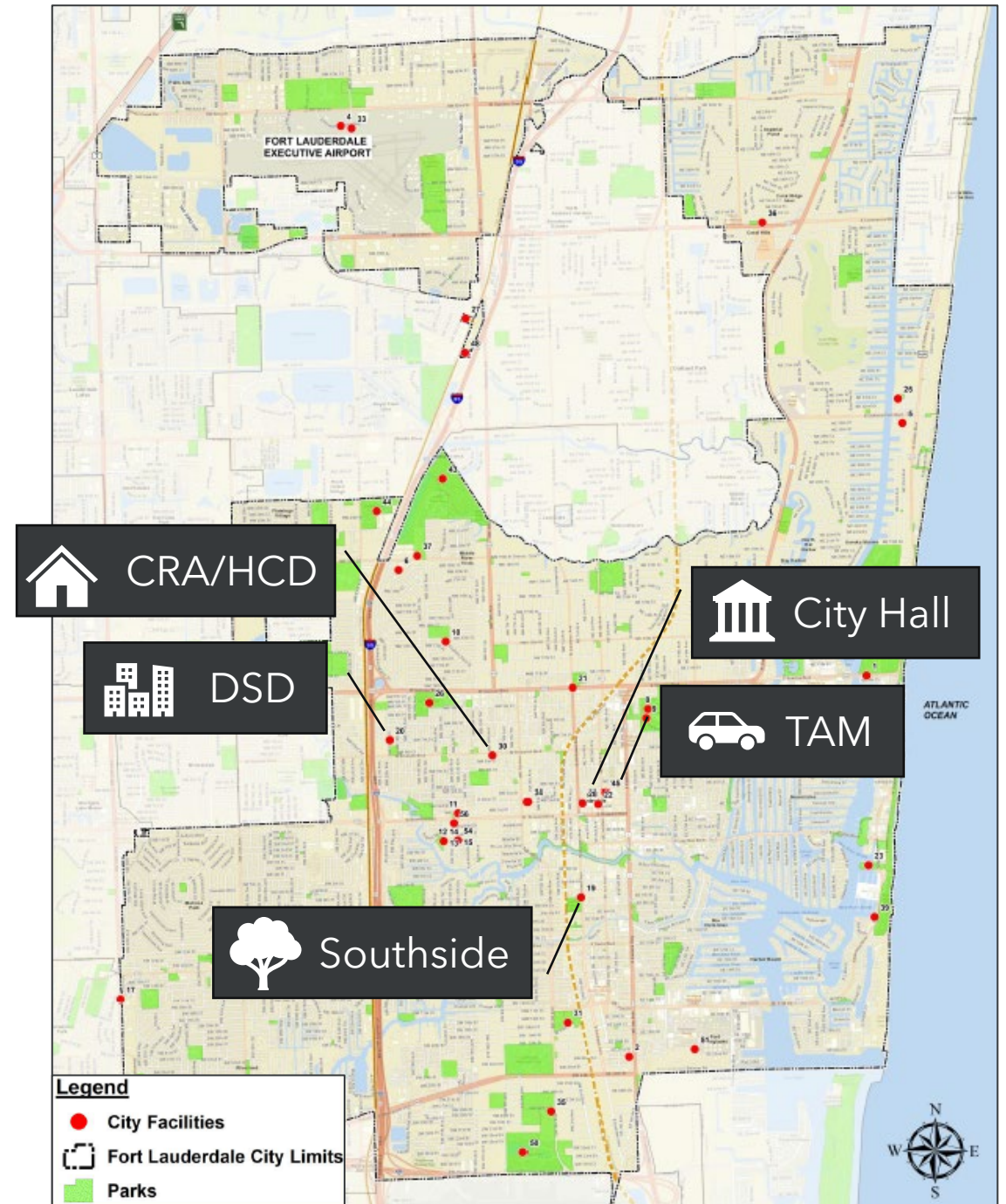




DATA & INFORMATION

CITY FACILITIES

- City Hall
- Tower 101
- Transportation & Mobility (TAM)
- Development Services (DSD)
- Community Redevelopment Agency
- Housing & Community Development (HCD)
- Southside Cultural Arts Center
- Various Parks/Fort Lauderdale Aquatics Center
- Fort Lauderdale Executive Airport
- Police Headquarters & Substations
- Fire/EMS Stations
- Public Works Administration
- Fiveash Water Treatment Plant
- Peele Dixie Water Treatment Plant
- Fleet Services



CITY HALL STAFFING

PRE-FLOOD

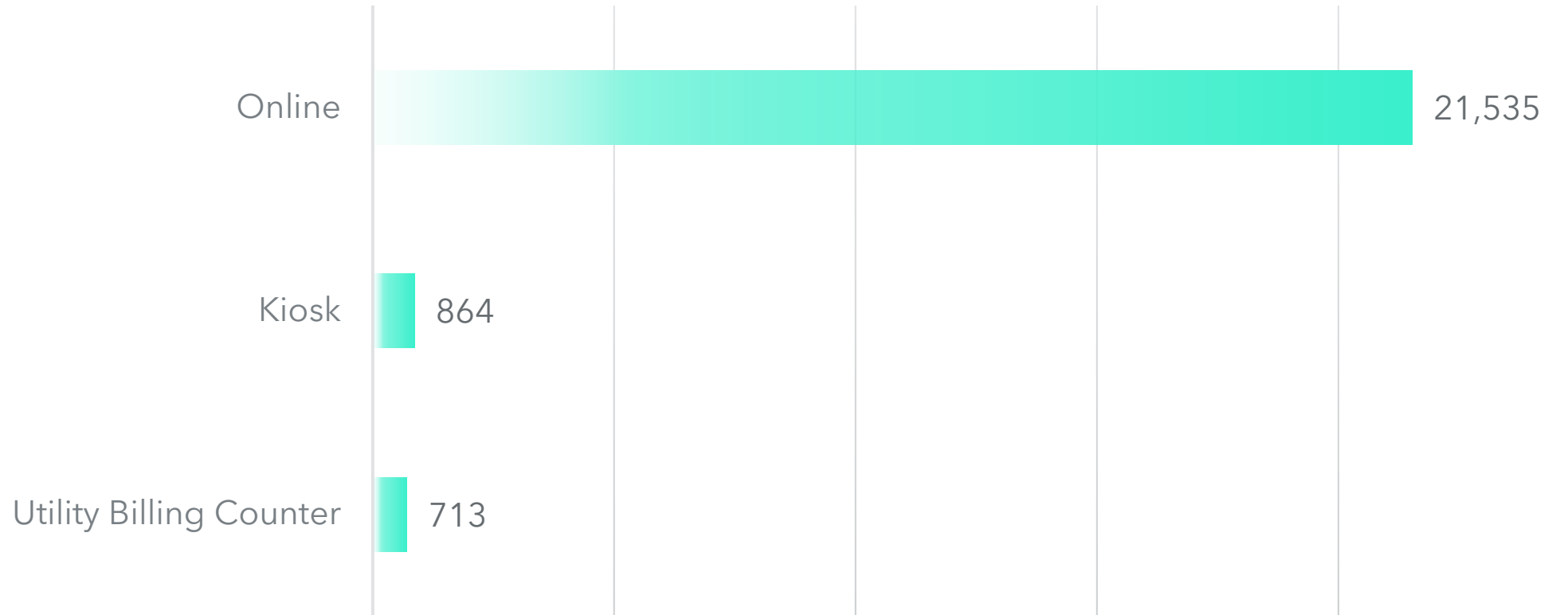
Department	Positions
City Commission	12
City Clerk	2
City Manager's Office	21
City Attorney's Office	19
Finance	74
Public Works	64
Human Resources	41
Information Technology	71
Total	310



UTILITY BILLING TRENDS

FEBRUARY 22 - MARCH 21, 2023

Estimated Number & Location Of Transactions



**The exact quantity of cash payment transactions from the Utility Billing Counter is not available for analysis; estimates were derived to mimic the percent of cash transactions at kiosks*



FEEDBACK & QUESTIONS



Fort Lauderdale Infrastructure and Resilience

Infrastructure Task Force
November 6, 2023

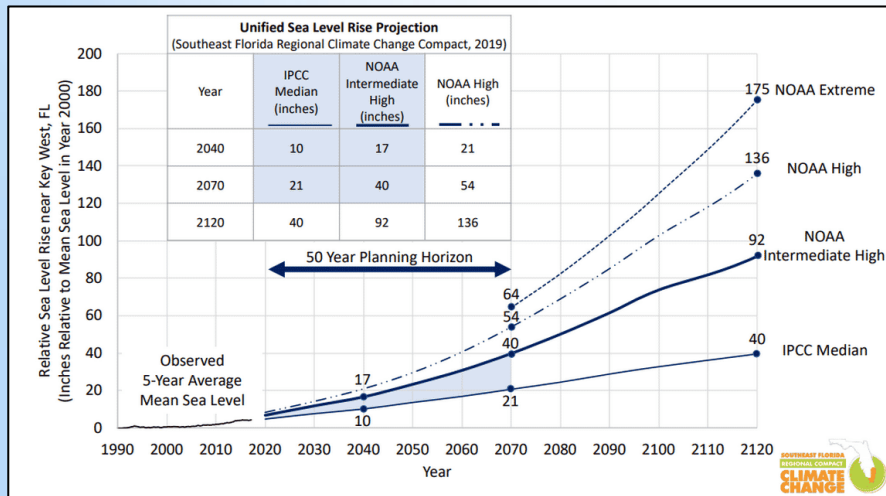


Climate Resilience

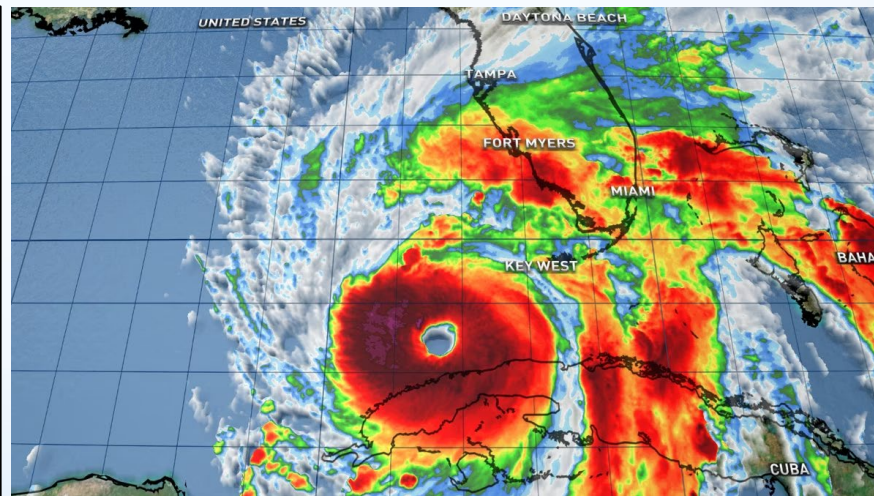
"The ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate."

Improving climate resilience involves assessing how climate change will create new, or alter current, climate-related risks, and taking steps to better cope with these risks.

Sea Level Rise



More Frequent & Intense Weather Events



Increasing Temperatures

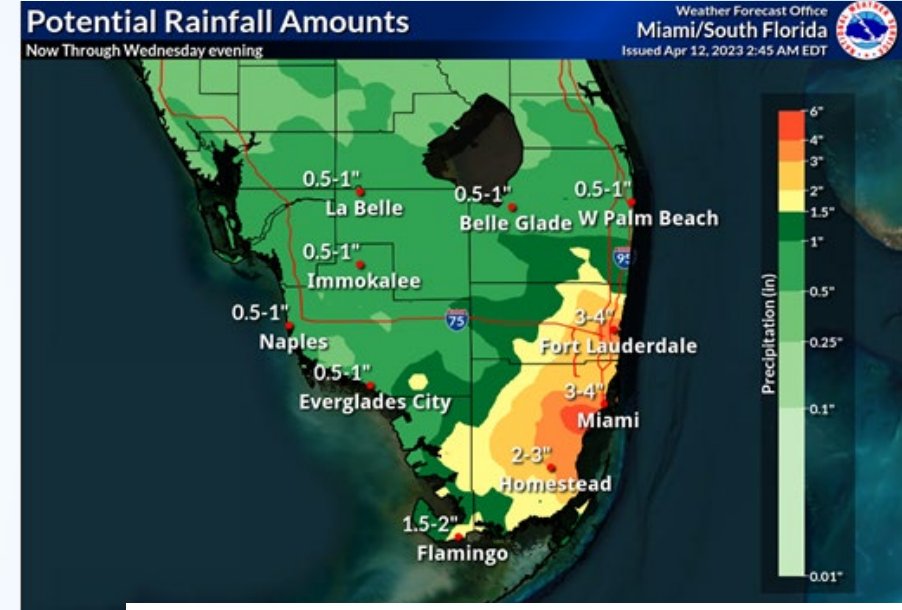




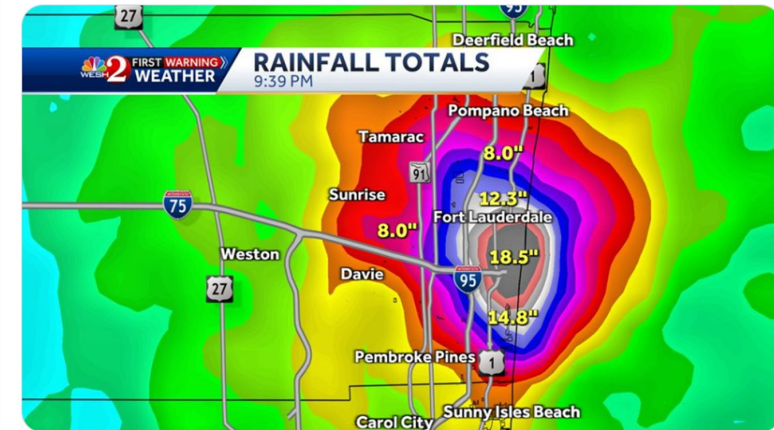
Rain Event and Rescue Operations

April 12 – 13, 2023

- 3:12 pm Melrose Manors flooding - 2 pump trucks respond
- 4:12 pm Flooding reported into homes in Edgewood
- 4:37 pm Edgewood received 8" rain
- 5:00 pm PW trucks pulled in for safety concerns
Kinney Tunnel Closed
- 5:30 pm Croissant Park received 10" rain
- 6:22 pm 11" rain reported across city
- 9:00 pm Partial Activation EOC
- 11:57 pm Emergency Proclamation Issued



Fort Lauderdale Airport is closed due to flooding...



9:41 PM · Apr 12, 2023 · 81.6K Views



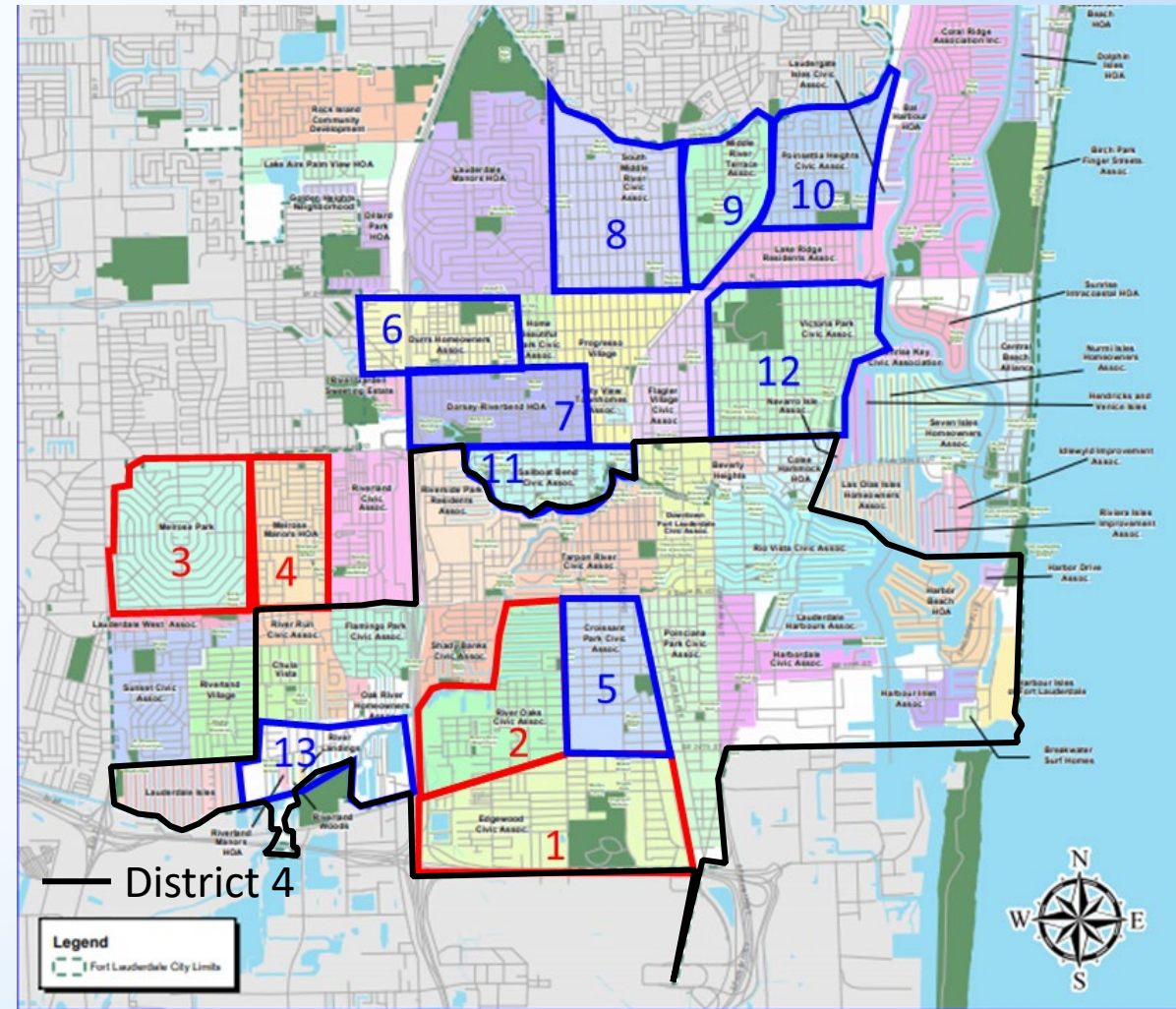


Neighborhoods Initially Reporting Major impacts - April 13, 2023

Initial Flooding Assessment – Heavily Impacted Neighborhoods

- | | |
|---------------------|-------------------------|
| 1) Edgewood | 8) South Middle River |
| 2) River Oaks | 9) Middle River Terrace |
| 3) Melrose Park | 10) Poinsettia Heights |
| 4) Melrose Manors | 11) Sailboat Bend |
| 5) Croissant Park | 12) Victoria Park |
| 6) Durrs | 13) River Landing |
| 7) Dorsey Riverbend | |

- All neighborhoods experienced some degree of flooding, but many neighborhoods returned to normal conditions by April 14, 2023 even after an additional 3-inch rain event on April 13, 2023
- Heavily impacted neighborhoods have undersized or little/no stormwater infrastructure and were highly influenced by groundwater levels and/or lack of discharge capacity





Recovery Operations Key Topics

- Canal and groundwater levels had a significant impact on Fort Lauderdale's drainage capacity
- Intergovernmental cooperation with FDOT, SFWMD, Broward County, and adjacent communities necessary to operate our stormwater systems
- Pre-positioned emergency contracts and mutual aid are critical to supporting recovery operations
- Portable pumps, when they can be used, are much more effective than Vactor/Pumping Trucks as expedient solutions
- Integration of Customer Service Complaints, GIS mapping, and recon teams helps to improve situational awareness (assessment and prioritization)
- New infrastructure in Edgewood and River Oaks neighborhoods greatly facilitated draining flood waters





Designing Adaptive, Resilient Infrastructure

Considerations

- Existing topography, building and roadway elevations that may restrict options for improvements
- Designing for high frequency/low intensity events vs extreme events
- Performance of existing infrastructure based on past conditions
- Future developmental needs
- Future climate scenarios (SLR, extreme rain, groundwater)
- Overlapping City, County, and State infrastructure and jurisdictions
- Environmental and regulatory requirements
- Cost and affordability



➤ **Achieving a higher stormwater Level of Service may not be possible in some areas**



Stormwater Utility

Overview

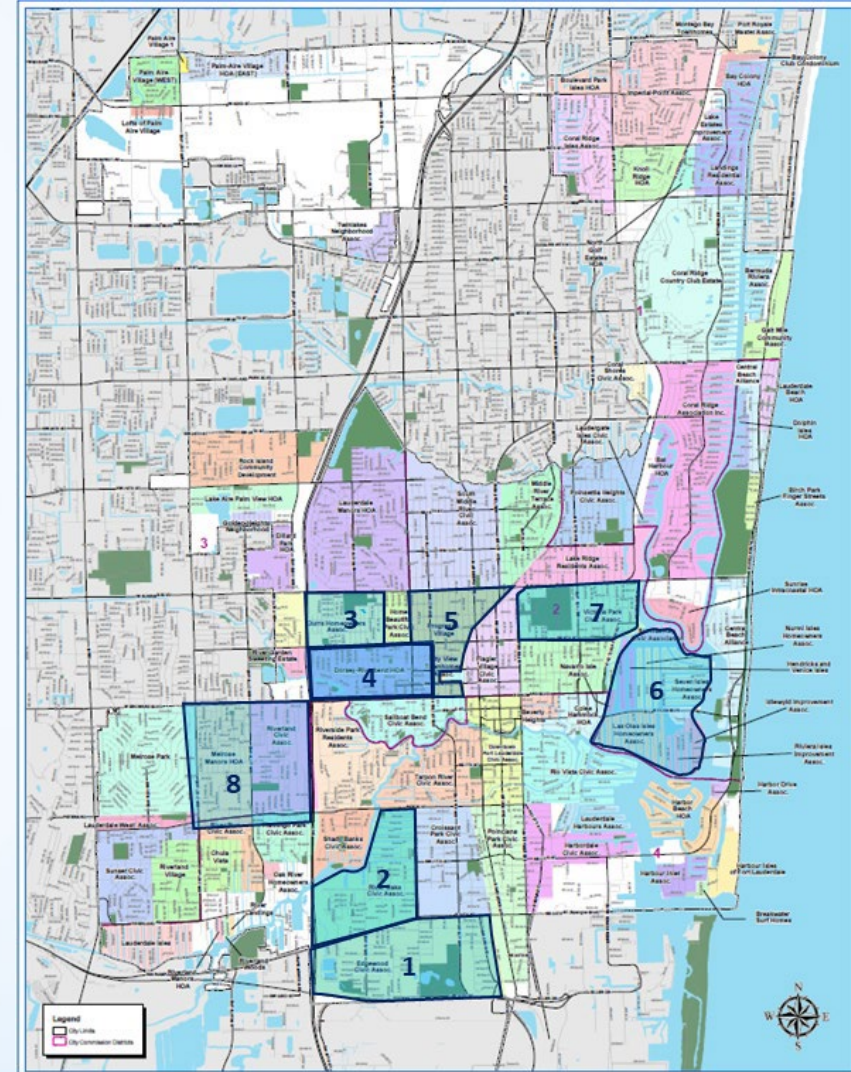
- System consists of 171 miles of storm pipe, 2,324 manholes 1,258 outfalls, 8,288 catch basins, 200+ tidal valves, 4 Pump Stations
- Master Plan Completed in 2018 and updated in 2021 included design for 1st 8 priority neighborhoods (Tranche 1)

Issues / Challenges

- Undersized/ no infrastructure in neighborhoods
- Climate Change: sea level rise, and more intense rains
- Funding/staffing for large scale Stormwater improvements
- Funding for maintenance

Opportunities

- Accelerate construction of Tranche I neighborhoods (\$210M)
- **Fortify Lauderdale**
 - Increase number of neighborhoods in Tranche II (7 to 17)
 - Accelerate Phase 1 work (modelling, Level of Service analysis, preliminary design, and permitting)
 - Personal Property Resilience program
 - Increased funding for Operational efforts





Stormwater and Resilient Neighborhoods

How do We Adapt to Climate Change and Address Flooding Risks?

Stormwater Program

Improve drainage in our most vulnerable neighborhoods

- **First 8 Neighborhoods** funded with \$210M Bonds
- **Increased Level of Service** to increase drainage of rainwater off streets
- **8 Additional Pump Stations** to drain water from low lying areas
- **Inspected and Cleaned** annually to reduce blockages

Shorelines and Seawalls

Reduce flooding caused by extreme high tides and SLR

- **Minimum Elevation** raised to 5' NAVD to reduce overtopping
- **Tidal Valves** installed to reduce street flooding through outfalls
- **Seawall Replacement Program** to replace obsolete seawalls based on condition and top elevation

Assess and Mitigate Risk

Reduce impacts from extreme weather events

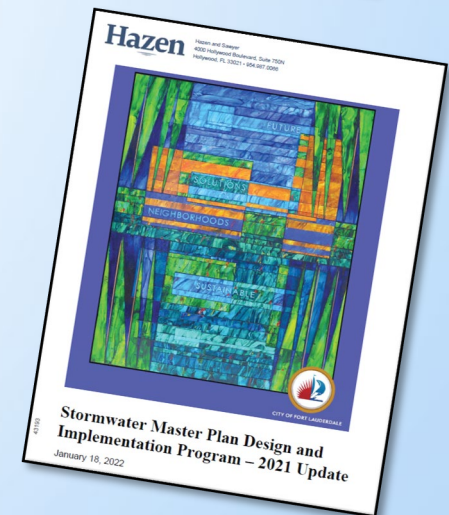
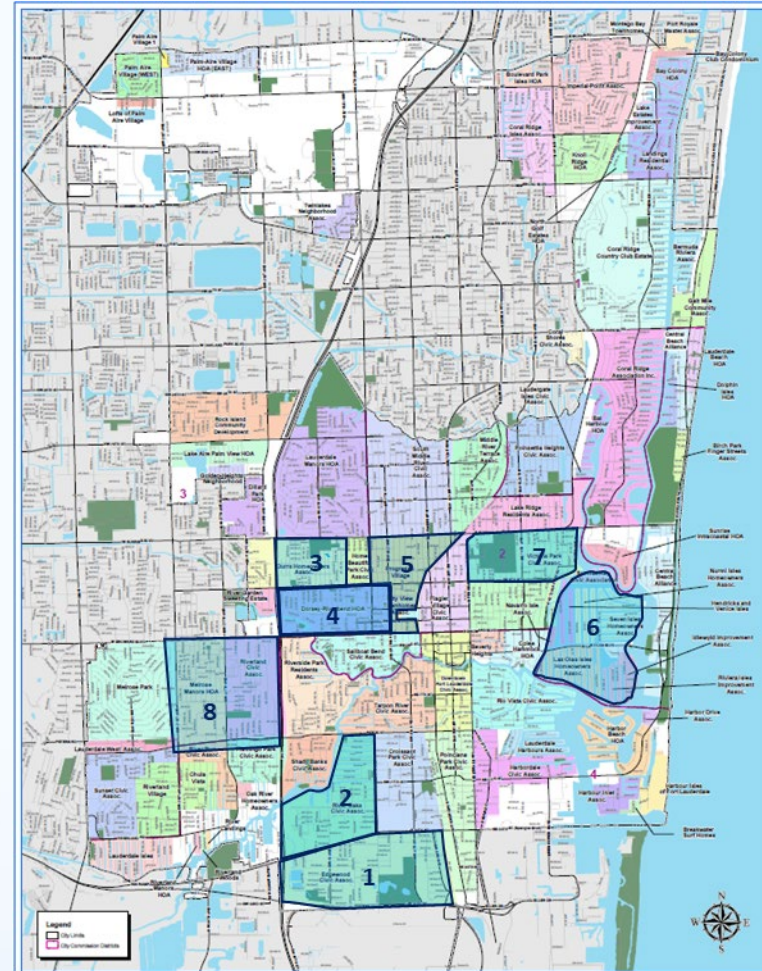
- **Vulnerability Assessment** to identify high risks and develop mitigation strategies
- **Response Plans** to deploy vector trucks, temporary pumps, and other measures to reduce impacts
- **Backup Power and Redundancy** for critical infrastructure
- **Flood Insurance** for private properties





Stormwater Master Plan – Tranche I Status

1. Edgewood: In Construction
2. River Oaks: In Construction
3. Durrs: Design Complete; In Bidding
4. Dorsey-Riverbend: Design Complete; Bidding Nov 2023
5. Progresso Village: Design being updated; Bidding Oct 2024
6. Southeast Isles: Design being updated; Bidding May 2025
7. Victoria Park: Design being updated; Bidding Feb 2025
8. Melrose Manors/Riverland Civic: In Design; estimated completion of design in Dec 2024





Fortify Lauderdale

Goal

Improve Resilience to Impacts of Climate Change Within Our Most Vulnerable Neighborhoods and Communities

- Citywide vulnerability assessment
- ULI panel to develop policy recommendations associated with low elevations and roadways
- Accelerate [\\$500M](#) in stormwater infrastructure improvements in [17 neighborhoods](#) with all construction to be completed in [10 years](#)
- Increased funding for seawalls, roadways, and bridges
- Improved resilience standards for existing stormwater infrastructure
- Increased staffing and prioritization of stormwater program
- Resilient Home Improvements Education campaign for residents
- Flood Insurance awareness campaign





Summary

We are making significant infrastructure advances over the next five years to ensure the city's infrastructure is resilient and sufficient for future growth and economic prosperity.

Our strategic community investments, considering adaptation and resiliency, are important now and for future generations.

Improvements have to be phased over time based on available City staffing, contracting resources, and funding

There are challenges with aging infrastructure and increasing maintenance needs, however our Community Investment Plan balances maintenance and infrastructure investments to provide for the long term needs of our neighbors.

**Water & Sewer Bond Expenditures Summary
as of 10/23/2023**

Bond Funded Projects by Category	Total Budget Amount	Actuals as of 10.23.23	% Spent to Date as of 10.23.23	Encumbrances as of 10.23.23	Commitments as of 10.23.23	Remaining Balance as of 10.23.23
Finance	23,595,311	21,505,251	91%	1,244,441	-	845,619
Fiveash Upgrades	24,194,845	10,009,645	41%	4,857,849	1,220,000	8,107,351
GTL Upgrades	15,527,725	267,507	2%	1,785,661	12,796,673	677,884
I&I	17,303,547	15,114,988	87%	47	474,074	1,714,438
Master Plan/Report	2,109,625	1,174,431	56%	451,701	-	483,493
Peele Dixie Upgrades	163,133	97,125	60%	-	-	66,008
Sewer Basin	1,821,149	1,360,242	75%	29	103,775	357,104
Sewer Force main	99,176,649	81,445,697	82%	4,261,282	6,564,634	6,905,036
Watermain	20,546,519	20,132,829	98%	215,020	-	198,670
Grand Total	204,438,503	151,107,715	74%	12,816,029	21,159,157	19,355,603

Index Code / Project Title	Category	Project Status	Budget	Actuals as of 10.23.23	% Spent to Date as of 10.23.23	Encumbrances as of 10.23.23	Commitments as of 10.23.23	Remaining Balance as of 10.23.23
FD495.01 WATER & SEWER MASTER PLAN 2017	Finance	Implementation	21,611,457	19,646,690	91%	1,206,738	0	758,029
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017	Finance	Implementation	1,983,854	1,858,561	94%	37,703		87,590
P10814.495 CENTRAL NEW RIVER W/MAIN RIVER CROSSING	Watermain	Construction	1,364,925.70	976,105.31	72%	215,020.00	0.00	173,800
P10850.495 VICTORIA PARK A NORTH-SMALL WATERMAINS	Watermain	Warranty	4,435,773.00	4,434,667.95	100%	0.00	0.00	1,105
P11080.495 PORT CONDO SMALL WATER MAIN IMPROVEMENTS	Watermain	Close-Out	932,320.00	915,441.85	98%	0.00	0.00	16,878
P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB	I&I	Construction	5,832,153.00	5,783,483.48	99%	6.11	53,558.00	-4,895
P11566.495 RIO VISTA SEWER BASIN D-43 REHAB	I&I	Construction	4,268,936.00	4,268,920.77	100%	14.31	0.00	1
P11589.495 FIVEASH WTP DISINFECTION IMPROVEMENTS	Fiveash Upgrades	Construction	15,915,532.97	2,915,138.86	18%	3,962,070.34	1,220,000.00	7,818,324
P11887.495 NW SECOND AVE TANK RESTORATION	Fiveash Upgrades	Construction	40,000.00					40,000
P11901.495 VICTORIA PK STH SM WATERMAINS IMPROVEMNT	Watermain	Warranty	5,149,658.00	5,142,771.80	100%	0.00	0.00	6,886
P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION	I&I	Construction	2,000,000.00	284,034.22	14%	0.00	219,073.00	1,496,893
P12049.495 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS	I&I	Construction	1,318,983.00	895,087.27	68%	13.66	201,442.94	222,439
P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB	I&I	Construction	3,883,475.00	3,883,462.43	100%	12.57	0.00	0
P12133.495 PUMP STN A-13 REDIRECTION E OF FEDERAL	Sewer Force main	Complete	478,013.50	478,013.50	100%	0.00	0.00	0
P12180.495 CROISSANT PARK SMALL WATER MAINS	Watermain	Complete	2,822,718.37	2,822,718.37	100%	0.00	0.00	0
P12184.495 DAVIE BLVD 18" WM ABAN I-95 TO SW 9 AVE	Watermain	Hold	297,692.25	297,692.25	100%	0.00	0.00	0
P12202.495 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN	Sewer Basin	Complete	1,224,357.61	1,224,357.61	100%	0.00	0.00	0
P12319.495 EMERG REPAIR 30" FM - REPUMP TO GTL WWTP	Sewer Force main	Complete	2,697,299	2,697,299	100%	0	0	0
P12352.495 S MIDDLE RIVER FORCE MAIN RIVER CROSSING	Sewer Force main	Finance	609,000	609,000	100%	0	0	0
P12367.495 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Project Initiation Planning	-	-	-		0	0
P12367.496 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Project Initiation Planning	-	-	-		0	0
P12368.495 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation Planning	-	-	-		0	0
P12368.496 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation Planning	-	-	-		0	0
P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Project Initiation Planning	1,462,500.00	1,013,110.63	69%	449,183.20	0.00	206
P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Project Initiation Planning	115,000.00	112,483.06	98%	2,517.35	0.00	0
P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT	Sewer Force main	Project Initiation Planning	4,784,890.00	556,822.24	12%	399,268.99	3,730,343.47	98,455
P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM	Sewer Force main	Project Initiation Planning	2,096,690.00	693,143.21	33%	629,256.03	680,482.00	93,809
P12385.496 SE 10TH AV 48" FM REPL & 36" BYPASS	Sewer Force main	Cancelled	18,326	18,326	100%		0	0
P12386.496 54" FM RPL SE 9TH/10TH AV & NEW PARALLEL	Sewer Force main	Cancelled	6,072	6,072	100%		0	0

Index Code / Project Title	Category	Project Status	Budget	Actuals as of 10.23.23	% Spent to Date as of 10.23.23	Encumbrances as of 10.23.23	Commitments as of 10.23.23	Remaining Balance as of 10.23.23
P12387.496 EFFLUENT MAIN REHABILITATION	Sewer Force main	Bidding	3,184,000.00	679,358.64	21%	253,839.47	2,153,809.00	96,993
P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT	Sewer Force main	Warranty	3,313,090.00	3,022,303.44	91%	289,396.02	0.00	1,391
P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH	Sewer Force main	Complete	2,112,550.00	2,105,749.34	100%	0.00	0.00	6,801
P12390.495 16" FM ALONG LAS OLAS BLVD PHASE 2	Sewer Force main	Complete	2,410,943.21	2,410,943.21	100%	0.00	0.00	0
P12391.495 BERMUDA RIVIERA SML WTRMN IMPROVEMENTS	Watermain	Complete	4,424,433.33	4,424,433.33	100%	0.00	0.00	0
P12393.495 FIVEASH ELEC SYSTM REPLACEMENT (2015-20)	Fiveash Upgrades	Design	256,827.50	28,188.00	11%	0.00	0.00	228,640
P12395.495 PEELE DIXIE ELECTRICAL STUDIES	Peele Dixie Upgrades	Master Plan & Report	63,133.00	63,133.00	100%	0.00	0.00	0
P12396.495 PEELE DIXIE SURGE PROTECTION UPGRADES	Peele Dixie Upgrades	Construction	100,000.00	33,991.82	34%	0.00	0.00	66,008
P12399.495 FIVEASH WTP PCCP REPLACEMENT	Fiveash Upgrades	Complete	33,511.00	30,379.00	91%	0.00	0.00	3,132
P12400.495 PROSPECT WELLFIELD ELC STUDIES & TESTING	Master Plan/Report	Project Initiation Planning	185,000.00	1,168.00	1%	0.00	0.00	183,832
P12402.495 PEELE DIXIE WELLFIELD ELC STUD & TESTING	Master Plan/Report	Complete	47,669.50	47,669.50	100%	0.00	0.00	0
P12404.495 EXCAVATE & DISPOSE OF DRY LIME SLUDGE	Fiveash Upgrades	Warranty	4,228,973.31	4,228,973.31	100%	0.00	0.00	0
P12406.496 REDUNDANT FORCE MAIN FROM B-REPUMP	Sewer Force main	Cancelled	10,377	10,377	100%		0	0
P12407.495 SUBACQUEOUS FM CROSSING REINSTATEMENT	Sewer Force main	Cancelled	-	-	-		0	0
P12410.495 PUMP STATION C-1 REPLACEMENT	Sewer Force main	Hold	620,000	39,935	6%	0	0	580,065
P12412.495 PUMP STATIONS A-16 UPGRADE	Sewer Force main	Construction	3,000,000	1,042,688	35%	1,943,181	0	14,131
P12413.495 FM FROM PUMP STN D-35 TO D-36 UPSIZE	Sewer Force main	Complete	517,445	517,445	100%	0	0	0
P12414.495 GRAVITY PIPE IMPV TO DWNTWN COL SYSTM	Sewer Force main	Hold	3,335,370	193,227	6%	0	0	3,142,143
P12415.495 PUMP STATION A-7 UPGRADE	Sewer Force main	Close-Out	2,582,889	2,396,575	93%	0	0	186,313
P12418.495 WTR & W/WTR D & C SYSTEM MAPPING	Master Plan/Report	Project Initiation Planning	-	-	-		0	0
P12419.495 FORCE MAIN ASSESSMENT	Master Plan/Report	Complete	-	-	-		0	0
P12419.496 FORCE MAIN ASSESSMENT	Master Plan/Report	Complete	-	-	-		0	0
P12456.495 SEWER BASIN D-40 REHAB	Sewer Basin	Construction	169,237	64,665	38%	29	103,775	769
P12463.495 CORAL SHORES SML WATERMAIN IMPROVEMENTS	Watermain	Warranty	1,118,998	1,118,998	100%	0	0	0
P12485.495 FIVEASH WTP FILTERS REHABILITATION	Fiveash Upgrades	Construction	3,720,000	2,806,966	75%	895,779	0	17,256
P12528.496 GTL CHLORINE FLASH MIX REMODEL	GTL Upgrades	Construction	1,527,725	9,882	1%	1,510,340	0	7,503
P12529.496 EFFLUENT PMP STNBY GENERATOR & ADMIN BLD	GTL Upgrades	Bidding	14,000,000	257,625	2%	275,321	12,796,673	670,381
P12566.496 REDUNDANT SEWER FM NORTH TO GTL WWTP	Sewer Force main	Complete	25,225,638	25,203,118	100%	0	0	22,520
P12567.496 REDUNDANT SEWER FM SOUTH TO GTL WWTP	Sewer Force main	Close-Out	33,722,015	33,722,015	100%	0	0	0
P12569.495 NE 5TH STREET FORCE MAIN IMPROVEMENT	Sewer Force main	Complete	1,928,910	1,928,910	100%		0	0
P12570.495 36TH STREET FORCE MAIN IMPROVEMENT	Watermain	Complete	-	-	-		0	0
P12605.495 NEW PUMPING STATION FLAGLER VILLAGE A-24	Sewer Force main	Construction	681,244	501,432	74%	170,479	0	9,333
P12608.495 TRIPLEX PUMPING STATION FLAGLER VILLAGE A-24	Sewer Force main	Design	502,013	5,269	1%	196,554	0	300,190
P12618.495 DOLPHIN ISLES B-14 SEWER BASIN REHAB	Sewer Basin	Project Initiation Planning	427,555	71,220	17%	0	0	356,335
P12619.495 BAYVIEW DR 16" FM TO PUMP STATION B-14	Sewer Force main	Design	2,530,000	95,579	4%	81,528	0	2,352,892
P12620.495 LAS OLAS MARINA PUMP STATION D-31	Sewer Force main	Project Initiation Planning	2,500,000	2,202,221	88%	297,779	0	0
P12628.495 INTERLOCAL AGREEMENT WITH POMPANO BEACH	Master Plan/Report	Project Initiation Planning	299,455		0%			299,455
P12731.495 GRAVITY SWR RPR BAYVIEW FRM 36 TO 40 ST	Sewer Force main	Warranty	309,875	309,875	100%	0	0	0
Totals			204,438,503	151,107,715	74%	12,816,029	21,159,157	19,355,603

The commitment column is a new field in the City's Financial system and is used for the be bid purchase orders that are necessary for our consultants and construction contracts as well as Purchase Orders that are currently in process of being executed

Consent Order Projects Financial Report Summary
as of 10/23/2023

Consent Order Projects by Category	Total Budget Amount	Actuals as of 10.23.23	% Spent to Date as of 10.23.23	Encumbrances as of 10.23.23	Commitments as of 10.23.23	Remaining Balance as of 10.23.23
GTL Upgrades	\$ 28,295,566	\$ 442,384	2%	\$ 7,959,133	\$ 17,824,861	\$ 2,069,188
I&I	\$ 37,841,397	\$ 28,776,149	76%	\$ 2,880,152	\$ 2,075,161	\$ 4,109,936
Master Plan/Report	\$ 14,617,161	\$ 8,855,218	61%	\$ 1,244,233		\$ 4,517,710
Sewer Basin	\$ 2,164,992	\$ 2,164,992	100%	\$ 0		\$ (0)
Sewer Force Main	\$ 119,072,024	\$ 105,184,547	88%	\$ 1,571,761	\$ 11,934,206	\$ 381,509
Stormwater	\$ 50,297,897	\$ 33,774,278	67%	\$ 16,474,874		\$ 48,745
Grand Total	252,289,038	179,197,568	71%	30,130,153	31,834,228	11,127,088

Consent Order Projects Financial Report
as of 10/23/2023

Index Code / Project Title	Category	Project Status	Total Budget Amount	Actuals as of 10.23.23	% Spent to Date as of 10.23.23	Encumbrances as of 10.23.23	Commitments as of 10.23.23	Remaining Balance as of 10.23.23
P11563.454 VICTORIA PARK SEWER BASIN A-19 REHAB			1,606,619	1,525,725		-	71,637	9,257
P11563.482 VICTORIA PARK SEWER BASIN A-19 REHAB			-	-				-
P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB			5,832,153	5,783,483		6	53,558	(4,895)
P11563 TOTAL PROJECT COSTS	I&I	Construction	7,438,772	7,309,209	98%	6	125,195	4,362
P11566.454 RIO VISTA SEWER BASIN D-43 REHAB			3,173,431	2,509,643		142,865	109,820	411,103
P11566.482 RIO VISTA SEWER BASIN D-43 REHAB			381	381		-		-
P11566.495 RIO VISTA SEWER BASIN D-43 REHAB			4,268,936	4,268,921		14		1
P11566 TOTAL PROJECT COSTS	I&I	Construction	7,442,748	6,778,944	91%	142,879	109,820	411,105
P11842.470 EDGEWOOD STORMWATER PRELIMINARY DATA & REPORT			1,928,448	1,928,448		-		0
P11842.473 EDGEWOOD STORMWATER PRELIMINARY DATA & REPORT			16,846,632	11,966,242		5,105,301		(224,911)
P11842 TOTAL PROJECT COSTS	Stormwater	Construction	18,775,080	13,894,690	74%	5,105,301		(224,911)
P11868.470 RIVER OAKS STORMWATER ANALYSIS			957,578	939,830		-		17,748
P11868.473 RIVER OAKS STORMWATER ANALYSIS			29,035,000	18,664,484		11,359,094		(988,578)
P11868 TOTAL PROJECT COSTS	Stormwater	Construction	29,992,578	19,604,315	65%	11,359,094	-	(970,831)
P11879.454 PUMP STATION B-10 REHAB			1,908,427	1,908,427		-		-
P11879 TOTAL PROJECT COSTS	Sewer Force Main	Complete	1,908,427	1,908,427	100%	-		-
P11881.454 PUMP STATION D-45 REHABILITATION			509,868	509,868		-		-
P11881 TOTAL PROJECT COSTS	Sewer Force Main	Complete	509,868	509,868	100%	-		-
P11991.454 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			9,664,894	5,496,995		2,737,240	-	1,430,659
P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			2,000,000	284,034		-	219,073	1,496,893
P11991 TOTAL PROJECT COSTS	I&I	Construction	11,664,894	5,781,029	50%	2,737,240	219,073	2,927,551
P12001.454 SEWER BASIN D-40 REHAB			731,713	731,713		-		-
P12001.482 SEWER BASIN D-40 REHAB			3,766	3,766		-		-
P12001 TOTAL PROJECT COSTS	Sewer Basin	Complete	735,479	735,479	100%	-		-
P12049.454 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS			2,807,469	1,209,044		-	1,248,425	350,000
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	895,087		14	201,443	222,439
P12049 TOTAL PROJECT COSTS	I&I	Construction	4,134,707	2,112,386	51%	14	1,449,868	572,439
P12055.454 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			3,276,801	2,911,117		-	171,205	194,479
P12055.482 BASIN A-18 SANITARY SWR COLL SYSTM REHAB				-		-		-
P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			3,883,475	3,883,462		13		0
P12055 TOTAL PROJECT COSTS	I&I	Construction	7,160,276	6,794,580	95%	13	171,205	194,479
P12124.454 CNTRL BCH ALLIANCE PUMP STN REPLAC D-41			2,132,448	2,132,448		-		0
P12124 TOTAL PROJECT COSTS	Sewer Force Main	Complete	2,132,448	2,132,448	100%	-		-
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		-		-
P12133 TOTAL PROJECT COSTS	Sewer Force Main	Complete	4,625,610	4,625,610	100%	-		-
P12177.454 E LAS OLAS 12" FORCE MAIN REPLACEMENT			1,689,730	1,689,730		-		-
P12177 TOTAL PROJECT COSTS	Sewer Force Main	Complete	1,689,730	1,689,730	100%	-		-
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		-		-
P12202 TOTAL PROJECT COSTS	Sewer Basin	Complete	1,429,513	1,429,513	100%	0		(0)
P12264.470 CITYWIDE CANAL DREDGING PLAN - CYCLE 1			1,530,239	275,273		10,479		1,244,487
P12264 CITYWIDE CANAL DREDGING PLAN - CYCLE 1	Stormwater	Project Initiation & Planning	1,530,239	275,273	18%	10,479	-	1,244,487
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		-		-
P12319 TOTAL PROJECT COSTS	Sewer Force Main	Complete	15,879,363	15,879,363	100%	-		-
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		-		-
P12352 TOTAL PROJECT COSTS	Sewer Force Main	Finance	1,483,015	1,483,015	100%	0		0
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		-
P12367 TOTAL PROJECT COSTS	Master Plan/Report	Project Initiation & Planning	1,075,817	658,065	61%	417,753		(1)
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		
10-451-7422-536-30-3199 LOHMEYER REGIONAL PLANT SUPPORT			9,811	9,799		12		
10-450-7101-536-30-3199 UTILITIES ENGINEERING OPERATIONS			200,279	200,025		254		
P12368 TOTAL PROJECT COSTS	Master Plan/Report	Project Initiation & Planning	971,546	971,136	100%	410		-
P12375.451 PROG MGMT OF CONSENT ORDER PROJECTS			2,666,928	872,243		335,369		1,459,316
P12375.454 PROG MGMT OF CONSENT ORDER PROJECTS			3,699,428	817,265		39,000		2,843,163

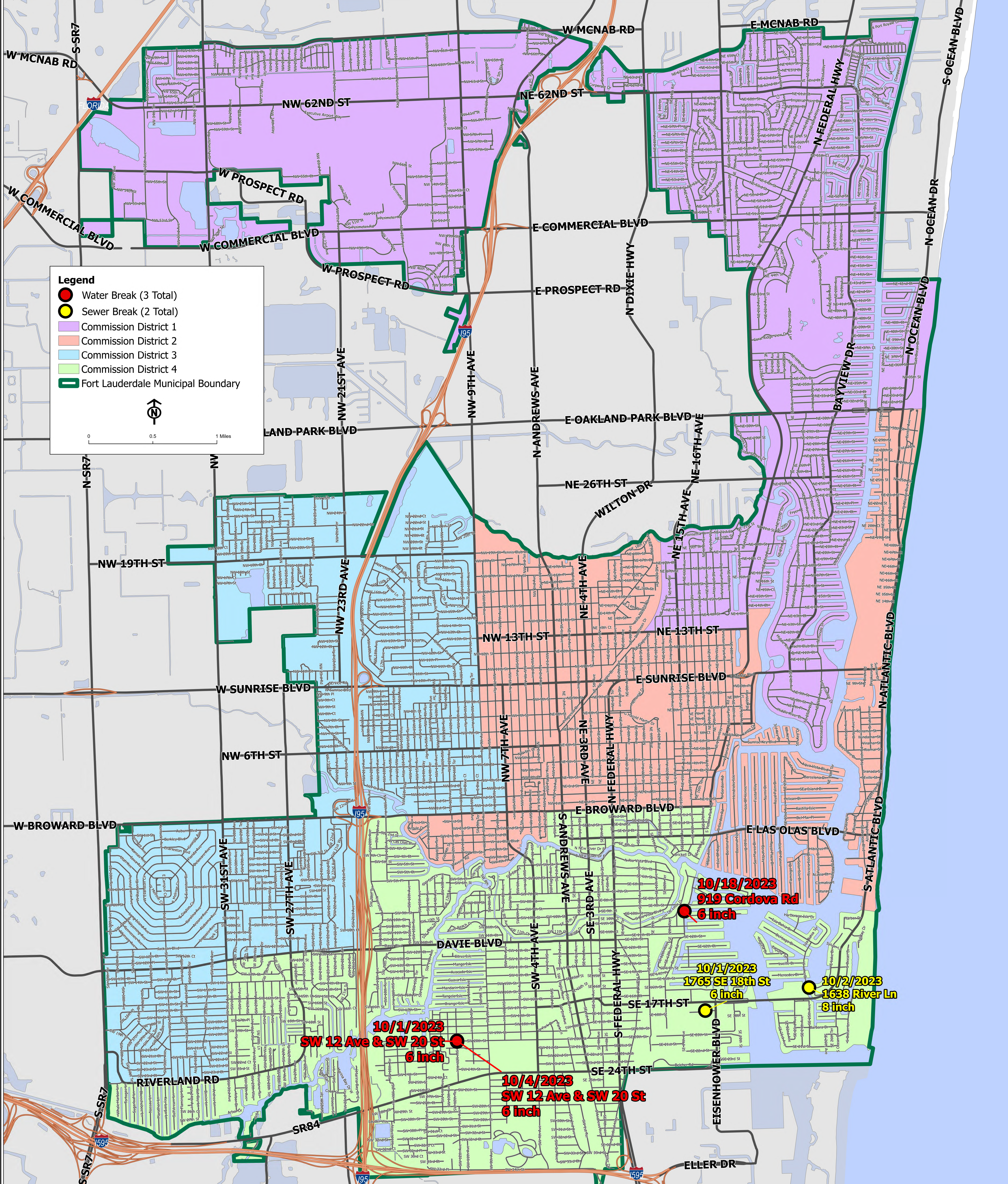
Index Code / Project Title	Category	Project Status	Total Budget Amount	Actuals as of 10.23.23	% Spent to Date as of 10.23.23	Encumbrances as of 10.23.23	Commitments as of 10.23.23	Remaining Balance as of 10.23.23
P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS			1,462,500	1,013,111		449,183		206
P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS			115,000	112,483		2,517		-
P12375 TOTAL PROJECT COSTS	Master Plan/Report	Project Initiation & Planning	7,943,856	2,815,101	35%	826,070		4,302,685
P12383.451 NE 25TH AVE FORCE MAIN REPLACEMENT			3,393	3,393	100%	-		-
P12383.454 NE 25TH AVE FORCE MAIN REPLACEMENT			1,297,110				1,297,110	-
P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT			4,784,890	556,822		399,269	3,730,343	98,455
P12383 TOTAL PROJECT COSTS	Sewer Force Main	Project Initiation & Planning	6,085,393	560,215	9%	399,269	5,027,453	98,455
P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM			2,096,690	693,143		629,256	680,482	93,809
P12384 TOTAL PROJECT COSTS	Sewer Force Main	Project Initiation & Planning	2,096,690	693,143	33%	629,256	680,482	93,809
P12387.455 EFFLUENT MAIN REHABILITATION			4,072,462				4,072,462	-
P12387.496 EFFLUENT MAIN REHABILITATION			3,184,000	679,359		253,839	2,153,809	96,993
P12387 TOTAL PROJECT COSTS	Sewer Force Main	Bidding	7,256,462	679,359	9%	253,839	6,226,271	96,993
P12388.454 NE 13TH ST 24" FORCE MAIN REPLACEMENT			256,517	194,976		-		61,542
P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT			3,313,090	3,022,303		289,396		1,391
P12388 TOTAL PROJECT COSTS	Sewer Force Main	Warranty	3,569,607	3,217,279	90%	289,396		62,932
P12389.454 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH			126,325	126,325				-
P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH			2,112,550	2,105,749				6,801
P12389 TOTAL PROJECT COSTS	Sewer Force Main	Complete	2,238,875	2,232,074	100%	-		6,801
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)
P12390 TOTAL PROJECT COSTS	Sewer Force Main	Complete	3,048,520	3,048,520	100%	0		(0)
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				-
P12413 TOTAL PROJECT COSTS	Sewer Force Main	Complete	1,132,545	1,132,545	100%	-		-
FD495.01 WATER & SEWER MASTER PLAN 2017			3,441,353	3,441,353				-
P12418 TOTAL PROJECT COSTS	Master Plan/Report	Project Initiation & Planning	3,441,353	3,441,353	100%	-		-
FD495.01 WATER & SEWER MASTER PLAN 2017			924,284	924,284		-		-
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			45,279	45,279		-		-
P12419 TOTAL PROJECT COSTS	Master Plan/Report	Complete	969,563	969,563	100%	-		-
P12529.451 EFFLUENT PUMPS STANDBY GENERATOR & ADMIN BLDG IMPROVEMENTS			14,295,566	184,759		7,683,812	5,028,188	1,398,807
P12529.496 EFFLUENT PUMPS STANDBY GENERATOR & ADMIN BLDG IMPROVEMENTS			14,000,000	257,625		275,321	12,796,673	670,381
P12529 EFFLUENT PUMPS STANDBY GENERATOR & ADMIN BLDG IMPROVEMENTS	GTL Upgrades	Design	28,295,566	442,384	2%	7,959,133	17,824,861	2,069,188
P12566.451 REDUNDANT SEWER FM NORTH TO GTL WWTP			4,462,253	4,462,253		-		-
P12566.496 REDUNDANT SEWER FM NORTH TO GTL WWTP			25,225,638	25,203,118		0		22,520
P12566 TOTAL PROJECT COSTS	Sewer Force Main	Complete	29,687,891	29,665,371	100%	0		22,520
P12567.496 REDUNDANT SEWER FM SOUTH TO GTL WWTP			33,722,015	33,722,015		-		(0)
P12567 TOTAL PROJECT COSTS	Sewer Force Main	Closeout	33,722,015	33,722,015	100%	-		(0)
P12569.495 NE 5TH STREET FORCE MAIN IMPROVEMENT			1,928,910	1,928,910		-		-
P12569 TOTAL PROJECT COSTS	Sewer Force Main	Complete	1,928,910	1,928,910	100%	-		-
P12570.495 36TH STREET FORCE MAIN IMPROVEMENT			76,655	76,655		-		-
P12570 TOTAL PROJECT COSTS	Sewer Force Main	Complete	76,655	76,655	100%	-		-
FD495.01 WATER & SEWER MASTER PLAN 2017			212,876			-		212,876
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			2,150			-		2,150
P12720 TOTAL PROJECT COSTS	Master Plan/Report	Project Initiation & Planning	215,026	-	0%	-		215,026
Grand Total			252,289,038	179,197,568	71%	30,130,153	31,834,228	11,127,089

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.

The commitment column is a new field in the City's Financial system and is used for the be bid purchase orders that are necessary for our consultants and construction contracts as well as Purchase Orders that are currently in process of being executed



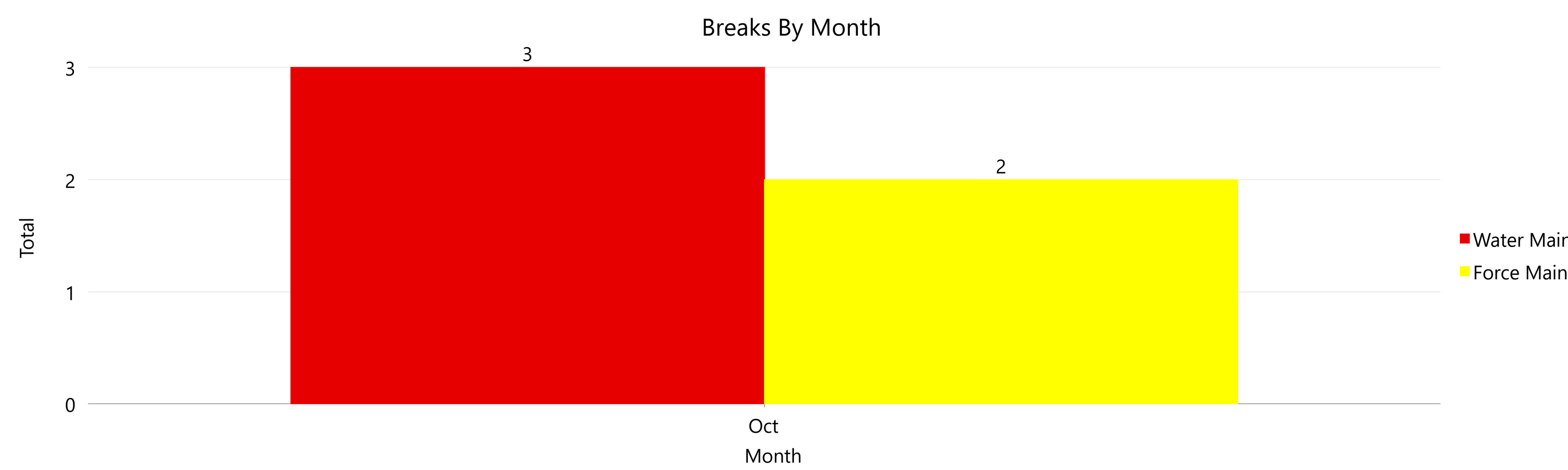
Water Distribution And Force Main Breaks From October 1 Through October 31, 2023



Legend

- Water Break (3 Total)
- Sewer Break (2 Total)
- Commission District 1
- Commission District 2
- Commission District 3
- Commission District 4
- Fort Lauderdale Municipal Boundary

0 0.5 1 Miles



Water Distribution Breaks

Date of Break/PBWN	Q-Alert	Address	Type	Size	Cause	PBWN Issued?	Impacted Properties
10/1/2023	1122501	SW 12 Ave & SW 20 St	Water Main	6 inch	EMERGENCY REPAIR		
10/4/2023	1122496	SW 12 Ave & SW 20 St	Water Main	6 inch	EMERGENCY REPAIR		
10/18/2023	1128518	919 Cordova Rd	Water Main	6 inch	EMERGENCY REPAIR		

Sewer Main Breaks

Date of Break/PBWN	Q-Alert	Address	Type	Size	Cause	Volume (Gal)	SSO Issued?	Impacted Properties
10/1/2023	1122594	1765 SE 18th St	Force Main	6 inch	GTL Discharge to ICWW via outfall	5,530,000	Yes	
10/2/2023	1123011	1638 River Ln	Force Main	8 inch	Manhole Overflow	2,460	Yes	