



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, JUNE 3, 2024 – 2:00 P.M. TO 4:00 P.M.

January-December 2024

Attendance

| | | | |
|------------------------------|---|---|---|
| Marilyn Mammano, Chair | P | 6 | 0 |
| Peter Partington, Vice Chair | A | 3 | 3 |
| Gerald Angeli | P | 6 | 0 |
| Gregory Barnett | P | 3 | 0 |
| Shane Grabski | A | 4 | 2 |
| James LaBrie | P | 6 | 0 |
| Michael Lambrechts | P | 5 | 1 |
| Marta Reczko | P | 5 | 1 |
| Roosevelt Walters | P | 6 | 0 |
| Ralph Zeltman | P | 6 | 0 |

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

Staff

Omar Castellon, Assistant Public Works Director – Engineering
Dr. Nancy Gassman, Assistant Public Works Director -- Sustainability
Vicki Beauvais, Senior Administrative Assistant
Jill Prizlee, Chief Engineer
Yvette Matthews, Acting Director, Office of Management and Budget
J. 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 2:03 p.m. Roll was called and it was noted a quorum was present.

ii. Approval of Agenda

Motion made by Mr. Walters, seconded by Ms. Reczko, to approve as written. In a voice vote, the **motion** passed unanimously.

iii. Approval of Previous Meeting Minutes – May 6, 2024 and May 20, 2024

Motion made by Mr. Walters, seconded by Mr. Barnett, to approve the May 6 minutes with or without corrections. In a voice vote, the **motion** passed unanimously.

Motion made by Mr. Walters, seconded by Mr. Zeltman, to approve [the May 20, 2024 minutes] as written. In a voice vote, the **motion** passed unanimously.

2. Old Business

i. ITFC Draft Recommendations

Chair Mammano noted that the Committee was scheduled to participate in a joint meeting with the Fort Lauderdale City Commission on Tuesday, June 4, 2024 at 11:30 a.m. She briefly reviewed the process expected for that meeting, encouraging all of the Committee members to participate in discussion with the Commission.

Chair Mammano added that the Committee's recommendations are separate from Staff's presentation on the workshop process and public input. The Committee would not be answering questions about those processes.

Chair Mammano recommended that the Committee take a proactive stance on their recommended principles, including discussion of next steps with the Commissioners. She suggested that the Commission may wish to hire a consultant for purposes of site selection before the November 2024 general election so the next Commission can review their options for a new City Hall.

Mr. Lambrechts pointed out that other City projects have benefited from the hiring of an owner's representative, and proposed that the Commission may wish to strongly consider this option for City Hall. Chair Mammano emphasized the importance of continuing discussions about the new facility and including stakeholders in those discussions as well as providing additional opportunities for public input.

Mr. LaBrie asserted that the Committee should take a strong position with regard to their ongoing participation in the process, indicating that they are willing to play a continuing role.

Mr. Walters asked if the discussion at the joint meeting will address the recommended principles only or would also address the bullet points under those principles. Chair Mammano replied that she felt more information on the principles was needed in order to ensure the Commissioners fully understand what was discussed regarding each principle.

The members also discussed issues likely to be raised by the Commission, including questions about potential funding, site selection, survey results, and the role of artificial intelligence (AI) in a new City Hall facility.

Ms. Reczko noted that there may also be discussion of renting space at City Hall, which the recommendations address under the principle of cost-effectiveness. She emphasized the importance of the sovereignty of local government and ensuring that governmental functions take place in a building over which the City has control. She concluded that she would not be in favor of a P3 for a new City Hall.

Mr. Barnett was also not in favor of a P3 to construct a new City Hall, as this would mean the City cedes some control over the building to another entity. He recommended that considering solicitation of P3 partners be listed as one of the City's options, but emphasized that it should not be the only one.

Chair Mammano reiterated that the Committee wished to continue to be part of the ongoing conversation, which would mean if the City solicited P3 proposals, the Committee could be involved in review of those proposals, as they had in the case of the new water treatment plant. This would allow them to further discuss and focus on whether the City should turn over maintenance of a new City Hall to a private partner or retain control of building maintenance. These details would be worked through in a comprehensive agreement between the City and its partners if the Commission chose to use a P3 to fund the new building.

Chair Mammano advised that the Committee can adopt their draft recommendations as their final report, or they may make edits to the document. It was noted that if edits are made, the Chair would need to provide the City Commissioners with the final document at tomorrow's joint meeting.

Mr. LaBrie's recommended changes included:

- Shorten the introduction and history
- Clarify that documentation of public outreach and City Staff efforts will be provided in separate reports
- Under the principle "Welcoming and Engaging," change "transparent" to "feeling of openness" and remove a reference to architectural recognition and cost-effectiveness
- Under the principle "Accessible and Secure," note that the facility should be near public transportation
- Under the principle "Amenities for Public and Staff," clarify that the public should feel it is a pleasure to be in City Hall
- Replace "engage youth..." with the bullet point referring to space available for public education and civic engagement
- Under the principle "Cost-Effective," add "consider such elements as" before listing bullet points

- Combine principles “Functional and Efficient” and “Resilient and Innovative”
- Begin last paragraph with “The ITFAC recommends that the conversation continue” and include statement that the Committee is willing to participate in the next steps of the process

Mr. Walters also proposed recommending that the conversation continue with input from the public.

Motion made by Mr. Walters, seconded by Mr. Angeli, to make this the final draft. In a voice vote, the **motion** passed unanimously.

3. New Business

None.

4. Public Works Update

i. CIP Financial Report

ii. Water & Sewer Breaks Report w/Mapping

Assistant Public Works Director (Engineering) Omar Castellon reported that a water break occurred on May 20, 2024 when a contractor drilled through a pipe on Andrews Avenue. Emergency repairs were made.

A question was asked regarding the Peele-Dixie Water Treatment Plant. Mr. Castellon replied that a contractor drilled through a pipe coming from the wells, which was repaired after approximately one week.

Mr. Castellon added that the City is installing a new pipe from the new water treatment plant to the Fiveash Water Treatment Plant. The current pipe will remain in place as a redundancy.

5. General Discussion and Comments

i. Committee Members

Mr. Lambrechts addressed the Kinney Tunnel, requesting feedback from the other Committee members on this facility. It was noted that some work may still be in progress on the tunnel. There was consensus from the Committee that its current appearance is unsatisfactory for a number of reasons. It was also clarified that the work on the tunnel was overseen by the Florida Department of Transportation (FDOT) rather than the City. Chair Mammano suggested that members with concerns on this issue contact their City Commissioners.

The Committee also discussed items to be addressed at their August 5, 2024 meeting, with Chair Mammano recalling that members had requested an update on the CityWorks program. She also suggested inviting a representative of FDOT who is involved with bridge inspections to address the Committee at a future meeting.

Mr. LaBrie requested an update on the new water treatment plant at the August meeting.

Mr. Zeltman stated that he would like an update on the City's schedule for addressing vitrified clay pipe, as well as the inflow and infiltration (I&I) contract.

Mr. Lambrechts asked if the knowledge expected to be gained from the CityWorks installation and the information provided about I&I may be useful in identifying possible sources of coliform bacteria. He asked if it might be possible to identify the pipes from which these bacteria are carried into the New River. He concluded that infrastructure which may be compromising the City's waterways and environment should be prioritized.

Chair Mammano expressed concern that the aging septic tanks of some properties may be leaking. Assistant Public Works Director (Sustainability) Dr. Nancy Gassman explained that if fecal coliform bacteria are related to sanitary sewer leakage, these numbers would typically be found in a much higher concentration than what is detected by current monitoring. There have been no unusually high levels that would indicate a sanitary sewer system leak. Data provided by Miami Waterkeeper, which regularly tests the City's water, rarely shows the substantial values of bacteria associated with these leaks.

Dr. Gassman continued that it is a challenge to identify the source of fecal coliform bacteria. While genetic testing can help determine the bacteria's source, it does not provide a way to address the problem.

ii. Public Comments

None.

6. Adjournment – NEXT SCHEDULED MEETING DATE: Monday, August 5, 2024

There being no further business to come before the Committee at this time, the meeting was adjourned at 3:22 p.m.

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



Prospect Lake Clean Water Center

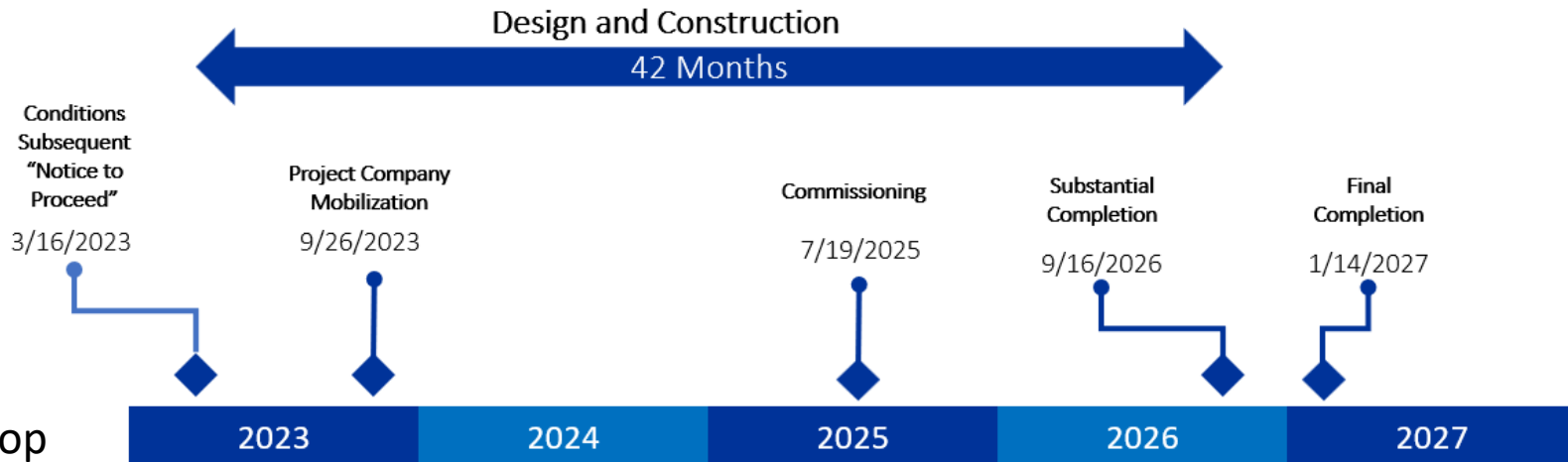
Public Works Department

August 5, 2024



Schedule & Current Activities

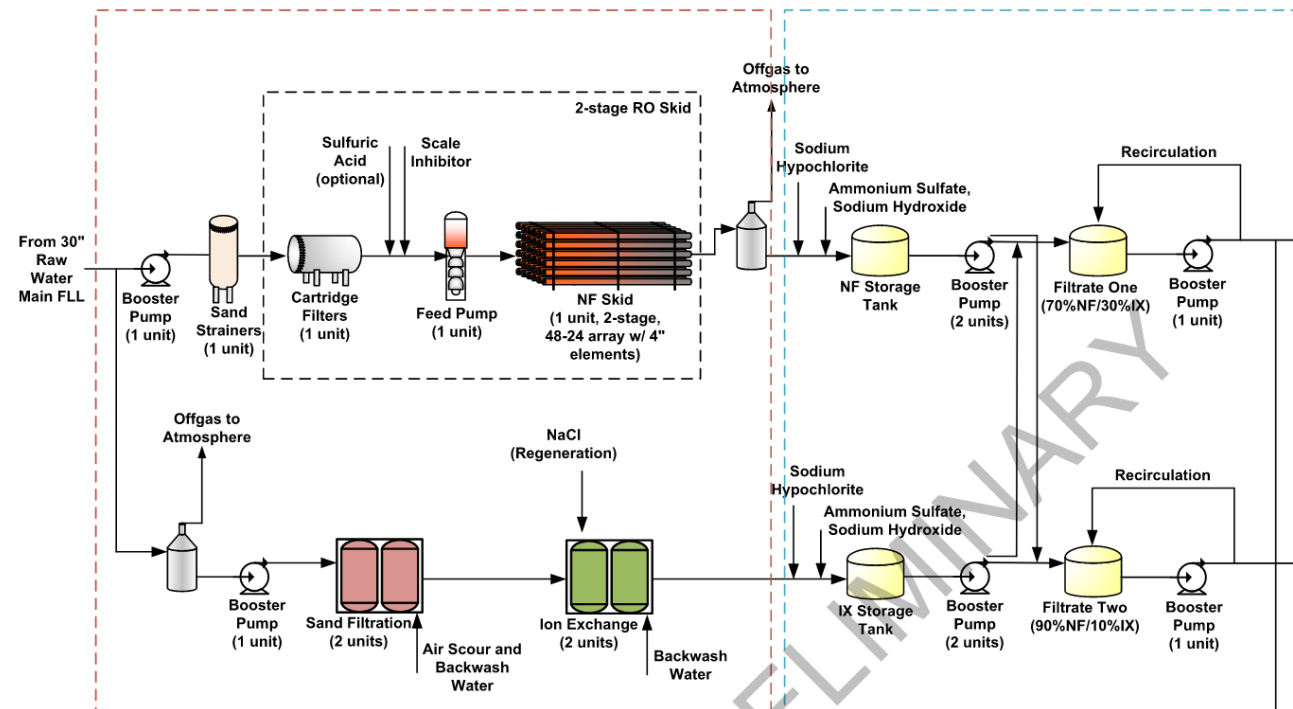
- Contract Value of \$411,567,380
- Day 507 of 1,280 (40%)
- \$123,000,000 paid to date
- Optimal Corrosion Control Treatment Pipe Loop (OCCT) – September Commission Meeting
- PFAS Pilot Testing – TBD
- Transfer of City Infrastructure Obligations to PC
 - Water, Sewer, Communications, Feedstock





City Enabling Works

- Pretreatment and Booster Pumps Works : Complete
- Second Disposal Well : On-going
- Optimal Corrosion Control Treatment (OCCT) Study : Complete





Infrastructure Obligations

- FPL Temporary Power - 9/14/2023 : Complete
- FPL Permanent Power - 10/5/2024 : 1/2 Complete
- Feedstock (raw) Water to Plant -10/5/2024 : CO to Comm 8/20*
- Permanent Water Connection to Plant - 8/13/2025 : Design Complete
- Wastewater Connection to Plant - 8/13/2025 : Design Complete
- Comm. Connections to Exist. City Facilities - 8/13/2025 : Design Complete
- Product Water Transmission Main – 8/13/2025: In Construction













Public Works Update



City-wide Inflow And Infiltration Reduction Program

*Infrastructure Task Force Meeting
August 5, 2024*



AGENDA

1. PROGRESS UPDATE
2. COMMUNITY INVOLVEMENT
3. FINANCIAL OVERVIEW
4. CONCLUSION

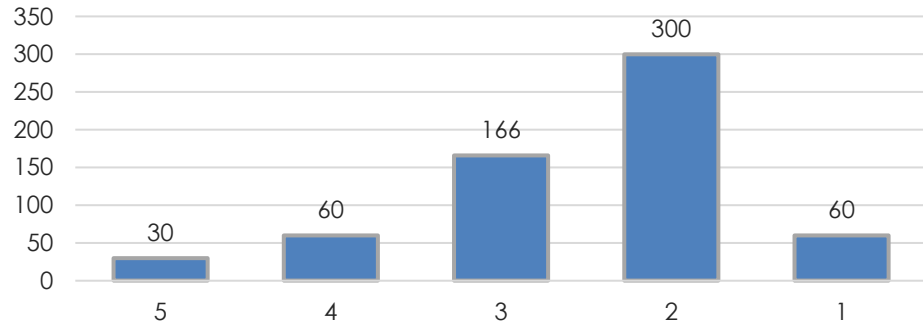


PROGRESS UPDATE ONGOING FIELD WORK

Manhole Inspections

Start Date: March 25, 2024

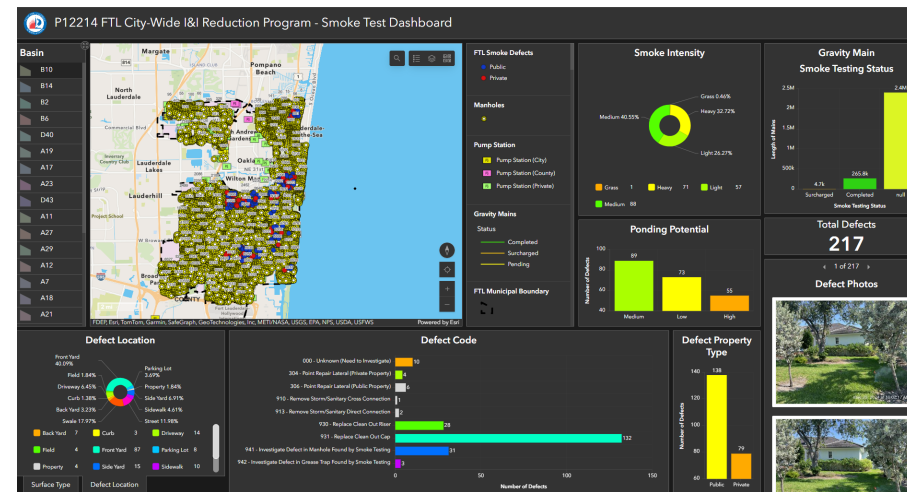
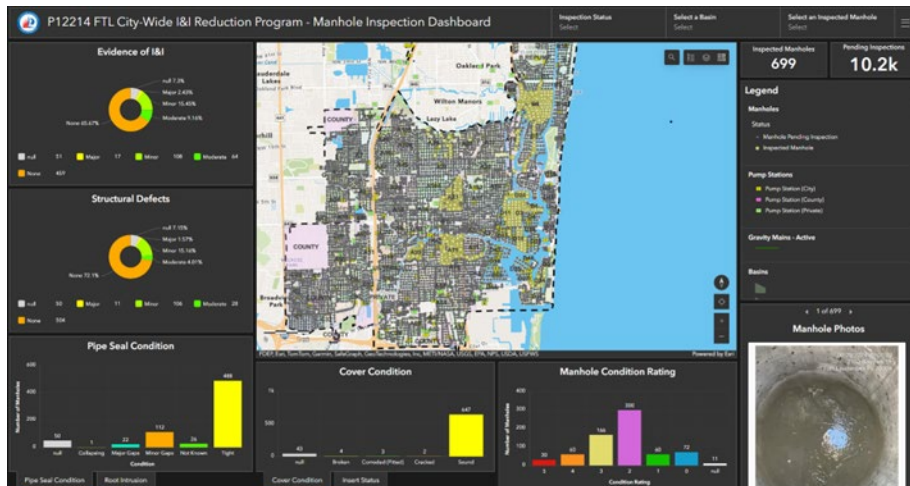
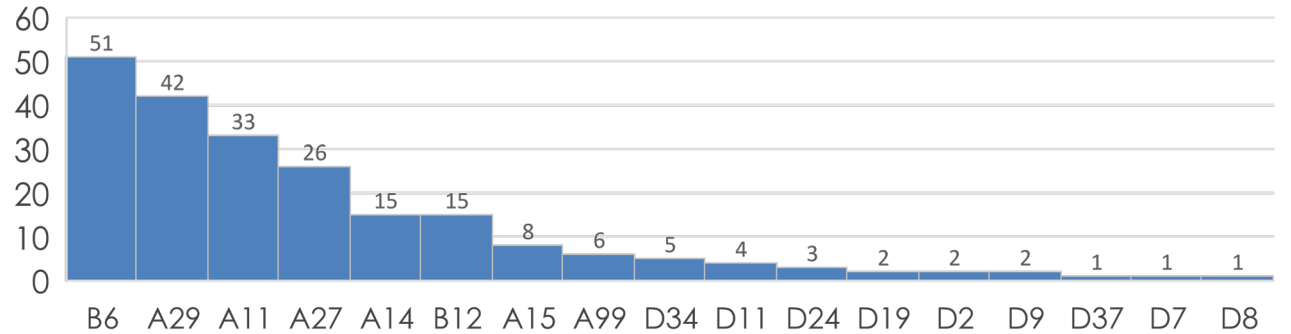
Manhole Condition Grades



Sewer Smoke Testing

Start Date: May 29, 2024

Number of Defects per Basin



Total No. of Manholes Inspected: **699**

Total Gravity Length smoke tested to date: **265,800 LF**

Smoke Test Defects Identified: **217**



PROGRESS UPDATE ONGOING FIELD WORK

Night Flow Isolation

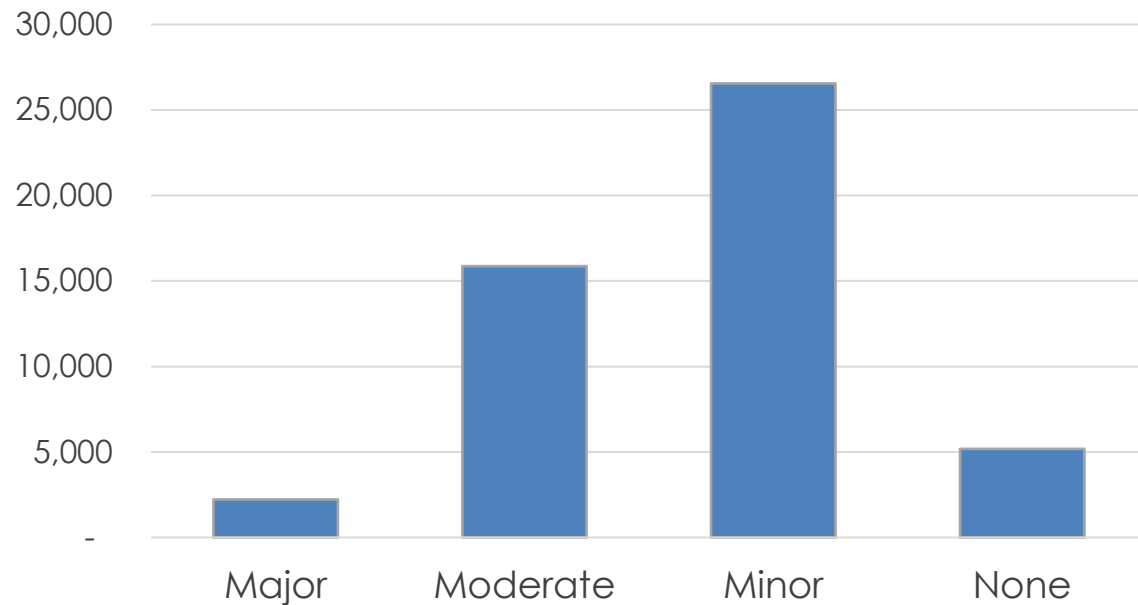
Start Date: July 21, 2024

Total Gravity Length to date: **49,837 LF**

Gravity Mains targeted for CCTV: **20,173 LF**

No. of Basins completed: **11**

Evidence of I/I per Tested Gravity Main Lengths



Night Flow Testing

Start Date: July 9, 2024

Total No. of Basins completed: 13

| Basin | Night Flow Average (GPM) | GPDIM | I/I Severity |
|-------|--------------------------|--------|---------------|
| D20 | 136.31 | 37,032 | Very High |
| D19 | 45.22 | 12,917 | Very High |
| D7 | 28.47 | 8,042 | Very High |
| A11 | 516.16 | 10,751 | Very High |
| A7 | 736.24 | 6,486 | Very High |
| A99 | 144.25 | 10,251 | Very High |
| D8 | 34.27 | 7,839 | High |
| D9 | 36.67 | 7,693 | High |
| D21 | 11.24 | 5,190 | High |
| D11 | 30.26 | 5,814 | High |
| D2 | 34.58 | 4,670 | Moderate |
| A21 | 134.71 | 2,856 | Minor |
| A18 | 163.37 | 1,900 | Insignificant |

*GPM = Gallons per Minute

*GPDIM = Measure of excessive I/I per basin size



COMMUNITY INVOLVEMENT & COMMUNICATION

CITY OF FORT LAUDERDALE
Notice: Upcoming Improvements

INFLOW & INFILTRATION REDUCTION PROGRAM: OVERNIGHT WASTEWATER FLOW ANALYSIS

The City of Fort Lauderdale is working with Ardura Group Inc. to study the flow of wastewater throughout the City's sewer system over the next three years. This flow analysis is part of the City's ongoing efforts to identify portions of the sewer system where stormwater and groundwater are possibly entering the system, which leads to problems such as increased treatment cost and reduced system capacity. The results of this analysis will be used to plan future sewer system improvement projects.

This work will begin on Sunday, July 21, 2024, and is expected to be completed in September 2024. This schedule is subject to change based on inclement weather or other unforeseen circumstances. Inspections will take place Sunday through Thursday evenings between 11 p.m. and 7 a.m. During the time, most neighbors are sleeping, meaning that flows in the system are likely due to infiltration of groundwater or groundwater through defective sewer pipes and structures.

Crews will be accessing sewer lines through sewer manholes. Therefore, no heavy machinery will be on site and minimal noise and lighting impacts are expected.

Approximate Schedule

| | | |
|---|---|---|
| Sun., July 21 – Mon., July 22 Riviera Isles and Las Olas Isles | Tues., July 23 – Fri., July 26 Sunrise Key | Sun., Aug. 11 – Tues., Aug. 20 Lake Ridge, Pointe Heights, Bal Harbour |
| Mon., July 22 – Tues., July 23 North Side | Sun., July 28 – Tues., July 30 Tarpun River | Sun., July 28 – Tues., July 30 Harbour and Lauderdale Isles |
| Tues., July 23 – Wed., July 24 Hendricks Isle | Mon., July 29 – Fri., Aug. 2 Rio Vista | Tues., Aug. 20 – Fri., Aug. 30 South Middle River |
| Tues., July 23 – Thurs., July 25 Seven Isles | Sun., Aug. 4 – Fri., Aug. 9 Middle River Terrace | Sun., Sept. 1 – Tues., Sept. 3 Las Olas Isles |


Traffic Impacts

- One lane in each direction of neighborhood streets may be closed temporarily during work hours.
- Traffic control personnel will direct traffic as needed.
- Access to driveways will be maintained.
- Please follow posted signs and drive with caution in the area.

We apologize in advance for any inconvenience and thank our neighbors for their patience while we complete this important analysis.

To see a map of the areas where right flow isolation is scheduled and learn more about the City's efforts to reduce inflow and infiltration, visit [this link](#).

For more information or questions, contact Inflow and Infiltration Program Hotline: 877-332-4037 or ftlii@ardura.com



CITY OF FORT LAUDERDALE
Notice: Upcoming Improvements

INFLOW & INFILTRATION REDUCTION PROGRAM: SEWER SMOKE TESTING

The City of Fort Lauderdale is working with Ardura Group Inc. to conduct smoke testing throughout Fort Lauderdale over the next three years. This common procedure involves blowing smoke through sewer pipes to locate defects that would allow stormwater and groundwater to enter the sewer system.

The smoke being used is odorless, non-toxic, non-irritating, does not create a fire hazard and will clear within 30 minutes with proper ventilation. Smoke should not enter private properties if they are properly plumbed and vented and if water traps contain water. If smoke enters private property, please ventilate the area, and notify nearby field technicians.

Approximate Testing Schedule

- Sewer Basin A-14 in Lake Ridge, Pointe Heights, Lauderdale Isles & Bal Harbour: Monday, July 8, 2024 – Thursday, July 11, 2024
- Sewer Basin D-7, D-8 and D-9 in Nurni Isles: Friday, July 12, 2024
- Sewer Basin D-20 in Las Olas Isles (Isle of Palm Drive): Friday, July 12, 2024
- Sewer Basin D-1 in Riviera Isles (Flamingo Drive): Friday, July 12, 2024

Smoke testing will take place Monday through Friday between 8 a.m. and 5 p.m. This schedule is subject to change based on inclement weather or other unforeseen circumstances.

Traffic Impacts

- One lane in each direction of neighborhood streets may be closed during work hours. Traffic control personnel will direct traffic as needed.
- Access to driveways will be maintained.
- Please follow posted signs and drive with caution in the area.

We apologize in advance for any inconvenience and thank our neighbors for their patience while we complete this important testing.

To see a map of the areas where smoke testing is scheduled and learn more about sewer smoke testing and the City's efforts to reduce inflow and infiltration, visit [this link](#).

For more information or questions, contact Inflow and Infiltration Program Hotline: 877-332-4037 or ftlii@ardura.com



CITY OF FORT LAUDERDALE

SMOKE TESTING NOTICE

Sewer pipeline smoke testing will be conducted in your neighborhood over the next few days. This testing helps to improve the reliability of the wastewater system by locating sources of leaks and breaks in wastewater lines. The City has contracted with Ardura Group, Inc. to conduct the tests.

The smoke that is being used is manufactured specifically for this testing and is, therefore, NON-TOXIC, NON-STAINING, ODORLESS, WHITE TO GRAY IN COLOR AND CREATES NO FIRE HAZARD.

In preparation for the smoke testing, now is the time to run water for 2 to 3 minutes through all of your fixtures to ensure that all drainage traps are full of water, especially floor drains and seldom used drains.

You may see smoke coming from the vents of the roof of your property, your lawn, or downspouts, which is a normal occurrence when conducting the tests. If smoke enters your building, please ventilate your property and notify the field technicians who are conducting the test.

If smoke is visible within your property, this is an indication that you may have a plumbing issue. The identification and correction of the source of smoke entering your property is urgently advised. The correction of any defects in the pipes and sewer on private property is the responsibility of the property owner.

IMPORTANT! If any individual at your property has respiratory or mobility problems, please notify us at 877-332-4037 as soon as possible prior to the start of testing.

This program will help reduce the inflow and infiltration of stormwater and groundwater into the wastewater system, reducing the risk of wastewater overflows in your neighborhood and avoiding expenses related to the unnecessary treatment of stormwater and groundwater at the City's wastewater treatment facility.

Thank you for your cooperation in our efforts in infrastructure improvements. Learn more about this effort at [ftlii@ardura.com](#) (Questions? Please call the inflow and infiltration hotline at 877-332-4037 or email FTLI@ardura.com.)

CITY OF FORT LAUDERDALE

AVISO DE PRUEBAS CON HUMO

En los próximos días, se llevarán a cabo pruebas con humo en las tuberías del sistema de alcantarillado sanitario de su vecindario. Estas pruebas nos ayudan a mejorar el servicio mediante la detección y reparación de fallas y fugas dentro de dicho sistema. La ciudad de Fort Lauderdale ha contratado a Ardura Group, Inc. para completar las pruebas.

Si humo que se utilizó es fabricado específicamente para esta prueba, y por lo tanto, NO ES TÓXICO, NO MANCHA, NO TIENE OLORES, ES DE COLOR BLANCO A GRIS Y NO CREA PELIGRO DE INCENDIO.

En preparación para la prueba de humo, por favor deje correr el agua de sus grifos durante 2 a 3 minutos para asegurar que todos los drenajes están llenos de agua, particularmente aquellos del suelo, o que raramente se usan.

Es posible que usted vea humo salir por las tuberías de ventilación del techo de su propiedad, de su césped o de las alcantarillas pluviales, lo cual es una occurrence normal cuando se realizan las pruebas. Si el humo entra en su casa, ventile su propiedad y notifique a los técnicos de campo que están realizando la prueba.

Si el humo es visible dentro de su propiedad, esto es una indicación de que puede tener un problema de plomería. Se recomienda urgentemente la identificación y corrección de la fuente del humo que entra en su propiedad. La corrección de cualquier defecto en las tuberías y el alcantarillado en propiedad privada es responsabilidad del propietario.

¡IMPORTANTE! Si alguna persona en su propiedad tiene problemas respiratorios o de movilidad, notifíquenos al 877-332-4037 antes de comenzar la prueba.

Este programa ayudará a reducir la entrada y la infiltración de agua de lluvia y agua subterránea en el sistema de aguas residuales, reduciendo el riesgo de desbordamientos de aguas residuales en su vecindario y evitando gastos relacionados con el tratamiento innecesario de aguas pluviales y subterráneas en la planta de tratamiento de aguas residuales de la ciudad.

Le agradecemos su cooperación mientras invertimos en mejoras a la infraestructura. Obtenga más información sobre este esfuerzo en ftlii@ardura.com (¿Preguntas? Por favor, llame a la línea directa de inflow e infiltración al 877-332-4037 o envíe un correo electrónico a FTLI@ardura.com.)

CITY OF FORT LAUDERDALE FLORIDA

Beach Conditions Employment Emergency Alerts **CUSTOMER SERVICE**

Neighbors Government Business Visitors

PUBLIC WORKS

- Public Notices
- Engineering Division
- CADD Standards
- Durrs Neighborhood Stormwater Project
- Fortly Lauderdale
- Inflow & Infiltration**
- Master Plans & Reports
- Undergrounding Overhead Utilities
- Sustainability Division
- Utilities Division


Government » Departments 1-2 » Public Works » Engineering Division »

Inflow & Infiltration

Font Size: [Share & Bookmark](#) [Feedback](#) [Print](#)

What is inflow & infiltration?

Inflow and infiltration (I&I) are terms for the ways that stormwater runoff and groundwater (clear water) make their way into sanitary sewer pipes. With inflow, stormwater rapidly flows into sewers via roof drain downspouts, yard drains, storm-sewer connections and faulty manhole covers. Inflow is greatest during major storm events and can more than triple wastewater volumes. Infiltration occurs when groundwater water seeps into sanitary sewer pipes through cracks, leaky pipe joints and/or deteriorated manholes.



Why I&I Matters

Excessive I&I in the sewer system creates multiple problems:

- Expensive Treatment:** Once stormwater and groundwater mix with wastewater, all the water is treated. This is expensive and impacts the regional system. Reducing excessive I&I in the system saves millions of dollars.
- Reduced System Capacity:** Additional water that enters the wastewater system through I&I flows within fixed-capacity sewer pipes. The additional flow consumes capacity that was built to accommodate wastewater flows from existing properties and new developments. During major rain events, the additional flow can exceed the available sewer system capacity, causing overflow issues.
- Water Quality:** Exceeding the capacity of the sewer system can result in wastewater overflows and spills into nearby waterways, affecting the water quality.

Notices for SSES Activities

Door Hangers

Website

Others: Project Signs, Social Media videos, Inflow & Infiltration Hotline and email for resident inquiries

Inflow & Infiltration Program Hotline
877-332-4037 or ftlii@ardura.com



FINANCIAL OVERVIEW

- Budget Amendment Approved February 6, 2024

| PROJECT NUMBER | COST CENTER NAME | CHARACTER CODE/ ACCOUNT NAME | TOTAL AMOUNT |
|----------------|---------------------------------|---------------------------------|--------------|
| P12214 | Infiltration and Inflow Program | Capital Outlay / Construction | \$23,315,728 |

- Individual Project Funding for Priority 1 Basins

| PROJECT NAME | CHARACTER CODE/ ACCOUNT NAME | AVAILABLE |
|---|---------------------------------|----------------|
| Current Combined Total of Priority 1 Basins | Capital Outlay / Construction | \$9,421,893.00 |

- Department's I&I Plan for Proposed CIP FY2025-2029*

| PROJECT NUMBER | DESCRIPTION | FY 2025 | FY 2026 | FY 2027 | FY 2028 | FY 2029 |
|----------------|-------------|-------------|--------------|--------------|--------------|--------------|
| P12214 | I&I Program | \$5,099,723 | \$15,774,862 | \$14,900,217 | \$15,163,903 | \$15,222,072 |



CONCLUSION & KEY TAKEAWAYS

Currently performing ongoing evaluation of sewer system conditions

Regular KPI monitoring to track progress

Targeting areas with the highest I/I levels

Implementing additional quick-win projects for immediate impact

A continued commitment to reducing I/I is crucial for sustaining the long-term health and efficiency of our sewer system



THANK YOU!

Questions?



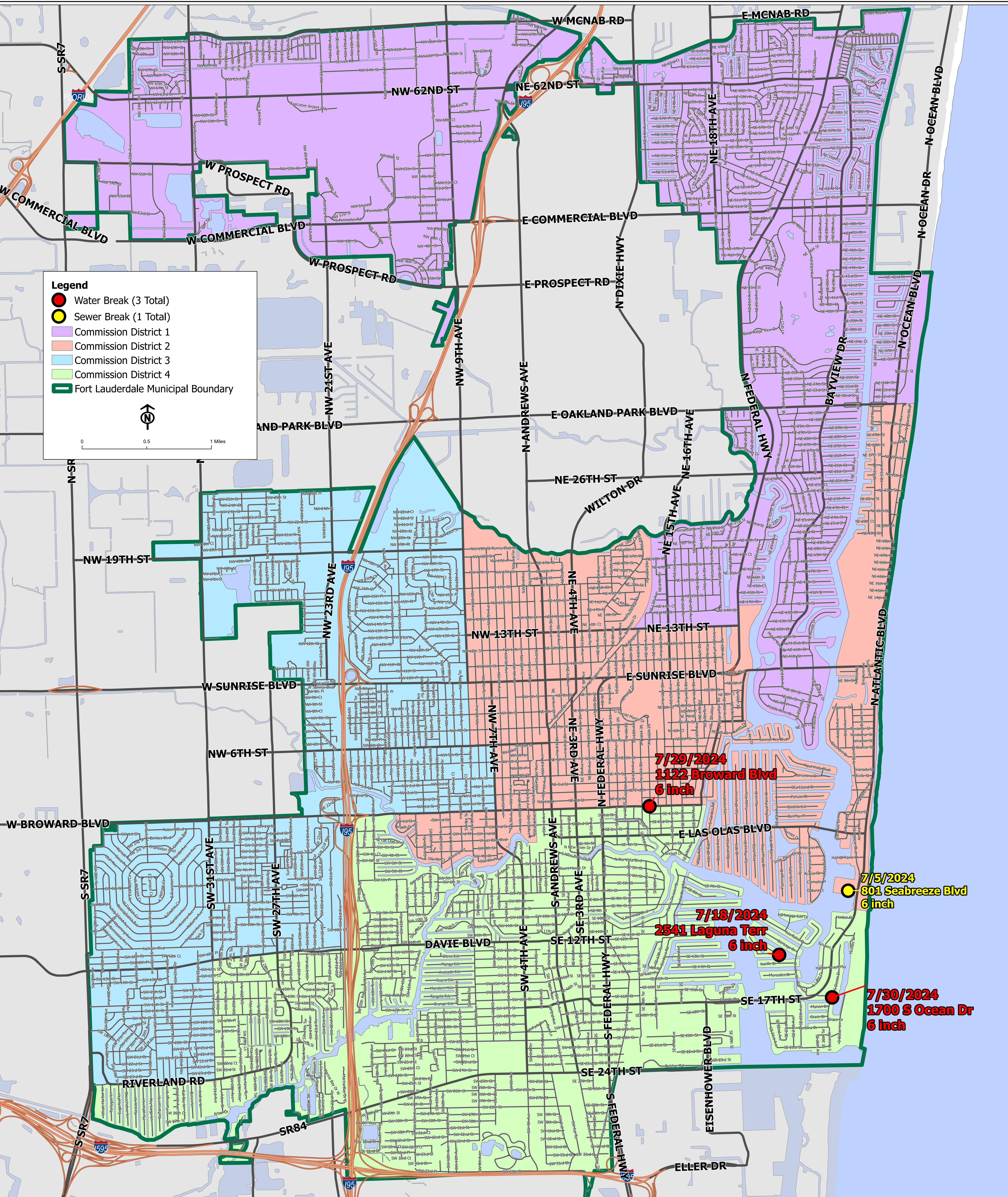
**Water & Sewer Bond Expenditures Summary
as of 07/25/2024**

| Bond Funded Projects by Category | Budget | Actuals | % Spent to Date | Commitments | Encumbrances | Remaining Balance |
|----------------------------------|--------------------|--------------------|-----------------|------------------|-------------------|--------------------|
| Finance | 23,595,311 | 22,096,055 | 94% | - | 698,510 | 800,746 |
| Fiveash Upgrades | 24,194,845 | 10,766,712 | 45% | (658,000) | 4,389,463 | 9,439,841 |
| GTL Upgrades | 15,527,725 | 1,073,643 | 7% | 1 | 3,877,163 | 10,576,919 |
| I&I | 40,619,275 | 15,201,550 | 37% | 181,123 | 120,827 | 25,115,775 |
| Master Plan/Report | 2,109,625 | 1,492,823 | 71% | - | 430,444 | 186,357 |
| Peele Dixie Upgrades | 163,133 | 97,125 | 60% | - | - | 66,008 |
| Sewer Basin | 1,821,149 | 1,383,387 | 76% | 103,775 | 29 | 333,959 |
| Sewer Force main | 251,982,028 | 95,235,451 | 38% | 5,356,000 | 76,967,796 | 74,422,781 |
| Watermain | 37,353,901 | 20,293,397 | 54% | - | 760,489 | 16,300,015 |
| Grand Total | 397,366,992 | 167,640,143 | 42% | 4,982,899 | 87,244,721 | 137,242,402 |

| Index Code / Project Title | Category | Project Status | Budget | Actuals | % Spent to Date | Commitments | Encumbrances | Remaining Balance |
|--|--------------------|-----------------------------|------------|------------|-----------------|-------------|--------------|-------------------|
| FD495.01 WATER & SEWER MASTER PLAN 2017 | Finance | Implementation | 21,611,457 | 20,199,820 | 93% | 0 | 698,510 | 713,127 |
| FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017 | Finance | Implementation | 1,983,854 | 1,896,235 | 96% | 0 | 0 | 87,619 |
| P10814.495 CENTRAL NEW RIVER W/MAIN RIVER CROSSING | Watermain | Construction | 1,364,926 | 1,127,736 | 83% | 0 | 151,875 | 85,314 |
| P10850.495 VICTORIA PARK A NORTH-SMALL WATERMANS | Watermain | Warranty | 4,435,773 | 4,434,668 | 100% | 0 | 0 | 1,105 |
| P11080.495 PORT CONDO SMALL WATER MAIN IMPROVEMENTS | Watermain | Close-Out | 932,320 | 915,442 | 98% | 0 | 0 | 16,878 |
| P11465.495 17TH ST CAUSEWAY - LARGE WATER MAIN REPLACEMENT | Watermain | Design | 5,205,708 | 6,760 | 0% | 0 | 0 | 5,198,948 |
| P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB | I&I | Design | 5,832,153 | 5,783,483 | 99% | 53,558 | 6 | -4,895 |
| P11566.495 RIO VISTA SEWER BASIN D-43 REHAB | I&I | Design | 4,268,936 | 4,268,921 | 100% | 0 | 14 | 1 |
| P11589.495 FIVEASH WTP DISINFECTION IMPROVEMENTS | Fiveash Upgrades | Construction | 15,915,533 | 2,741,155 | 17% | -658,000 | 4,358,763 | 9,473,616 |
| P11887.495 NW SECOND AVE TANK RESTORATION | Fiveash Upgrades | Construction | 40,000 | 40,000 | 100% | 0 | 0 | 0 |
| P11901.495 VICTORIA PK STH SM WATERMANS IMPROVEMNT | Watermain | Warranty | 5,149,658 | 5,142,772 | 100% | 0 | 0 | 6,886 |
| P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION | I&I | Design | 2,000,000 | 298,587 | 15% | 127,565 | 0 | 1,573,848 |
| P12049.495 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS | I&I | Construction | 1,318,983 | 967,096 | 73% | 0 | 120,794 | 231,093 |
| P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB | I&I | Design | 3,883,475 | 3,883,462 | 100% | 0 | 13 | 0 |
| P12133.495 PUMP STN A-13 REDIRECTION E OF FEDERAL | Sewer Force main | Complete | 478,014 | 478,014 | 100% | 0 | 0 | 0 |
| P12180.495 CROISSANT PARK SMALL WATER MAINS | Watermain | Complete | 2,822,718 | 2,822,718 | 100% | 0 | 0 | 0 |
| P12184.495 DAVIE BLVD 18" WM ABAN I-95 TO SW 9 AVE | Watermain | Hold | 297,692 | 297,692 | 100% | 0 | 0 | 0 |
| P12202.495 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN | Sewer Basin | Complete | 1,224,358 | 1,224,358 | 100% | 0 | 0 | 0 |
| P12214.495 INFILTRATION AND INFLOW PROGRAM | I&I | Master Plan & Report | 23,315,728 | 0 | 0% | 0 | 0 | 23,315,728 |
| 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 | - | 0 | 0 | 0 |
| P12367.496 ASSET MANAGEMENT & CMOM PROGRAMS | Master Plan/Report | Project Initiation Planning | 0 | 0 | - | 0 | 0 | 0 |
| P12368.495 SEWER CAPACITY ANLY FOR GRAVITY & FM | Master Plan/Report | Project Initiation Planning | 0 | 0 | - | 0 | 0 | 0 |
| P12368.496 SEWER CAPACITY ANLY FOR GRAVITY & FM | Master Plan/Report | Project Initiation Planning | 0 | 0 | - | 0 | 0 | 0 |
| P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS | Master Plan/Report | Project Initiation Planning | 1,462,500 | 1,031,951 | 71% | 0 | 428,254 | 2,295 |
| P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS | Master Plan/Report | Project Initiation Planning | 115,000 | 112,579 | 98% | 0 | 2,190 | 230 |
| P12383.495 NE 25TH AVE FORCE MAIN REPLACEMENT | Sewer Force main | Design | 12,889,764 | 1,652,355 | 13% | 0 | 4,954,342 | 6,283,067 |
| P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT | Sewer Force main | Design | 5,642,266 | 1,760,350 | 31% | 0 | 3,875,244 | 6,672 |
| P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM | Sewer Force main | Project Initiation Planning | 31,189,144 | 5,903,885 | 19% | 0 | 24,637,880 | 647,379 |
| P12385.496 SE 10TH AV 48" FM REPL & 36" BYPASS | Sewer Force main | Cancelled | 18,326 | 18,326 | 100% | 0 | 0 | 0 |
| P12386.496 54" FM RPL SE 9TH/10TH AV & NEW PARALLEL | Sewer Force main | Cancelled | 6,072 | 6,072 | 100% | 0 | 0 | 0 |
| P12387.496 EFFLUENT MAIN REHABILITATION | Sewer Force main | Design | 49,274,618 | 3,972,688 | 8% | 0 | 43,059,943 | 2,241,987 |
| P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT | Sewer Force main | Warranty | 3,313,090 | 3,025,556 | 91% | 0 | 0 | 287,534 |
| P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH | Sewer Force main | Complete | 2,112,550 | 2,105,749 | 100% | 0 | 0 | 6,801 |
| P12390.495 16" FM ALONG LAS OLAS BLVD PHASE 2 | Sewer Force main | Complete | 2,410,943 | 2,410,943 | 100% | 0 | 0 | 0 |
| P12391.495 BERMUDA RIVIERA SML WTRMN IMPROVEMENTS | Watermain | Complete | 4,424,433 | 4,424,433 | 100% | 0 | 0 | 0 |
| P12393.495 FIVEASH ELEC SYSTM REPLACEMENT (2015-20) | Fiveash Upgrades | Design | 256,828 | 37,521 | 15% | 0 | 0 | 219,307 |

| Index Code / Project Title | Category | Project Status | Budget | Actuals | % Spent to Date | Commitments | Encumbrances | Remaining Balance |
|---|----------------------|-----------------------------|--------------------|--------------------|-----------------|------------------|-------------------|--------------------|
| P12395.495 PEELE DIXIE ELECTRICAL STUDIES | Peele Dixie Upgrades | Master Plan & Report | 63,133 | 63,133 | 100% | 0 | 0 | 0 |
| P12396.495 PEELE DIXIE SURGE PROTECTION UPGRADES | Peele Dixie Upgrades | Construction | 100,000 | 33,992 | 34% | 0 | 0 | 66,008 |
| P12399.495 FIVEASH WTP PCCP REPLACEMENT | Fiveash Upgrades | Complete | 33,511 | 30,379 | 91% | 0 | 0 | 3,132 |
| P12400.495 PROSPECT WELLFIELD ELC STUDIES & TESTING | Master Plan/Report | Project Initiation Planning | 185,000 | 1,168 | 1% | 0 | 0 | 183,832 |
| P12402.495 PEELE DIXIE WELLFIELD ELC STUD & TESTING | Master Plan/Report | Complete | 47,670 | 47,670 | 100% | 0 | 0 | 0 |
| P12404.495 EXCAVATE & DISPOSE OF DRY LIME SLUDGE | Fiveash Upgrades | Warranty | 4,228,973 | 4,228,973 | 100% | 0 | 0 | 0 |
| P12406.496 REDUNDANT FORCE MAIN FROM B-REPUMP | Sewer Force main | Cancelled | 10,377 | 10,377 | 100% | 0 | 0 | 0 |
| P12407.495 SUBACQUEOUS FM CROSSING REINSTATEMENT | Sewer Force main | Cancelled | 0 | 0 | - | 0 | 0 | 0 |
| P12410.495 PUMP STATION C-1 REPLACEMENT | Sewer Force main | Project Initiation Planning | 620,000 | 47,166 | 8% | 0 | 0 | 572,834 |
| P12412.495 PUMP STATIONS A-16 UPGRADE | Sewer Force main | Construction | 3,000,000 | 3,053,660 | 102% | 0 | 135 | -53,795 |
| 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 | 2,396,575 | 2,396,575 | 100% | 0 | 0 | 0 |
| P12418.495 WTR & W/WTR D & C SYSTEM MAPPING | Master Plan/Report | Project Initiation Planning | 0 | 0 | - | 0 | 0 | 0 |
| P12419.495 FORCE MAIN ASSESSMENT | Master Plan/Report | Complete | 0 | 0 | - | 0 | 0 | 0 |
| P12419.496 FORCE MAIN ASSESSMENT | Master Plan/Report | Complete | 0 | 0 | - | 0 | 0 | 0 |
| P12456.495 SEWER BASIN D-40 REHAB | Sewer Basin | Design | 169,237 | 65,433 | 39% | 103,775 | 29 | 0 |
| P12462.495 CORAL RIDGE SMALL WATERMAIN IMPROVEMENTS | Watermain | Hold | 4,936,912 | 0 | 0% | 0 | 0 | 4,936,912 |
| 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 | 3,726,205 | 100% | 0 | 30,701 | -36,906 |
| P12528.496 GTL CHLORINE FLASH MIX REMODEL | GTL Upgrades | Construction | 1,527,725 | 616,051 | 40% | 0 | 911,492 | 183 |
| P12529.496 EFFLUENT PMP STNBY GENERATOR & ADMIN BLD | GTL Upgrades | Design | 14,000,000 | 457,592 | 3% | 1 | 2,965,672 | 10,576,735 |
| 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 | 0 |
| P12570.495 36TH STREET FORCE MAIN IMPROVEMENT | Watermain | Complete | 0 | 0 | - | 0 | 0 | 0 |
| P12605.495 NEW PUMPING STATION FLAGLER VILLAGE A-24 | Sewer Force main | Construction | 681,244 | 676,965 | 99% | 0 | 9,003 | -4,724 |
| P12608.495 TRIPLEX PUMPING STATION FLAGLER VILLAGE A-24 | Sewer Force main | Design | 13,441,549 | 214,249 | 2% | 5,356,000 | 51,943 | 7,819,358 |
| P12618.495 DOLPHIN ISLES B-14 SEWER BASIN REHAB | Sewer Basin | Project Initiation Planning | 427,555 | 93,596 | 22% | 0 | 0 | 333,959 |
| P12619.495 BAYVIEW DR 16" FM TO PUMP STATION B-14 | Sewer Force main | Design | 2,530,000 | 95,579 | 4% | 0 | 81,528 | 2,352,892 |
| P12620.495 LAS OLAS MARINA PUMP STATION D-31 | Sewer Force main | Construction | 2,500,000 | 2,202,221 | 88% | 0 | 297,779 | 0 |
| P12628.495 INTERLOCAL AGREEMENT WITH POMPANO BEACH | Master Plan/Report | Project Initiation Planning | 299,455 | 299,455 | 100% | 0 | 0 | 0 |
| P12731.495 GRAVITY SWR RPR BAYVIEW FRM 36 TO 40 ST | Sewer Force main | Warranty | 309,875 | 309,875 | 100% | 0 | 0 | 0 |
| P12799.496 REHABILITATION/REPLACEMENT OF 48 TO 54-INCH FORCE MAIN | Sewer Force main | Bidding | 51,115,872 | 17,758 | 0% | 0 | 0 | 51,098,114 |
| P12803.495 POINSETTIA DR SMALL WATERMAIN IMPROVEMENTS | Watermain | Project Initiation Planning | 186,313 | 0 | 0% | 0 | 186,313 | 0 |
| P12827.495 SMALL WATER MAIN REPLACEMENT - SW 31ST AVENUE | Watermain | Project Initiation Planning | 3,858,449 | 0 | 0% | 0 | 422,301 | 3,436,148 |
| P12831.495 PUMP STATION A-7 REDUNDANT FORCEMAIN | Watermain | Project Initiation Planning | 2,620,000 | 2,177 | 0% | 0 | 0 | 2,617,823 |
| Totals | | | 397,360,920 | 167,671,592 | 42% | 4,982,899 | 87,244,721 | 137,461,708 |

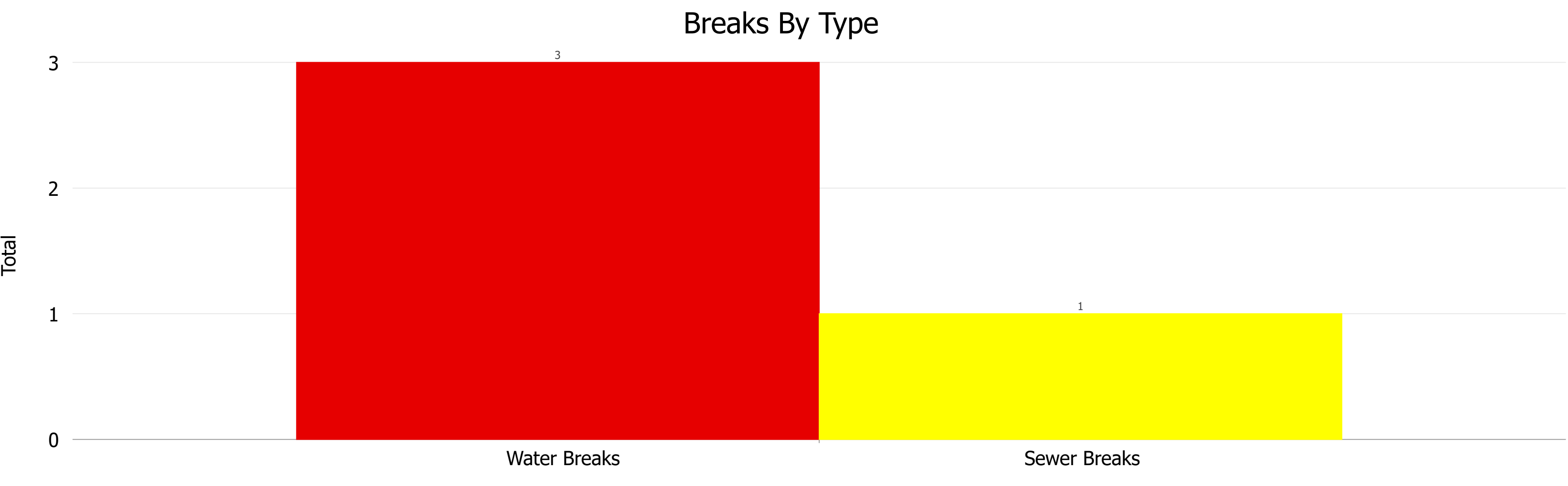
The commitment column is a new field in the City's Financial system and is used for the be bid purchase orders that are necessary for our consultants and construction contracts as well as Purchase Orders that are currently in process of being executed



Legend

- Water Break (3 Total)
- Sewer Break (1 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 | Material | Cause | PBWN Issued? | Impacted Properties |
|--------------------|----------|-------------------|------------|--------|----------|------------------|--------------|---------------------|
| 7/18/2024 | 16970311 | 2541 Laguna Terr | Water Main | 6 inch | CIP | EMERGENCY REPAIR | | |
| 7/29/2024 | 1712506 | 1122 Broward Blvd | Water Main | 6 inch | CIP | EMERGENCY REPAIR | | |
| 7/30/2024 | 116603 | 1700 S Ocean Dr | Water Main | 6 inch | CIP | EMERGENCY REPAIR | | |

No Sewer Main Breaks

| Date of Break/PBWN | Q-Alert | Address | Type | Size | Cause | Volume (Gal) | SSO Issued? | Impacted Properties |
|--------------------|----------|--------------------|------------|--------|------------|--------------|-------------|---------------------|
| 7/5/2024 | 16982123 | 801 Seabreeze Blvd | Force Main | 6 inch | FORCE MAIN | 3000 | Yes | |