

Agenda Item #1 (ii)
Approval of Agenda

Infrastructure Task Force Advisory Committee
Monday, March 7, 2022, 2:00pm to 5:00pm
City Hall – 8th Floor Conference Room

Attendance in person is required to speak on an item.
To view the meeting, click [FLTV](#) or [YouTube](#).

Agenda

1. Call to Order:
 - i. Roll Call
 - ii. Approval of Agenda
 - iii. Approval of Previous Meeting Minutes – February 7, 2022
2. General Discussion and Comments by Committee Members
3. Public Comments (at Each Item)
4. Old Business
 - i. Top 10 unfunded priority projects list
 - ii. Status update on the \$200 million Stormwater Bond
 - iii. Training for new committee members
 - iv. Update on the smart meter project (AMI)
5. New Business
 - i.
6. Public Works Update
 - i. Water & Sewer Breaks Report 2022 w/Mapping
 - ii. CIP Financial Report
 1. Unfunded Balance Account
 - iii. Impact Fees – Usage
7. Adjournment

Committee Members:

Marilyn Mammano
Ralph Zeltman
Peter Partington
Roosevelt Walters
Jacquelyn Scott
Gerald Angeli
Michael Marshall
Shane Grabski
Charlie Ladd
James LaBrie

Purpose: The purpose of the Infrastructure Task Force Advisory Committee is to review existing City infrastructure including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition, review and identify the repair or replacement as well as funding sources and financing alternatives for those infrastructure, to receive input from members of the public interested in infrastructure, and to provide a report with recommendations to the City Commission as spelled out in Resolution 17-46.

NOTE: Two or more City Commissioners and/or Advisory Board may be present at this meeting. If any person decides to appeal any decision made with respect to any matter considered at this public meeting or hearing, he/she will need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. If you desire auxiliary services to assist in viewing or hearing the meetings, or reading meeting agendas and minutes, please contact the City Clerk's Office at 954-828-5002 at least two days prior to the meeting and arrangements will be made to provide those services for you.

Agenda Item #1 (iii)
Approval of Previous Meeting Minutes



**MEETING MINUTES
CITY OF FORT LAUDERDALE
INFRASTRUCTURE TASK FORCE ADVISORY COMMITTEE
MONDAY, FEBRUARY 7, 2022 – 2:00 P.M. TO 5:00 P.M.**

CITY OF FORT LAUDERDALE

<u>January-December 2022</u>		<u>Attendance</u>	
Marilyn Mammano, Chair	P	2	0
Gerald Angeli	P	2	0
Shane Grabski	A	1	1
James LaBrie	P	2	0
Charlie Ladd	P	1	1
Michael Marshall	A	1	1
Peter Partington	P	2	0
Jacquelyn Scott	P	2	0
Roosevelt Walters	A	1	1
Ralph Zeltman	P	2	0

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

Staff

- Tracy Van Colt, Senior Administrative Assistant / Staff Liaison
- Seemee Callier, Senior Administrative Assistant
- Alan Dodd, Director of Public Works
- Victor Carosi, Assistant Director of Public Works – Engineering
- Omar Castellon, Assistant Director of Public Works – Engineering
- Chris Lagerbloom, City Manager
- Susan Grant, Finance Director
- Daphnee Sainvil, Government Affairs and Economic Development Manager
- Jill Prizlee, Chief Engineer
- John Herbst, City Auditor
- Laura Reece, Director of the Office of Management and Budget
- Jamie Opperlee, Recording Secretary, Prototype, Inc.

Communication to the City Commission

Motion made by Ms. Scott, seconded by Chair Mammano, to recommend that we believe it is in the City’s best interests to create an RFP to design and build its own water treatment plant. In a roll call vote, the **motion** passed 6-1 (Mr. Partington dissenting).

1. **Call to Order**
 - i. **Roll Call**

The meeting was called 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. Partington, seconded by Mr. Angeli, to approve. In a voice vote, the **motion** passed unanimously.

iii. Approval of Previous Meeting Minutes – January 6, 2022

Motion made by Mr. Partington, seconded by Ms. Scott, to approve the minutes of January 6. In a voice vote, the **motion** passed unanimously.

The following Item was taken out of order on the Agenda.

3. General Discussion and Comments by Committee Members

Mr. LaBrie recalled that at the January 6, 2022 meeting, the Committee had discussed a proposed tunnel and communicated their support for it to the City Commission. Since that time, more documents have been made available by the Florida Department of Transportation (FDOT) and public meetings have been held to discuss this option. He recommended that the Committee further discuss the issue of a bridge versus a tunnel.

Chair Mammano stated that she had emailed the Committee's position to FDOT District Four Secretary Gerry O'Reilly, who replied that he would send FDOT representatives to the March 2022 Committee meeting to discuss the issue. She requested that Staff Liaison Tracy Van Colt send any link(s) to recent FDOT public meetings to the Committee members.

2. Address from City Manager Chris Lagerbloom

City Manager Chris Lagerbloom recalled that at a recent City Commission meeting, the Commission had asked that the unsolicited proposals for the Fiveash Water Treatment Plant be sent to the Infrastructure Task Force Advisory Committee (ITFAC) for a recommendation. He requested that the Committee provide their recommendation via communication to the City Commission no later than Tuesday, February 15, 2022.

Mr. Lagerbloom explained that the City had received an unsolicited proposal to build a new water treatment plant. While they were considering this proposal, a second unsolicited proposal was received, and two additional proposals were received during the period of competition between the first two. Consultant Ernst and Young has provided an analysis of these proposals, which they will present to the Committee.

Mr. Lagerbloom pointed out that there should ultimately be only one ranking, which will be done by the Commission itself. In lieu of ranking the proposals, he encouraged the

Committee to engage in healthy debate of the items before making their recommendation to the City Commission.

Mr. Partington requested clarification that the materials received by the Committee members for review, which include the analyses of each proposal by Ernst and Young, are no longer “in the shade” and can be openly discussed. Mr. Lagerbloom confirmed that this is the case, as any sensitive materials have been redacted.

4. Public Comments (at Each Item)

5. Old Business

i. Status of the RFP for the City’s “Business Representative” regarding the New Water Treatment Plant

Chair Mammano recalled that in November 2019, the Committee has provided an opinion on public-private partnerships (P3s) to the City Commission, recommending that any such partnership retain the following for the City:

- Control of the water
- Control of the rates
- Control of water quality

On January 18, 2022, the Committee had asked the Commission for an opportunity to review the unsolicited P3s. The Commission has now asked the Committee to review these proposals and comment on the RFP alternative as well.

Chair Mammano continued that consultant Ernst and Young will provide the Committee with information regarding their own comparative analysis of the proposals. This will be followed by general discussion from the Committee to determine whether the proposals meet their stated criteria, as well as any other points of information the Committee members may wish to discuss with Staff or consultants. The Committee must then consider how their decision or resolution will be submitted to the City Commission.

Chair Mammano continued that in December 2019, the City received a report from consultant Carollo advising that they should construct a new water treatment plant at the Prospect Wellfield. The report provided two options:

- Build the new plant at the wellfield and use the existing Fiveash Plant for water distribution
- Relocate all operations to the wellfield without using the Fiveash facility

The proposed costs of these changes would range between approximately \$350 million and \$450 million to construct a new water treatment plant.

Public Works Director Alan Dodd advised that in June 2021, a contract was awarded to Hazen and Sawyer to act as the owner’s representative. While Hazen and Sawyer are

operating under a general contract to perform services, no task orders have been issued to them thus far.

Mr. Partington asked if any task orders would be issued to Hazen and Sawyer if the Commission determines to move forward with one of the unsolicited P3 proposals. Mr. Dodd replied that if this were the case, the City would still be able to engage Hazen and Sawyer as an owner's representative to deal with the chosen P3 entity. He explained that the City does not have sufficient technical expertise among its Staff to manage a project of this magnitude without an owner's representative.

Mr. Dodd further clarified that an owner's representative is asked to review any documents provided to the City for technical accuracy. They would also ensure that any specific types of equipment or connections meet the City's requirements. The overall responsibility of an owner's representative is to see that the City's needs are met within the project.

Mr. LaBrie asked if the City had originally considered retaining Hazen and Sawyer to help develop an RFP. Mr. Dodd stated that when the RFP was begun, the intent was for the City to design and build its own water treatment plant. Hazen and Sawyer would have acted as owner's representative in this case by helping prepare the necessary documents. Their contract also included the flexibility to allow them to act as the City's representative if the City chose to follow the P3 model.

Mr. Partington asked if the City might consider adding any other parties to act as owner's representative if they chose to proceed with a P3. Mr. Dodd replied that the City would need to make this decision: while Public Works Staff can address their needs with the help of Hazen and Sawyer as owner's representative, there may be other City Departments overseeing legal or financial areas that could require the assistance of additional consultants. Chair Mammano concluded that Hazen and Sawyer would be able to assist the City going forward, whether they opted to proceed with a P3 or with an RFP process.

6. New Business

i. Ernst and Young Analysis of the Unsolicited Proposals for the new Water Treatment Plant

Chair Mammano requested that Ernst and Young's comparative analysis of the four unsolicited proposals pay particular attention to the three criteria cited by the Committee as crucial to any P3.

Stephen Auton-Smith and Chris Dalgarno-Platt, representing City consultant Ernst and Young, provided an overview of the presentation shown to the City Commission in January 2022. Each of the four unsolicited proposals provided a technical and financial solution for the replacement of the Fiveash Water Treatment Plant. The Fort Lauderdale

Water consortium also provided a proposal that addressed the City's entire water system, including replacement of the Fiveash plant.

Mr. Auton-Smith advised that Aqualia would provide financing, construction, and operations of the proposed new plant. They are an internationally recognized entity that has developed water plants throughout the world. Construction work would be done with the assistance of locally provided design and construction services. Their proposal is for 50 million gallons per day using nanofiltration technology, which was suggested as an option by the Carollo report.

Another proposal was made by the Fort Lauderdale Water (FLW) consortium, which includes Suez Water and Environmental Services as a partner agency. Suez provides water to a number of U.S. municipalities, including construction and operation of new plants and management of existing operations. Other partners would provide the majority of the financing. Their proposed solutions include both nanofiltration and ion exchange. FLW would look after the entire system and invest in the development of piping as well as other processes.

The third proposal is from the IDE team. This team consists of IDE Technologies, which would oversee design and construction, with financing provided by Ridgewood Infrastructure and construction by DeWitt Corporation. These partners have experience in the United States as well as internationally. Their technical solutions are similar to those offered by Aqualia and the FLW team.

The fourth proposal is from NextSpring, for which U.S. Water would undertake operations and NextSpring Water Investments would address design and construction of the updated plant. This firm has assets in Florida and throughout the United States. The Ernst and Young team advised that their proposed technical solution is "broadly consistent with Carollo."

With respect to control of water, rates, and quality, a preferred P3 would retain ownership of the water treatment facility with the City of Fort Lauderdale. The P3 contract would be set up to allow the City to specify its water quality standards and retain control of authorization of rate settings under all proposals.

Ernst and Young was asked by the City to review specific areas of the proposals, including the firms' capacity and experience as well as the general compliance of the proposals with Florida regulations. Once these were reviewed, the team then looked at a number of evaluation criteria for the purposes of comparing the proposals:

- Transfer of commercial value
- Risk to the proposers
- Technical aspects of the proposals
- Pricing and financial terms

The technical aspects were reviewed by Ernst and Young in conjunction with the City's operations team.

Mr. Auton-Smith continued that each of the teams has international experience in the development and operations of water plants, although some have less experience in the U.S. FLW partner Suez operates several systems in municipalities of similar size to Fort Lauderdale, while IDE has both domestic and international experience in developing municipal water treatment plants. NextSpring has experience in developing water treatment plants in the U.S. and in Florida in particular, although these facilities tend to be of a smaller nature.

Chair Mammano asked which team has the best capacity and financial experience. Mr. Dalgarno-Platt replied that all four teams have varying experience. He stated that the FLW team has the most substantive and directly relevant experience, determined on the basis of technology, scale of assets, and U.S. experience. Aqualia has equivalent experience, although most of this comes from outside the United States, while IDE and NextSpring have operated plants "of equivalent complexity and scale" with a greater focus on desalination.

Mr. LaBrie noted that three of the companies listed assets worth billions of dollars, while one, IDE, did not. Mr. Auton-Smith confirmed that IDE is a smaller entity than the others. He explained that Ernst and Young's evaluation looked at the scale and financial standing of the entities in the context of their roles and the financial structures they have proposed. The intent is to determine whether the proposed project has a reasonable chance of being financed and deliverable. While IDE is a smaller entity from the perspective of their operating responsibilities, including the performance, guarantee structure and level of equity contribution, Ernst and Young did not feel they were so small as to preclude them from being a credible operating partner.

Mr. Dalgarno-Platt reiterated that all four proposals meet the Committee's stated criteria for a P3. He noted that all proposers offer a similar risk profile, although there are some areas of difference between them with respect to demand, power consumption, labor costs, and performance. Regarding these last two, which focus on the willingness of proposers to stand behind the performance of staff that is employed by the City but managed by the proposers themselves, IDE was less willing to stand behind this performance, although they were willing to negotiate around this. With regard to the transfer of Staff from the City, it was proposed that this occur after a period of time, subject to further discussion.

Another consideration was price inflation, for which there were more substantial differences between the teams. Aqualia and FLW have proposed that payments made by the City would increase according to the consumer price index (CPI) and would not be capped. Aqualia would apply the CPI to the entire payment from the City, while FLW would apply it only to operating costs, reducing the City's exposure to inflation. IDE and NextSpring offered fixed annual payments with increases of 1% and 1.5% per annum

across the entire payment schedule. In terms of the pricing schedule, IDE's proposal states it would guarantee the costs and schedule included in that document, while the other three teams have not guaranteed their proposed amounts.

The presentation also referred to the City's assessment of each of the proposals from a technical perspective, including experience in constructing and operating water treatment plants, management of City employees, water quality goals, and resiliency. With respect to the financial terms, Ernst and Young looked at a basic comparison of the proposals regarding annual costs under each proposal, as well as City comparisons based on the Carollo report and rate-setting models.

Mr. Dalgorno-Platt noted that the risks associated with financial structuring depend upon the percentage of debt to equity that would be included in each of the proposers' financial solutions. These range from 100% debt, in which the City would finance all the work with no equity component, to the FLW and IDE proposals which both assume a more substantial equity commitment in comparison to debt. The equity would be provided by an entity other than a bank or other lending source and represents an element of risk on the part of the entity delivering the project.

By considering the level of design work proposed by each team, Ernst and Young was able to determine the margin of error, based on construction costs in particular, that would be incurred by each of the four teams. The lower the level of design development, the higher the potential margin of error that may occur and the greater the potential exposure to the City through increased costs compared to the baseline proposed costs.

Ernst and Young also examined the differential rates of inflation in terms of the annual payments to be made by the City to each proposer, applying each proposer's approach to inflation using a CPI index of 3%, which is the percentage applied in the City's rate model.

Regarding rate impacts, the City assumes a long lead time for the development of the replacement plant to occur. This enables rate increases agreed upon by the Commission to date to build up a cash fund over time, which means when the replacement project begins, funds have built up to help smooth rate increases at a later time.

Mr. LaBrie requested clarification of a slide which referred to "compliance with consumptive use permit." Omar Castellon, Assistant Director of Public Works (Engineering), explained that this means there is a maximum amount the City is permitted to draw from the aquifer.

Mr. LaBrie continued that the City is only permitted to draw from the Biscayne aquifer through the year 2035, and all of the proposals exceed this time frame by several years. He also noted that this time limit was not addressed in any of the proposals. Mr. Castellon replied that the City has been allocated use of the C-51 canal as another source of water, as listed in the Carollo report, to account for more water at that point in the future.

Mr. Dodd further clarified that while water will still be flowing through the aquifer, the C-51 canal would offer increased capacity for water going into the aquifer. In 2035, the City's consumptive use permit would be adjusted by making additional purchases from the C-51 canal or other sources. The water from this reservoir would then flow through the aquifer.

Mr. Dodd continued that if the City's water use increases to the point where this becomes a necessity, they will need a plant that can be expanded. All of the four proposals offer this option.

Mr. Partington observed that each of the proposals offers a number of caveats concerning water quality. He asked what would happen if this water quality deteriorates. Mr. Castellon replied that the nanofiltration process would address this need if quality becomes a concern.

Chair Mammano asked if the P3 proposers would be in charge of the wells and the pumps that draw water from these wells. It was confirmed that this would be the case. Chair Mammano asked who would then be responsible for distribution of the water from the Fiveash plant. Mr. Castellon stated that the City would take ownership of the water at a specific valve outside the Fiveash plant: the proposer would be responsible for everything before that point, from the infrastructure leading up to this valve all the way to the aquifer.

Ms. Scott asked how long a proposer would be responsible for the water treatment plant. It was clarified that this time frame would be from 33 to 50 years. At the end of this term, the City would receive ownership of the plant and can hire another entity to operate it, or operate it themselves, from that time on.

Ms. Scott expressed concern that this would mean the City would take ownership of a plant with 35-year-old equipment. Mr. Castellon pointed out that over the 35-year time frame, some of the equipment may have already been replaced. He added that any contract would include a stipulation that the plant must be in good operating condition when it is turned over to the City.

Mr. Ladd asked if the City expects the proposers to pick up capital costs, noting that these costs are typically lower for the City than what is quoted in the various proposals due to its financing and bond ratings. Chair Mammano stated that none of the proposals offer to take over billing, with the exception of the proposal from FLW, which would assume control of the entire water system. Mr. Castellon advised that the City would approve all the equipment that would go into the new plant, regardless of whether it is the result of a P3 or the RFP process.

Finance Director Susan Grant advised that the City would continue to operate billing for the water system. With regard to financing, she agreed that the City can access better financing than the private sector, with a difference of 100 to 150 basis points in the City's

favor. She added that the P3 options would most likely be able to deliver the plant sooner than the City could, as the RFP process could add up to two years to the process.

Ms. Scott also asked if it would be safe to continue using the existing water treatment plant until the RFP process is complete, should the Committee decide to recommend that process. Mr. Castellon reiterated that the RFP process could add another two years to the timeline, and pointed out that the Carollo report characterizes the existing plant as “at the end of its life.” Mr. Angeli noted that there would also be additional time in crafting a P3 agreement well, which could mean no significant difference in time frames for an RFP or a P3.

Brian Donaldson, chair of the City’s Budget Advisory Board, stated that due to the timing of Budget Advisory Board meetings, that advisory body has not been able to weigh in on the proposals. He expressed concern with the concept of moving forward with a P3 as opposed to an RFP.

Mr. Donaldson continued that the Budget Advisory Board had approved the appointment of an owner’s representative, Hazen and Sawyer, in the City’s budget. He added that the Commission acknowledged in summer 2021 that they would need to move forward to construct a new water treatment plant, and chose to budget for this through the City’s water bills in order to prevent the possibility of a spike in this utility bill in the event a bond must be issued.

Mr. Donaldson advised that there were a number of questions to be asked regarding the difference between a P3 and an RFP. He felt a P3 would be preferable for a project that the City might otherwise be unable to fund; however, the City has known that it would need to build a new water treatment plant and has the funding to do so. He cautioned against allowing a private entity to make a profit on a City utility. He also noted that the City is spending roughly \$5 to \$6 million each year to make sure they are repairing and maintaining the water treatment facility, while a private entity may not keep up the same type of maintenance over a 30-year period. He concluded that he also felt the decision-making process is being rushed.

Chair Mammano asked how much money is set aside every year for the water treatment plant. Ms. Grant replied that an additional 5% was added to water rates during the past year, and rates will continue to increase by 5% each year. The differential is placed into a capital reserve. This money will be available for a water treatment plant project whether the City chooses to proceed with a P3 or with an RFP.

Chair Mammano observed that one proposer, IDE, states they can build a new water treatment plant for \$385 million, while the Carollo report states that this estimate was closer to \$450 million two years ago. She expressed concern with the possibility that these assumptions are inflated or otherwise inaccurate. Ms. Grant stated that the estimates are “a range” of costs, and the true number will not be known until the City

either enters into an agreement with one of the proposed providers or sends the project out for RFP.

Mr. Partington reminded all present that the proposals were unsolicited and would require negotiation. He characterized the decision as being “about transference of risk:” if the City manages all operations in-house, they carry the majority of the risk for construction issues, cost overruns, and other concerns, while in a P3, the agreement would offer some profit margin to the provider in return for their assumption of a substantial amount of the risk. Chair Mammano pointed out that the amount of risk a private partner is taking on can be determined by the amount of equity they would put into the project. Mr. Partington reiterated that this amount remains negotiable.

Mr. Zeltman asked if the City’s water rates are being increased over the next three years in order to generate more revenue for the expected purchase of a new water treatment plant. Ms. Grant confirmed this, stating again that the gradual increase in water rates is intended to build up cash and support the City’s debt service, regardless of whether or not the City chooses to proceed with a P3 or an RFP.

Mr. LaBrie commented that the Carollo report concludes that nanofiltration and ion exchange are preferred technologies for a water treatment plant, and also states there is room on the Fiveash site to construct a new water treatment plant; however, the report then recommends that a new plant be built on the Prospect Wellfield instead. Mr. Castellon explained that the footprint of a new plant would not fit on the existing site without the purchase of additional land.

Chair Mammano recalled that there are additional reasons why a new plant would be constructed on the wellfield rather than at the existing site, including the size of the wellfield. She added that Staff has been very clear that it is too complicated and potentially dangerous to build a new plant on the existing Fiveash site.

Mr. Zeltman stated that if a new treatment plant is to be built on the Prospect Wellfield, it would need to be built further west due to height restrictions associated with the nearby Fort Lauderdale Executive Airport (FXE). He felt the planes coming into this site already represent a threat to the wellfield, and expressed concern that this threat would only increase if a new water treatment plant is built there.

Mr. Castellon advised that if the intent is to expand the size of the plant, there is more room for expansion at the wellfield, while there is less room at the existing Fiveash facility. If demand increases, there is no room at the current site for the placement of more water tanks or to otherwise expand the facility 20 or 30 years in the future.

Chair Mammano noted that the only certainty available through the Ernst and Young report is that they have vetted the proposing companies and their financial and technical capabilities. She asserted that practically all other information included in the report is an assumption, including most costs of construction and operation.

Ms. Scott commented that should the City choose to go out for RFP, there is a great deal of information provided by the four proposing companies, who will be permitted to bid on that RFP. She added that an RFP is more likely to allow the City to get what they want from an agreement.

Mr. Partington stated that even if the City chooses to send out an RFP, they will still have to decide which process will be used to acquire the new plant, such as design/build or construction management, which offer different levels of risk. Another option could be an RFP that lists the City's specifications up front, which also carries some risk.

Mr. Ladd asked what would happen to the Fiveash facility if a new plant is built at the Prospect Wellfield. Mr. Castellon replied that Fiveash would serve as a water distribution facility for the network, although the building where treatment currently occurs would eventually be demolished.

Mr. Angeli stated that while there are some differences between the unsolicited proposals, they are generally very similar. He did not see any referrals from customers of the four teams regarding how well the providers met their expectations or how close they came to meeting their estimates. He concluded that none of the supporting materials provided offered confidence in any particular option or the business aspects related to them, including negotiations. He concluded that he did not feel the City should make any choice that "adds more time" to the replacement process, with the possible exception of NextSpring, which already operates in Florida.

Mr. Ladd did not feel the Committee was in a position or was sufficiently knowledgeable to discuss the differences between the four proposers. He also noted that NextSpring has an affiliation with Florida Power and Light (FPL), which has not demonstrated good service to its customers. He concluded that from a development background, he felt the better decision would be for the City to determine exactly what it wants and send out an RFP in order to get the best possible price.

Mr. LaBrie commented that the City has a contract with Hazen and Sawyer to provide technical support, as well as an experienced and knowledgeable City Staff. He suggested that another company could be identified to draft an RFP or serve in the capacity of project manager to ensure that the proposed project stays on schedule. He concluded that he was also more comfortable with an RFP than with a P3.

Ms. Scott expressed concern with the possibility of any further delay that could occur if the City opted for a P3 rather than an RFP. She stated that she would like to see the City move forward with its own RFP so they can specify what they want and control it.

Mr. Partington felt the private sector has proven itself able to deliver major projects, provided that the right agreement can be negotiated. He also felt the private sector has the advantage of speed. In addition, he pointed out that the four proposers may be the

parties who are most interested in bidding on the project, and concluded that he felt there were advantages regarding price certainty and risk transfer as well.

Mr. Zeltman stated that while P3s can be used for some types of work, he did not believe they were the best option for water or wastewater treatment plants. He pointed out that the history of these facilities has demonstrated major difficulties with P3s in multiple municipalities throughout the nation as well as the world. While he felt the City's examination of the costs and risks associated with P3s was "a good exercise," he concluded that an RFP would be the better choice.

Chair Mammano stated that although she was not certain that the City could realize a project of this magnitude, she understood that a reputable South Florida engineering firm is already under contract to the City, which made her more comfortable with the option of an RFP. She was concerned that a P3 partner must make a profit as part of the agreement, and that the City must pay them this profit.

Mr. Zeltman recommended looking at a comparative analysis of projects that have been funded through P3s, which he asserted have resulted in "major problems." Mr. Partington stated that he attributed many of these issues to the way the P3 agreements were negotiated, and felt the City's negotiating team would ensure that any such agreement is watertight.

The Committee members discussed the possibility of including or excluding the projected costs of operations from a P3. Chair Mammano commented that the attractiveness of a P3 to some companies is the operation and revenue of a plant. Ms. Scott also noted that with a P3, the City would not be making the same level of profit that they are currently accustomed to: if the cities to which Fort Lauderdale supplies water decide to use another source, this revenue could be lost, whereas an RFP from the City was more likely than a P3 to retain these existing clients.

Motion made by Ms. Scott, seconded by Chair Mammano, to recommend that we believe it is in the City's best interests to create an RFP to design and build its own water treatment plant. In a roll call vote, the **motion** passed 6-1 (Mr. Partington dissenting).

Eva Arnaiz, representing Aqualia, read a statement in relation to Aqualia's P3 proposal, briefly describing the firm's experience and qualifications, as well as those of its partner agencies, to deliver the proposed project.

7. Public Works Update

- i. Water & Sewer Breaks Report 2021 w/Mapping**
- ii. CIP Financial Report**

1. Unfunded Balance Account

iii. Impact Fees – Usage

8. Adjournment

There being no further business to come before the Committee at this time, the meeting was adjourned at 4:25 p.m.

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

9. To be Discussed at the March 7 Meeting

- i. Top 10 unfunded priority projects list**
- ii. Status update on the \$200 million stormwater bond**
- iii. New member training from Dept. Director and Staff**
- iv. Update on the smart meter project (AMI)**

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

Agenda Item #2
General Discussion & Comments

From: [Tracy Van Cott \(Vendettuoli\)](#)
Bcc: cladd@barrondev.com; gerald_angeli@comcast.net; mmarshall@gunster.com; jackie@jackiescott.net; mmammano@comcast.net; prpartington@gmail.com; walt143@aol.com; shane@flynnengineering.com; zeltman@bellsouth.net; jklabrie@bellsouth.net
Subject: FW: [-EXTERNAL-] Application of the Sunshine Law at the City Council Meeting of March 1, 2022
Date: Wednesday, March 02, 2022 11:31:00 AM
Attachments: [image001.png](#)
[image003.png](#)

Good afternoon all,

Please see the below from James LaBrie.

Kind regards,

Tracy Van Cott, PMP x5865



 PAPER WISE  THINK BEFORE PRINTING!

Be as you wish to seem" – Socrates

Under Florida law, most e-mail messages to or from City of Fort Lauderdale employees or officials are public records, available to any person upon request, absent an exemption. Therefore, any e-mail message to or from the City, inclusive of e-mail addresses contained therein, may be subject to public disclosure.

Please note that as members of the committee, two-way communication between members is prohibited by Sunshine Law. Do not reply to any committee member. Discussion should take place at a scheduled committee meeting.

From: JAMES LABRIE
Sent: Wednesday, March 02, 2022 11:30 AM
To: Tracy Van Cott (Vendettuoli) <TVanCott@fortlauderdale.gov>
Cc: Alan Dodd <ADodd@fortlauderdale.gov>; Omar Castellon <OCastellon@fortlauderdale.gov>
Subject: [-EXTERNAL-] Application of the Sunshine Law at the City Council Meeting of March 1, 2022

Tracy,
Please forward this email to my colleagues on the ITFAC.

Last night at the City Commission meeting I was not allowed to speak on item R3 - Resolution Ranking Unsolicited Proposals for the New Water Treatment Plant. The City Attorney cited the Sunshine Law as the basis for his counsel to the Commission and, consequently, I was asked to sit down.

I had identified myself as a member of the ITFAC and I stated I was not speaking on behalf of the Committee. However, because another Committee Member had already spoken before me, the City Attorney said a second Member could not speak. The City Commission then went on to Rank their first and second choices for the P3 and - in a 5 to 2 vote - approved the motion to

move forward with their first choice.

It is clear to me in the materials I have read that the Sunshine Law was improperly applied last night. I and my colleague had not, and were not, having a "meeting" between us about ITFAC matters. We were both there as private citizens speaking, as is our right, to the City Commission.

Furthermore, a "meeting" is defined as: "Any time two or more persons on the same board or committee communicate about any **foreseeable** matter that may come before the board or committee, it is a meeting under the Sunshine Law".

The key word is **foreseeable**. At our February meeting the ITFAC Committee voted on a recommendation to the City to move forward with the RFP process. In other words, the ITFAC Committee's work was already completed, it was a matter of Public Record how we voted, and it had been sent to the City Commission for their consideration. There was nothing foreseeable in what was under discussion last night.

As a follow up to last night I have requested a meeting with the City Attorney to discuss the Sunshine Law and his interpretation of the Statute.

Respectfully,
James LaBrie

From: [Tracy Van Cott \(Vendettuoli\)](#)
Bcc: cladd@barrondev.com; gerald_angeli@comcast.net; mmarshall@gunster.com; jackie@jackiescott.net; mmammano@comcast.net; prpartington@gmail.com; walt143@aol.com; shane@flynnengineering.com; zeltman@bellsouth.net; jklabrie@bellsouth.net
Subject: FW: [-EXTERNAL-] Fw: AGENDA RESOLUTION No. 21-108 - Design, Build, Operate and Maintain a New Water Treatment Plant
Date: Wednesday, March 02, 2022 10:17:00 AM
Attachments: [image001.png](#)
[image003.png](#)

Good morning,

Please see the below from Ralph Zeltman.

Kind regards,

Tracy Van Cott, PMP x5865



 PAPER WISE  THINK BEFORE PRINTING!

Be as you wish to seem" – Socrates

Under Florida law, most e-mail messages to or from City of Fort Lauderdale employees or officials are public records, available to any person upon request, absent an exemption. Therefore, any e-mail message to or from the City, inclusive of e-mail addresses contained therein, may be subject to public disclosure.

Please note that as members of the committee, two-way communication between members is prohibited by Sunshine Law. Do not reply to any committee member. Discussion should take place at a scheduled committee meeting.

From: Zeltman
Sent: Wednesday, March 02, 2022 10:13 AM
To: Tracy Van Cott (Vendettuoli) <TVanCott@fortlauderdale.gov>
Cc: Alan Dodd <ADodd@fortlauderdale.gov>; Omar Castellon <OCastellon@fortlauderdale.gov>; Seemee Callier <SCallier@fortlauderdale.gov>
Subject: [-EXTERNAL-] Fw: AGENDA RESOLUTION No. 21-108 - Design, Build, Operate and Maintain a New Water Treatment Plant

Morning Tracy,

In accordance with the Florida State Sunshine Laws, please forward this information to the ITFAC Members regarding last night's Commission Meeting's results for the subject Agenda Resolution R-3 voting to determine the 1st and 2nd selections of the P3 unsolicited proposals to design, build, operate and maintain a new water treatment plant. Despite our previous recommendation to the Commission to proceed with the RFP contract method to design-build, the Commission decided to go with the P3 contract method using the unsolicited bids ranking IDE-Tech first with FLW (Suez) ranked second.

Below was my speech to the Commission, except for the first paragraph which I condensed to just my name and residence since comments were limited to only 2 minutes. The City Attorney only allowed one member (me) of the ITFAC to speak last night even though I didn't identify myself as an ITFAC Member, but only as a resident?

Just an update to possibly discuss during our next Monday's ITFAC Meeting.

Thank you,

Ralph Zeltman, Director
Imperial Point Association, Inc.

Subject: AGENDA RESOLUTION No. 21-108 - Design, Build, Operate and Maintain a New Water Treatment Plant

Hello Mayor; Vice Mayor and Commissioners,

My name is Ralph Zeltman. I reside in Imperial Point and have been a resident of Fort Lauderdale for over 50 years. I was appointed as the Civil Engineer Member to the City's Infrastructure Task Force Advisory Committee (ITFAC) since its inception in early 2017. During 2017, I performed walk-through inspections, one of which was at the 1954 Fiveash Water Treatment Plant (WTP) and submitted my findings to the Commission to consider a new WTP.

This Agenda Resolution for a new WTP appears to be limited in only entertaining the four (4) unsolicited Public-Private Participation (P3) Contracts rather than considering Request for Proposal (RFP) Contracts that would allow more qualified competitive bidders; including P3 bidders, to submit their bids in the public sunshine. The Commission needs to pursue the RFP contract method recently recommended by the Infrastructure Task Force Advisory Committee (ITFAC) because this contract method has proven to be successful for many municipalities that want to design-build a WTP.

My concerns of Public-Private Participation (P3) contracts for a new City WTP are because historically treatment plant projects throughout the country have generally failed for one reason or another. Although some P3 contracts may work for certain types of projects, historically they will generally not work for municipal treatment plants which cannot safeguard the City and their utility customers from those investors who are solely focused on profits; operation control and ownership of the WTP. The City of Fort Lauderdale needs to be in control of the design, construction, operation, maintenance and ownership of their new Water Treatment Plant (WTP) ensuring longevity in producing high quality potable water at a reasonable cost/rate for the rest of this century.

Remember, it is not only the City of Fort Lauderdale's utility customers, but seven (7) other cities with utility customers relying on Fort Lauderdale's treated water and are depending upon you, the Commissioners, to make the right decision in allowing all qualified bidders to publicly participate in the RFP process for this very important WTP project.

Ralph Zeltman, Director
Imperial Point Association, Inc.

From: [Tracy Van Cott \(Vendettuoli\)](#)
Bcc: cladd@barrondev.com; gerald_angeli@comcast.net; mmarshall@gunster.com; jackie@jackiescott.net; mmammano@comcast.net; prpartington@gmail.com; walt143@aol.com; shane@flynnengineering.com; zeltman@bellsouth.net; jklabrie@bellsouth.net
Subject: FW: [-EXTERNAL-] Fwd: FDOT ALternatives for the New River Crossing
Date: Tuesday, March 01, 2022 11:29:00 AM
Attachments: [image001.png](#)
[image003.png](#)

Good morning,

Please see the below from Marilyn Mammano.

Kind regards,

Tracy Van Cott, PMP x5865



PAPER WISE THINK BEFORE PRINTING!

Be as you wish to seem" – Socrates

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From: Marilyn Mammano
Sent: Wednesday, February 23, 2022 5:04 PM
To: Tracy Van Cott (Vendettuoli) <TVanCott@fortlauderdale.gov>
Cc: Marilyn Mammano
Subject: [-EXTERNAL-] Fwd: FDOT ALternatives for the New River Crossing

Hello Tracy,

Please send this entire email chain to the members of the ITFAC.

Thank you.

Marilyn

Begin forwarded message:

From: Marilyn Mammano
Subject: Re: FDOT ALternatives for the New River Crossing
Date: February 23, 2022 at 3:56:07 PM EST
To: "Schwab, Phil" <Phil.Schwab@dot.state.fl.us>, Alan Dodd <ADodd@fortlauderdale.gov>, Omar Castellon <OCastellon@fortlauderdale.gov>, "Tracy Van Cott (Vendettuoli)" <TVanCott@fortlauderdale.gov>
Cc: Marilyn Mammano, "OReilly, Gerry" <Gerry.OReilly@dot.state.fl.us>, "Braun, Steve" <Steve.Braun@dot.state.fl.us>, "Chanel, Alia" <Alia.Chanel@dot.state.fl.us>

Hello Phil,

Thanks for confirming. I have added staff from Public Works to this email so they can add you to the agenda and public notice. Please contact them directly for technical issues on how to participate virtually. Looking forward to seeing you.

Marilyn Mammano, Chair

On Feb 23, 2022, at 2:43 PM, Schwab, Phil <Phil.Schwab@dot.state.fl.us> wrote:

Good afternoon Marilyn,

March 7th at 2pm should be fine. We may have a couple of people that will need to connect virtually to make sure we can cover all the questions and discussion properly, they also will have access to a lot of the files, that may be useful to pull up on the screen.

Please let me know if you would like to discuss anything ahead of time or advance any questions. I know we have received different suggestions and questions from a couple of your members and looking forward to the discussion.

Thanks,
Phil

From: Marilyn Mammano
Sent: Wednesday, February 23, 2022 1:27 PM
To: OReilly, Gerry <Gerry.OReilly@dot.state.fl.us>
Cc: Marilyn Mammano; Schwab, Phil <Phil.Schwab@dot.state.fl.us>; Braun, Steve <Steve.Braun@dot.state.fl.us>; Chanel, Alia <Alia.Chanel@dot.state.fl.us>
Subject: Re: FDOT ALternatives for the New River Crossing

Hello Mr OReilly,

The members of the Infrastructure Task Force Advisory Committee would appreciate speaking with the members of the FDOT team working on the Broward Commuter Rail Project. Our next meeting is on March 7 at 2:00 pm. We meet in person at the Fort Lauderdale City Hall in the 8th Conference Room. The Public Works Staff can arrange for you to join us virtually if you like.

Please let me know if this works for their schedule so I can pass it on the the staff to make the arrangements and notice it on our Agenda.

Marilyn Mammano, Chair
Infrastructure Task Force Advisory Committee

On Jan 22, 2022, at 9:57 AM, Marilyn Mammano wrote:

Hello Mr. O'Reilly,

Thank you for your response to our letter regarding the preference of the Infrastructure Task Force Advisory Committee's for a tunnel under the New River. Myself and two members of the committee were at the City Commission Meeting where you made a presentation regarding the alternatives. I plan to attend the in person workshop on January 31.

I look forward to talking with Phil Schwab regarding additional information. Our next meeting on February 7 is devoted exclusively to reviewing the Ernst and Young Evaluation of the unsolicited proposals for the new water treatment plant. We meet again on March 7.

Regards

Marilyn Mammano, Chair ITFAC

On Jan 21, 2022, at 4:31 PM, O'Reilly, Gerry
<Gerry.OReilly@dot.state.fl.us> wrote:

Thank you for your e-mail on behalf of the City of Fort Lauderdale's Infrastructure Advisory Committee (ITFAC). As you may be aware, the Broward Commuter Rail (BCR) Study team provided the City Commission a presentation regarding the project and the different alternatives that are being studied to cross the New River on January 18, 2022. The presentation and discussion also included the processes that are being followed for County Commissioners to select a Locally Preferred Alternative that will include the crossing of the New River.

Although we can appreciate the infrastructure committee's position to oppose 'any new bridge for commuter rail crossing the New River in Downtown Fort Lauderdale' it would be helpful if your committee could provide additional feedback on all alternatives, even those that you deem less desirable. Since we have just recently received a series of questions from members of your group, I will have our project manager contact you to see if a presentation to the committee would be beneficial to provide you with any additional information or answer any questions you may have.

In addition, there is an Alternatives Public Workshop scheduled for January 27th (virtual only) and an in-person only meeting January 31st that will also be good sources for information and opportunities to ask questions. You can register for this meeting on the project website at www.browardcommuterrailstudy.com.

Gerry O'Reilly, PE
District Four Secretary
Florida Department of Transportation
Office [\(954\) 777-4411](tel:9547774411)
Cell [\(954\) 214-1915](tel:9542141915)

From: Marilyn Mammano
Sent: Thursday, January 13, 2022 1:47 PM
To: O'Reilly, Gerry
<Gerry.OReilly@dot.state.fl.us>
Subject: FDOT ALternatives for the New River
Crossing

**EXTERNAL SENDER: Use caution
with links and attachments.**

Marilyn Mammano, AICP Chairperson
Infrastructure Task Force Advisory Committee
City of Fort Lauderdale
100 N Andrews Avenue
Fort Lauderdale FL

January 13, 2022

Mr. Gerry O'Reilly, FDOT District 4
Secretary

3400 West Commercial Boulevard
Fort Lauderdale, Florida 33309

Dear Mr. Secretary,

On March 7 2017 the City of Fort
Lauderdale Commission adopted
Resolution No 17-46 establishing the
Fort Lauderdale Infrastructure
Advisory Committee (ITFAC). The
purpose and duties of the ITFAC
included reviewing existing City
infrastructure, identifying
replacement needs and funding, and
making recommendations to the City

Commission regarding improvement priorities. Since then significant investments were made throughout the city and especially in our Downtown.

At the January 6 2022 Meeting of the Infrastructure Task Force Advisory Committee, there was a discussion regarding the FDOT alternative proposals for crossing the New River in Downtown to accommodate commuter rail. The members voted unanimously to forward this recommendation to the Commission.

“In principal the ITFAC is opposed any new bridge for commuter rail crossing the New River in Downtown Fort Lauderdale”

I am forwarding this information to you at this time and will follow up with the official minutes when they are prepared.

Regards,

Marilyn Mammano

Marilyn Mammano, AICP

Agenda Item #4 (i) & (ii)
Top 10 Unfunded Priority Projects List
& Stormwater Bond Status

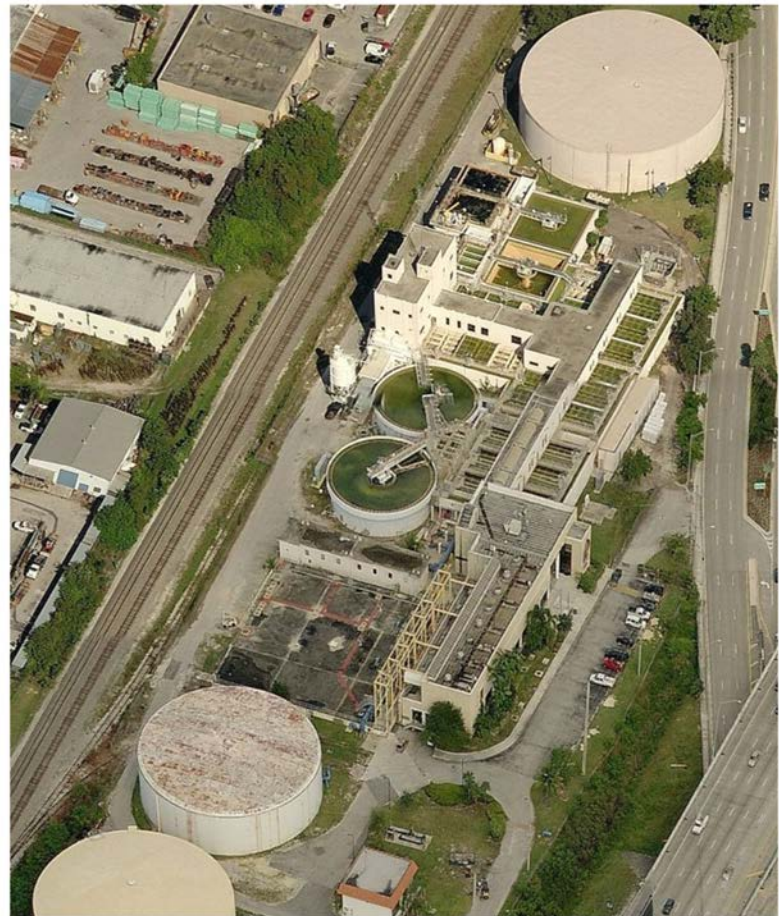


Fort Lauderdale Public Works Infrastructure Priorities

Public Works Department
March 7, 2022



Issues and Challenges In Managing Infrastructure

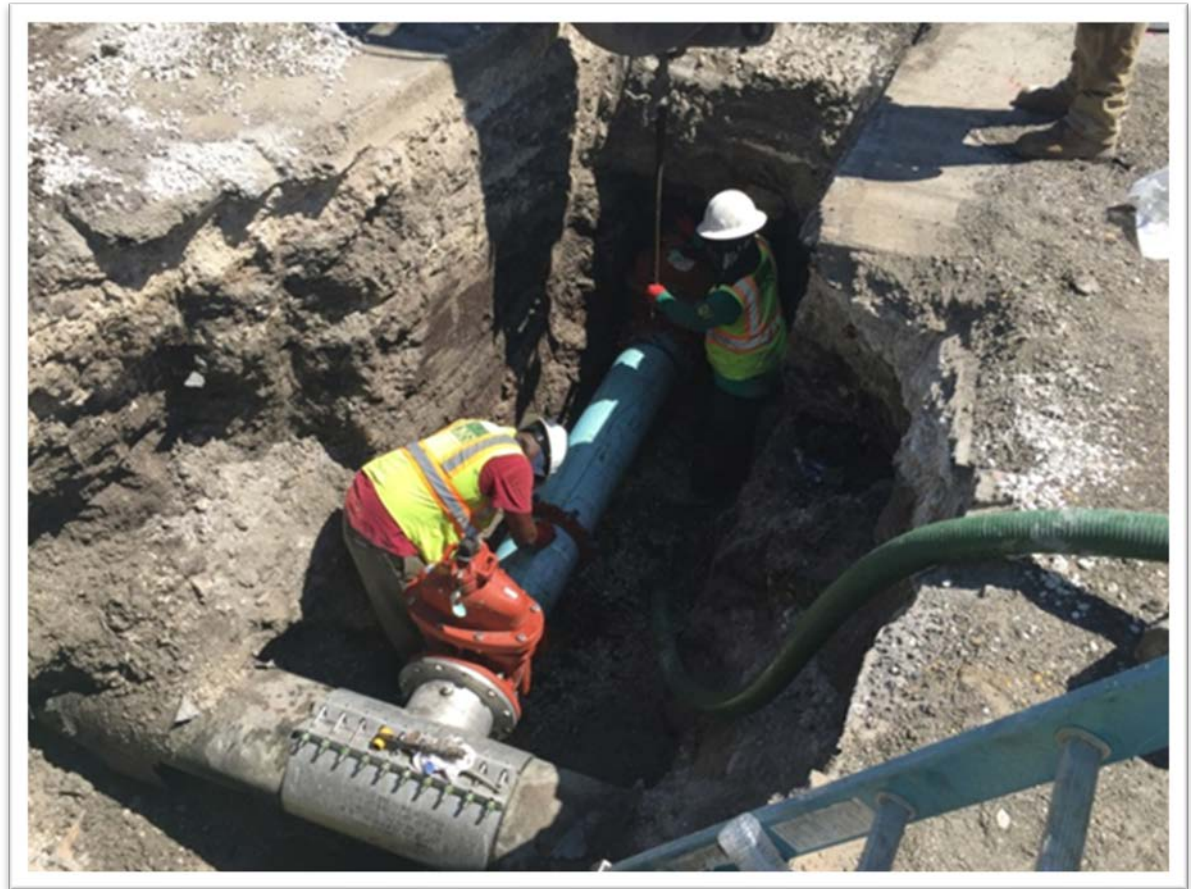


- Aging, deteriorating, or obsolete infrastructure/technology
- Deferred maintenance due to limited funding
- Changing regulatory environment and costs of compliance
- Higher levels of service desired
- Jurisdictional issues with County/State
- Infrastructure needs to support economic growth
- Evolving infrastructure standards for sustainable, balanced solutions
- Balancing capital investments with maintenance/operational costs
- Changing the built environment to accommodate alternative travel modes



Guiding Principles

- Compliance with legal requirements
- Addressing immediate life, health, safety, or environmental needs
- Reducing high risks that may impact city's ability to provide essential services
- Supporting future developmental needs
- Integrating technology to improve efficiency and situational awareness
- Mitigating for climate change and carbon neutrality goals
- Improving community and systems resilience
- Replacing aging or obsolete infrastructure
- Providing system redundancy
- Supporting City Commission Priorities
- Consideration of number of people impacted, time since project initiation, and availability of funds





Infrastructure Areas

General Fund

- Neighborhood Mobility
 - Roads
 - Bridges
 - Sidewalks
- Seawalls
- Facilities
- Street Lighting
- Utility Undergrounding

Stormwater Fund

- Stormwater Program

Water and Sewer Fund

- Water Utility
- Wastewater Utility





Roads

● Overview

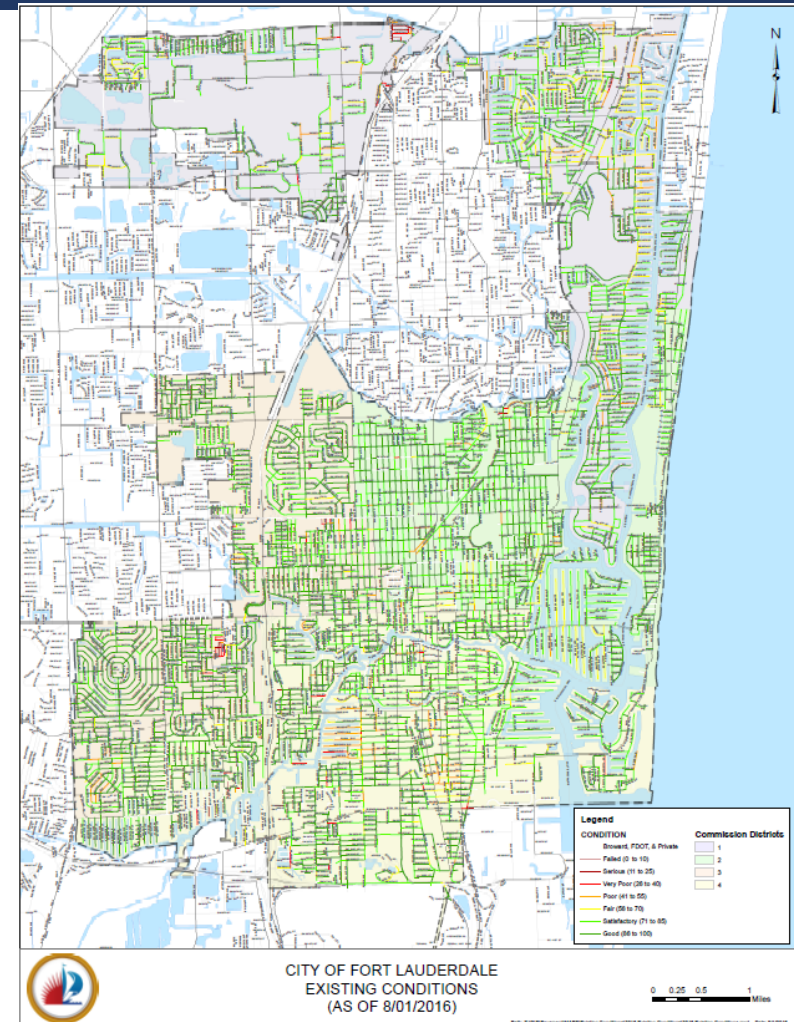
- 525 miles of roadway under City jurisdiction
- Road conditions based on 2013 Pavement Condition Index (PCI):
 - Good (86 – 100) - 212 miles
 - Satisfactory (71 – 85) - 185 miles
 - Fair (56 – 70) - 98 miles
 - Poor to failed (0 – 55) - 30 miles

● Issues / Challenges

- Maintenance of pavers in major roadways
- Staff training on PCI
- Lack of funding and deferred maintenance
- Utility adjustments on FDOT projects

● Opportunities

- Policy for use and maintenance of pavers on roadways
- Incorporate roadway paving with other types of projects (e.g., stormwater, sewer)
- Master agreement for utility adjustments with dedicated annual funding





Roads

Unfunded Priority Projects FY 22 - 25

- Paving of Alleyways (28 miles - \$4.5M)
- Road Services Team Repair Facility (5021 Northwest 15 Avenue - \$2.5M)
- Mill & Resurface existing Microsurfaced Streets (78 miles - \$2.5M/year, \$12.5M total)





Bridges

Overview

- 53 City owned bridges
- Bridge Master Plan completed August 2014

Issues and Challenges

- Effects of salt and brackish water
- Tides and sea level rise impacts
- Aging infrastructure
- Access during improvements
- Tide and sea level rise impacts on structure and navigability

Opportunities

- Enhance level of service and reduce risk to traveling public
- Introduce new materials and processes





Bridges

Unfunded Priority Projects FY 22 – 25

- Bridge Replacement (SE 13th Street over Cerro Gordo River - \$5.5M)
- Bridge Replacement (Laguna Terrace over Diane River - \$3.5M)





Sidewalks

Overview

- Sidewalk Inspection and Management System assessed 465 miles of sidewalks
- Identified 106 miles in need of repairs
- Damages compiled into 5 categories
 - C-1, Vertical displacement >1/4 - inch
 - C-2, Wide cracks >1/8 - inch
 - C-3, Vertical displacement < 1/4 - inch
 - C-4, Surface defects (concrete spalling)
 - C-5, Narrow cracks < 1/8 – inch

Unfunded Priority Projects FY 22 – 25

- New Sidewalk Connections (20 miles city-wide - \$1.7M/year, \$8.5M 5 year total)

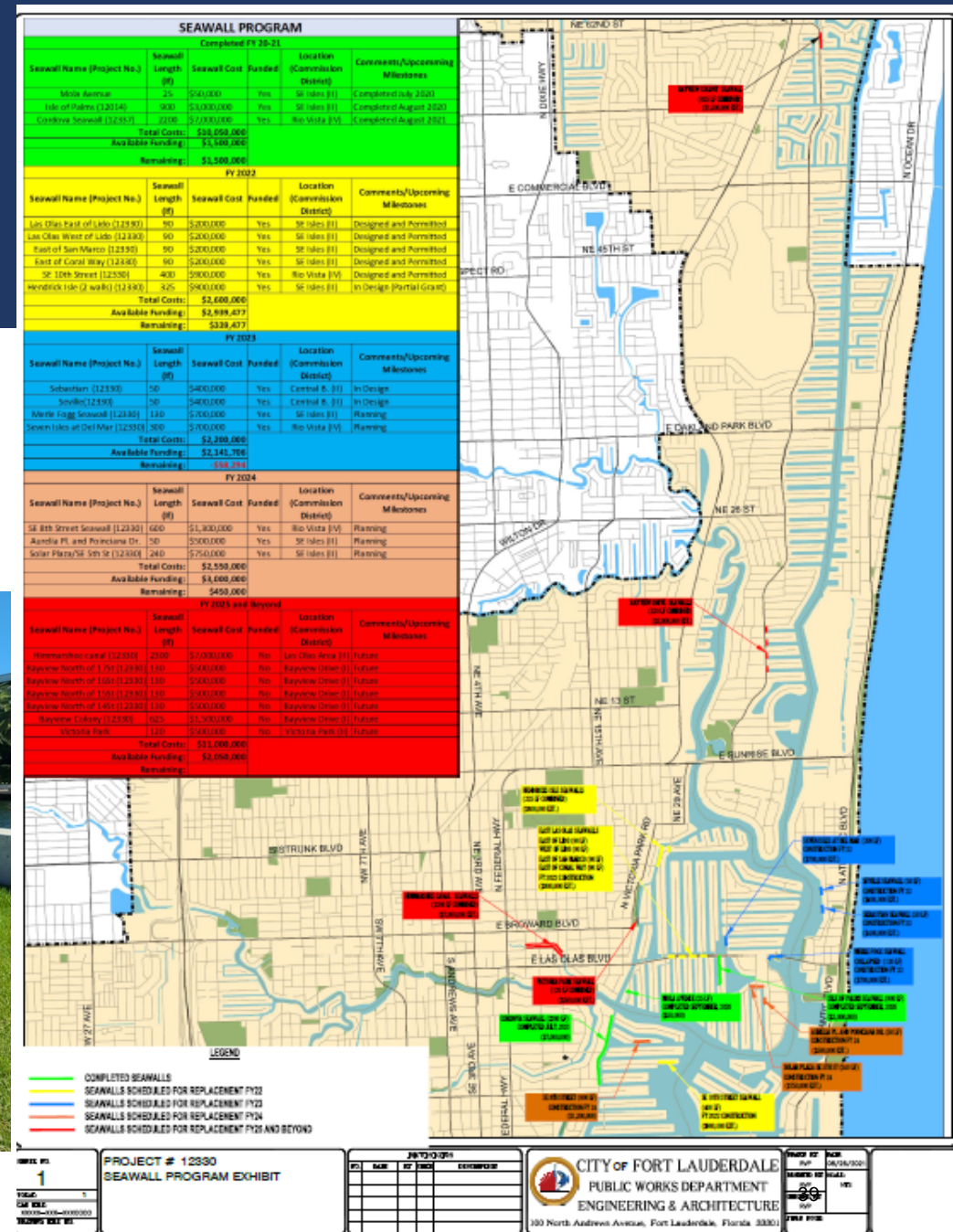




Seawalls

Overview

- Approximately 200 miles of seawalls and banks
- 4.8 miles City-owned seawalls
- 2.0 miles City-owned natural banks





Seawalls

SEAWALL REPLACEMENT PROGRAM									
Project Number	Project Description/Address	Current Balance	FY23	FY24	FY25	Total	Fund	Notes	District
P11906	MOLA	NA				\$ 50,000.00	331	COMPLETE	2
P12034	Cordova Seawall	NA				\$ 7,000,000.00	331	COMPLETE	2
P12014	Isle of Palms Seawall	NA				\$ 3,000,000.00	331	COMPLETE	4
P12330	Las Olas Seawall East of Lido	\$ 200,000.00				\$ 200,000.00	331	FUNDED	2
P12330	Las Olas Seawall West of Lido	\$ 200,000.00				\$ 200,000.00	331	FUNDED	2
P12330	Las Olas Seawall East of San Marco	\$ 200,000.00				\$ 200,000.00	331	FUNDED	2
P12330	Las Olas Seawall East of Coral Way	\$ 200,000.00				\$ 200,000.00	331	FUNDED	2
P12330	SE 10th Street	\$ 900,000.00				\$ 900,000.00	331	FUNDED	4
P12330	Hendricks Isles Seawalls	\$ 1,300,000.00				\$ 1,300,000.00	331	75% FUNDED	2
P12330	Sebastian Central Beach		\$ 400,000.00			\$ 400,000.00	331	FUNDING PENDING	2
P12330	Seville Central Beach		\$ 400,000.00			\$ 400,000.00	331	FUNDING PENDING	2
P12330	Merle Fogg		\$ 700,000.00			\$ 700,000.00	331	FUNDING PENDING	2
P12330	Seven Isles at Del Mar		\$ 700,000.00			\$ 700,000.00	331	FUNDING PENDING	2
P12330	SE 8th Street Seawall			\$ 1,300,000.00		\$ 1,300,000.00	331	FUNDING PENDING	4
P12330	Aurelia and Poinciana Seawall			\$ 500,000.00		\$ 500,000.00	331	FUNDING PENDING	2
P12330	Solar Plaze/SE 5th Street			\$ 750,000.00		\$ 750,000.00	331	FUNDING PENDING	2
P12330	Himmarshee Canal Seawall				\$ 7,000,000.00	\$ 7,000,000.00	331	FUNDING PENDING	2
P12330	Bayview North of 17 Street				\$ 500,000.00	\$ 500,000.00	331	FUNDING PENDING	1
P12330	Bayview North of 16 Street				\$ 500,000.00	\$ 500,000.00	331	FUNDING PENDING	1
P12330	Bayview North of 15 Street				\$ 500,000.00	\$ 500,000.00	331	FUNDING PENDING	1
P12330	Bayview North of 14 Street				\$ 500,000.00	\$ 500,000.00	331	FUNDING PENDING	1
P12330	Bayview Colony				\$ 1,500,000.00	\$ 1,500,000.00	331	FUNDING PENDING	1
P12330	Victoria Park				\$ 500,000.00	\$ 500,000.00	331	FUNDING PENDING	2
	Total	\$ 3,000,000.00	\$ 2,200,000.00	\$ 2,550,000.00	\$ 11,000,000.00	\$ 28,800,000.00			



Stormwater Masterplan

NEIGHBORHOOD STORMWATER PROGRAM

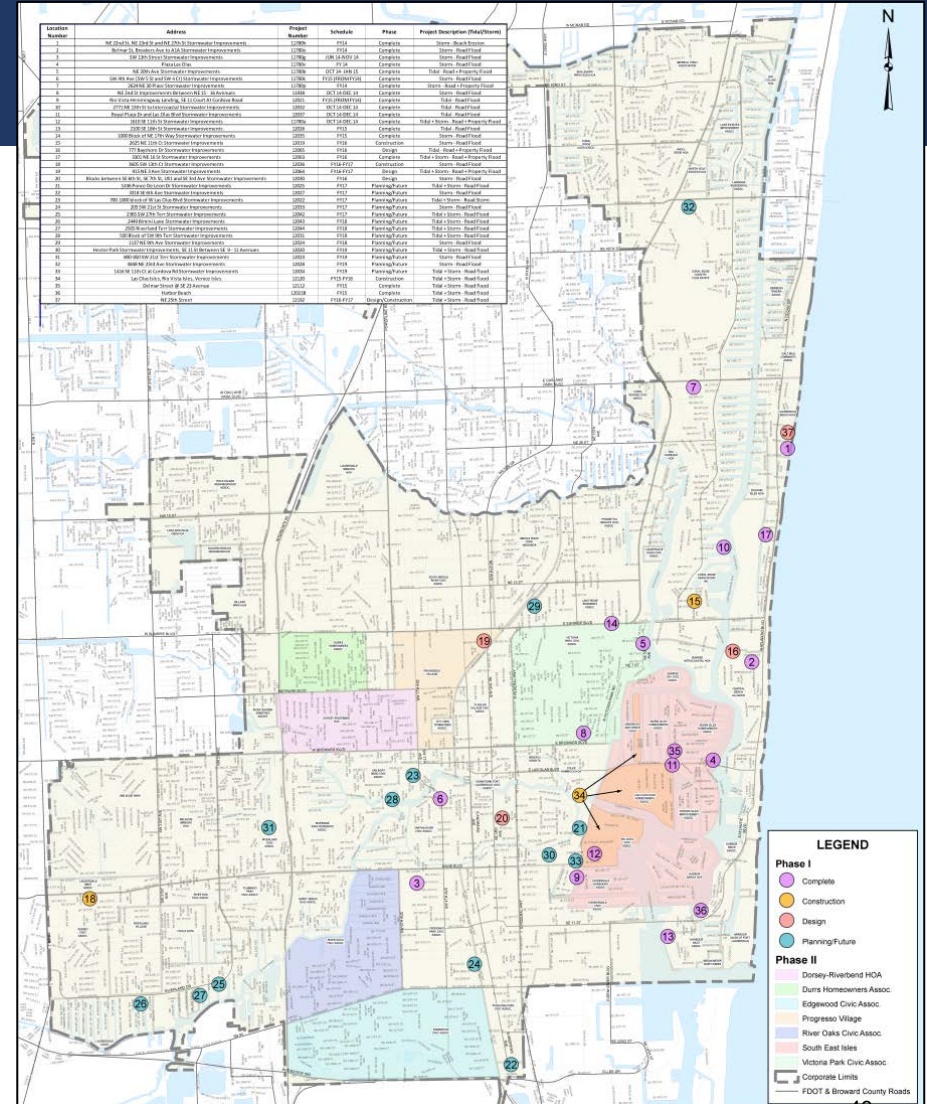
Project Number	Project Description/Address	Current Balance	FY23	FY24	FY25	FY26	FY27	Total	Notes	District
P11868	River Oaks Stormwater Improvements (In Construction)	\$ 8,000,000.00	\$ 8,000,000.00	\$ 9,000,000.00	\$ -	\$ -	\$ -	\$ 25,000,000.00	FUNDED	4
P11868.b	River Oaks Preserve Pump Stations		\$ 4,000,000.00	\$ 4,000,000.00				\$ 8,000,000.00	FUNDED	4
P11842	Edgewood Stormwater Improvements (In Construction)	\$ 5,000,000.00	\$ 6,000,000.00	\$ 5,000,000.00	\$ -	\$ -	\$ -	\$ 16,000,000.00	FUNDED	4
P11844	Durrs Area Stormwater Improvements		\$ 7,000,000.00	\$ 7,000,000.00	\$ 7,000,000.00	\$ -	\$ -	\$ 21,000,000.00	FUNDED	3
P11845	Dorsey-Riverbend Stormwater Improvements		\$ 7,000,000.00	\$ 7,000,000.00	\$ 7,000,000.00	\$ -	\$ -	\$ 21,000,000.00	NOT FUNDED	3
P11843	Progresso Area Stormwater Improvements			\$ 9,000,000.00	\$ 9,000,000.00	\$ 9,000,000.00	\$ -	\$ 27,000,000.00	NOT FUNDED	2 & 3
P12082	Victoria Park Tidal Stormwater Improvements			\$ 6,500,000.00	\$ 6,500,000.00	\$ 6,000,000.00	\$ -	\$ 19,000,000.00	NOT FUNDED	2
P12074	Southeast Isles Tidal and Stormwater Improvements				\$ 10,000,000.00	\$ 10,000,000.00	\$ 10,000,000.00	\$ 30,000,000.00	NOT FUNDED	2 & 4
P12719	Melrose Manors Neighborhood Improvements (Design and Permitting)		\$ 1,000,000.00	\$ 1,000,000.00	\$ 1,100,000.00	\$ 20,000,000.00	\$ 20,000,000.00	\$ 43,100,000.00	PARTIAL FUNDS	3
	Total	\$ 13,000,000.00	\$ 33,000,000.00	\$ 48,500,000.00	\$ 40,600,000.00	\$ 45,000,000.00	\$ 30,000,000.00	\$ 210,100,000.00		



Stormwater CIPs

Unfunded Priority Projects FY 22 – 25:

- Osceola Canal Dredging (\$3M)
- Poinsettia Heights Neighborhood Improvements (\$5M)
- NE 32nd Avenue and NE 30th St (Shooters) (\$1M)





Water

Unfunded Priority Projects FY 22 – 25

- Davie Blvd Water Main Abandonment (**\$3.3M**)
- Sea Breeze Blvd Water Main Replacement (**\$10M**)
- NW 38th Street near Fiveash WTP Water Main Installation (**\$1.3M**)
- SE 25th Street Water Main Abandonment (**\$700,000**)
- Small Water Mains Replacement – NE 51st Street (**\$7.4M**)





Sewer

Unfunded Priority Projects FY 22 – 25

- Flow Meters for Sewer Pump Stations A-18, A-19, A-21, D-40, D-43, A-11, B-11, B-14, and D-34 (**\$1.7M**)





Completed Water Distribution Projects 2015-2021

Project No.	Project Name	Expenditure to Date	Feet Installed
11571	Oakland Park Beach Area Water Main	\$98,171.80	
12156	NE 57 ST Small Watermain Improvements	\$149,689.58	950
10851	Lake Ridge Sunrise Blvd. Small Water Main Improvements	\$3,788,879.59	19,616
12196	Relocation of Existing 16 Water Main & Installation of 16 Force Main @ E. Las Olas BLVD	\$3,578,652.85	
12050	FDOT Broward Blvd Bridge Replacement - 30 Inch Watermain Replacement	\$1,367,638.02	
12197	Fiveash Water Treatment Plant Hydrotreators 3 & 4 Influent Pipe Modifications	\$729,448.79	500
12179	Tanbark Lane Small Water Main Replacement	\$190,503.25	200
12180	Croissant Park Small Water Mains	\$3,178,336.98	15,000
10850	Victoria Park A - North Small Watermain Improvements	\$6,427,123.93	26,500
12251	Clarifier Pipe Replacement	\$232,982.95	560
12391	Bermuda Riviera Small Watermain Improvements	\$4,621,056.19	25,000
11901	Victoria Park B - South Small Watermain Improvements	\$8,274,542.08	29,000
12463	Coral Shores Small Watermain Improvements	\$1,113,035.87	6,200
	TOTAL	\$33,750,061.88	123,526



Scheduled Water Distribution Projects 2021-2026

PROJECT NO.	PROJECT NAME	EXPENDITURE	FEET TO BE INSTALLED
10814	Central New River Water Main River Crossings	\$678,122	1070
11080	Port Condo Large Water Main Improvements	\$229,136	1,300
12462	Coral Ridge Small Watermain Improvements	\$86,335	16,000
12399	Fiveash Waterplant PCCP Replacement	\$76,430	500
10848	South Middle River A North - Small Watermain Improvements	\$4,923,106	25,590
10853	Flagler Heights - Small Watermain Improvements	\$1,344,426	8,600
11622	SW 20th CT SW 22 TERR SW 24 AVE Small Water Main Improvements	\$965,234	3,225
11720	Imperial Point Large Water Main - Phase II	\$2,191,768	4,660
11770	South Andrews AVE & SE 17 ST Large Water Main Replacement	\$557,958	1,270
	TOTAL	\$11,052,515	62,215



Completed Sewer Projects 2015-2021

PROJECT NO.	PROJECT NAME	EXPENDITURE TO DATE	FEET INSTALLED
11719	Sunrise BLVD Middle River Bridge Watermain Relocate Design	\$956,496.10	
12319	Emergency Repairs 30" FM A-repump Station To GTL	\$15,879,363.00	18,480
12572	Rio Vista Tarpon River Subaqueous Redundant Force Main	\$4,879,179.34	2,400
12419	Force Main Condition Assessment	\$88,020.12	
12390	16 Force Main Along Las Olas Blvd Phase 2	\$3,049,983.75	3,100
12413	Force Main (From Pump Stations D-35 To D-36) Upsize	\$1,211,531.67	2,000
12388	NE 13th ST 24 Force Main Replacement	\$3,520,713.00	3,300
12389	18 Inch FM Replacement Across The N. River From Ne 9th St To N. Birch Road	\$1,723,174.68	3,575
11773	G.T. Lohmeyer Wastewater Treatment Plant Rehabilitation Of PCCP Pipe (Sequence B)	\$9,593,278.27	500
12177	East Las Olas 12 Force Main Replacement	\$1,794,704	1,900
12352	South Middle River Force Main River Crossing	\$1,563,344	1,800
12566	North Redundant Sewer Force Main	30,094,214	21,840
12567	South Redundant Sewer Force Main	\$31,811,624.39	25,251
	TOTAL	\$106,165,626.37	84,146

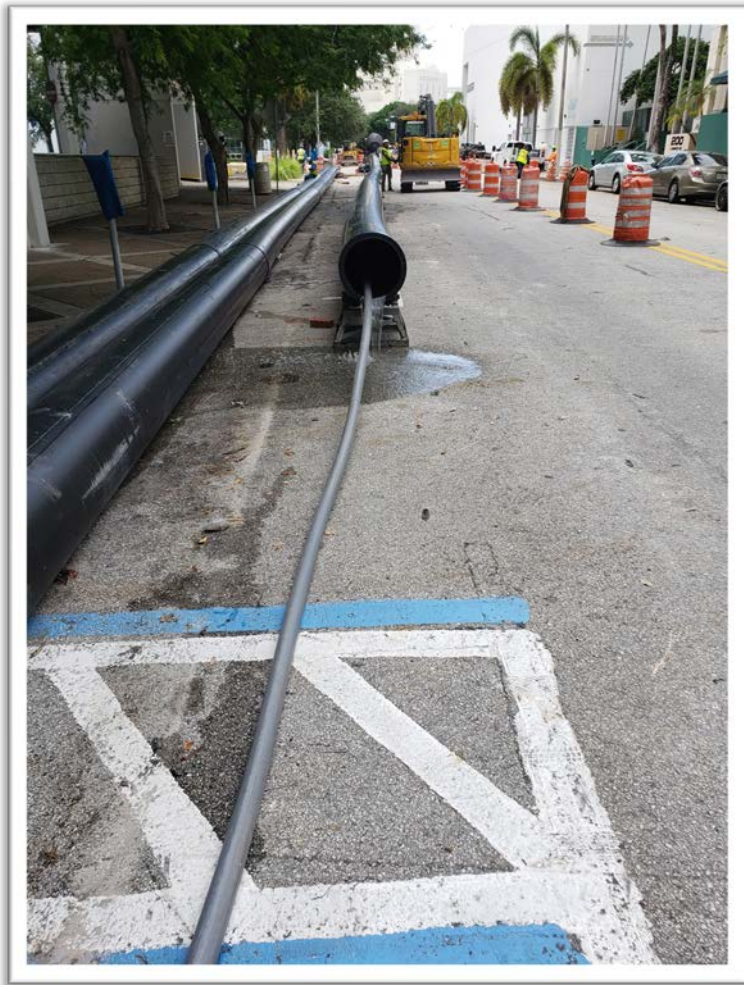


Scheduled Sewer Projects 2022-2026

PROJECT NO.	PROJECT NAME	EXPENDITURE TO DATE	FEET TO BE INSTALLED
12406	Redundant Force Main From B-repump To GTL	\$29,450.50	
12387	Effluent Pipe 54 Force Main Replacement	\$136,798.72	
12384	NE 38TH ST 42 INCH FM & NE 19TH AVE 24 INCH FM Replacements	\$590,273.04	3,000
12385	SE 10TH AVE 48 INCH FM Replacement & 36 INCH Bypass	\$39,673.14	13,400
12386	54 INCH FM Replacement On SE 9TH & 10th AVE and New Parallel	\$10,133.68	6,000
10940B	Riverland Annex Sanitary Sewer & Water Main		17,500
11577	WW Conveyance System LT Remediation Program- Sewer Basin A-21 In Progresso	\$973,196.51	
11769	Riverland C-1/D-54 Force Main Replacement	\$219,499.79	1,000
12383	NE 25th AVE 24 Force Main Replacement	\$482,864	5,500
	TOTAL	\$2,481,889.38	46,400



Pipeline 5-Year Total



Pipeline 5 Year Total							
Diameter	TOTAL (FT)	Replaced 2015-2021	% Replaced	Scheduled 2021-2026	% to Be Replaced	Total 2015-2026	% 2015-2026
Water Distribution	4,134,240	123,526	3.00	62,215	1.50	185,741	4.5
Wastewater							
Forcemains	712,800	84,146	11.8	46,400	6.50	130,546	18.3
Gravity System Inflow/Infiltration	1,943,040	521,150	26.82				
Total	2,655,840	605,296	22.8	46,400	1.75	651,696	24.53



Summary



We are making significant infrastructure advances over the next five years to ensure the sound infrastructure necessary for future growth and economic prosperity.

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

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.

Agenda Item #4 (iv)
Update on the AMI Project



Advanced Metering Infrastructure (AMI)

Public Works Department
Sylejman Ujkani - Program Manager
March 7, 2022



Presentation Outline

1. City of Fort Lauderdale's Water Utility Infrastructure
2. AMI Technology
3. AMI Benefits
4. AMI Concerns
5. Program/Project Status & Timeline



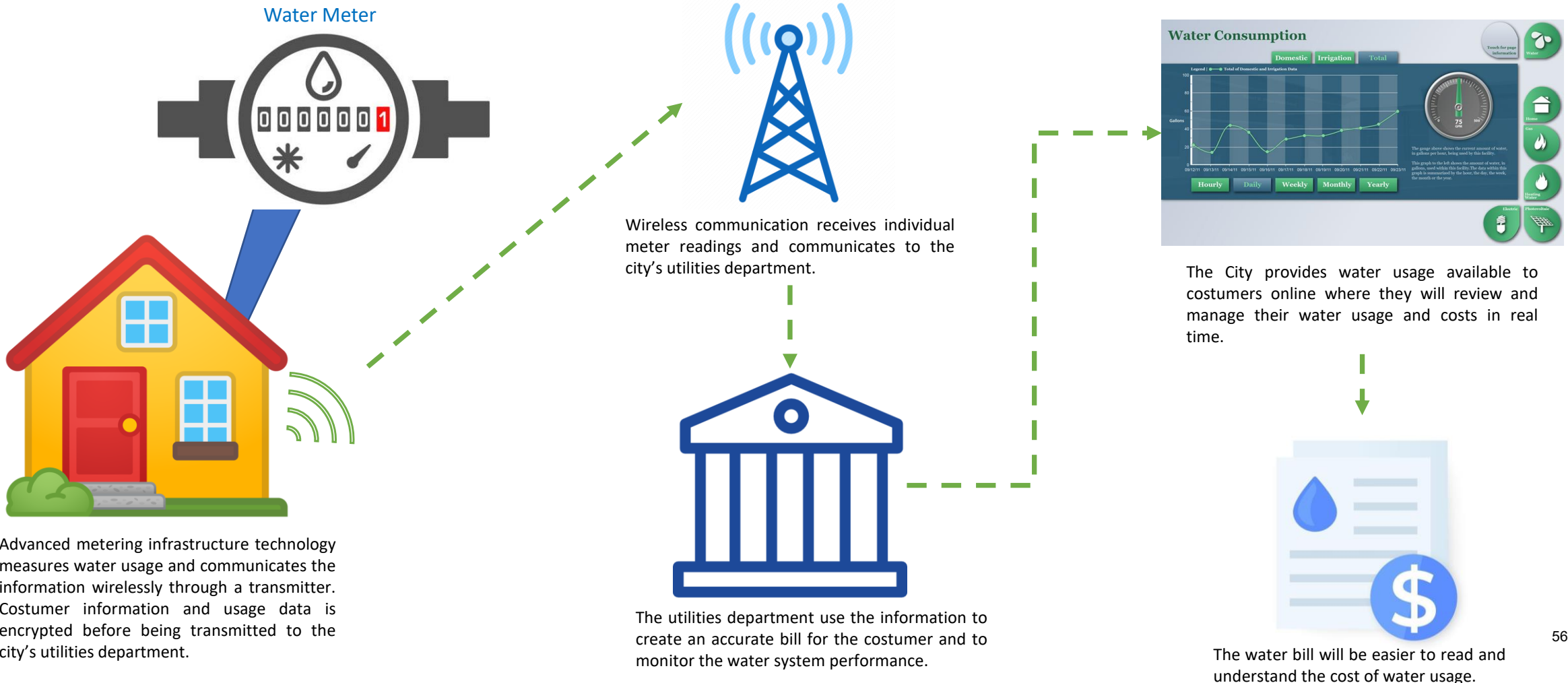
City's Water Utility Infrastructure

- Accounts: ~ 64,000
- Population served: 235,000
- Water provided: 54 mgd
- Manual meter reads
- Difficult to troubleshoot





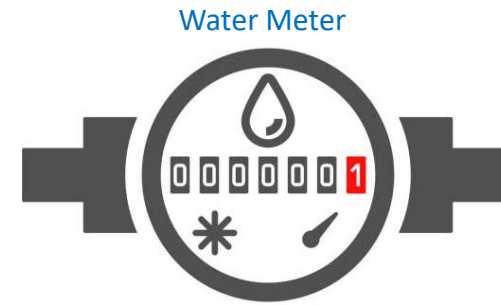
AMI Technology





AMI Benefits

- Operational savings
- Increased accuracy of water usage
- Non-Revenue Water Loss
- Real time alerts for leaks, unusual usage, etc.
- Better problem diagnosis
- Better customer services to our neighbors
- Water usage can be viewed online by neighbors in real time





AMI Concerns

- High upfront cost
- Possible neighbor resistance
- Potential for increased water bills due to higher accuracy
- Technology benefits may not be utilized





Program/Project Status & Timeline

Program Start

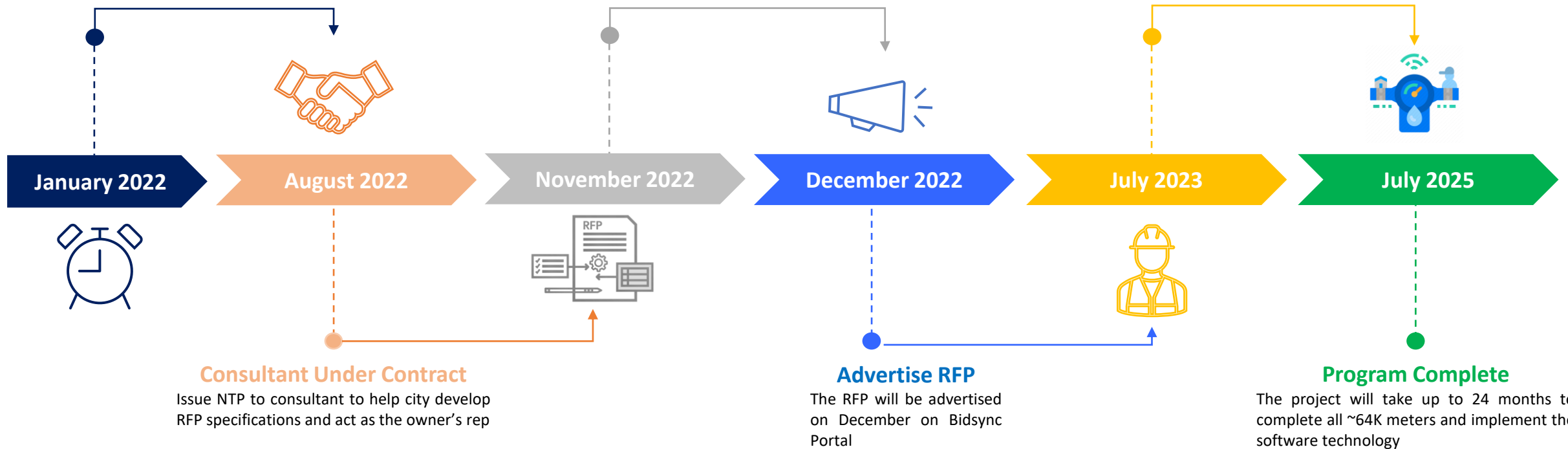
The project is currently in the cone of silence. Estimated bid closing date is March 30th

Complete RFP

The completion of RFP development

Implementation

Issue NTP to the selected contractor who will implement the AMI Technology for the city





Thank you

Agenda Item #6 (i)
Water & Sewer Breaks Report w/ Mapping

Date of break/SSO	Q-Alert#	Address	Type	Size in inches	Cause	Cost	Volume (Gal)	SSO Issued	Impacted Properties
2/16/2022	882575	1765 SE 18 ST			Gravity Blockage		900	Yes	
2/20/2022	884873	NW 10 AVE & W Commercial Blvd			Sewer Stoppage		300	Yes	

Total Count 2

January 0
February 2
March
April
May
June
July
August
September
October
November
December

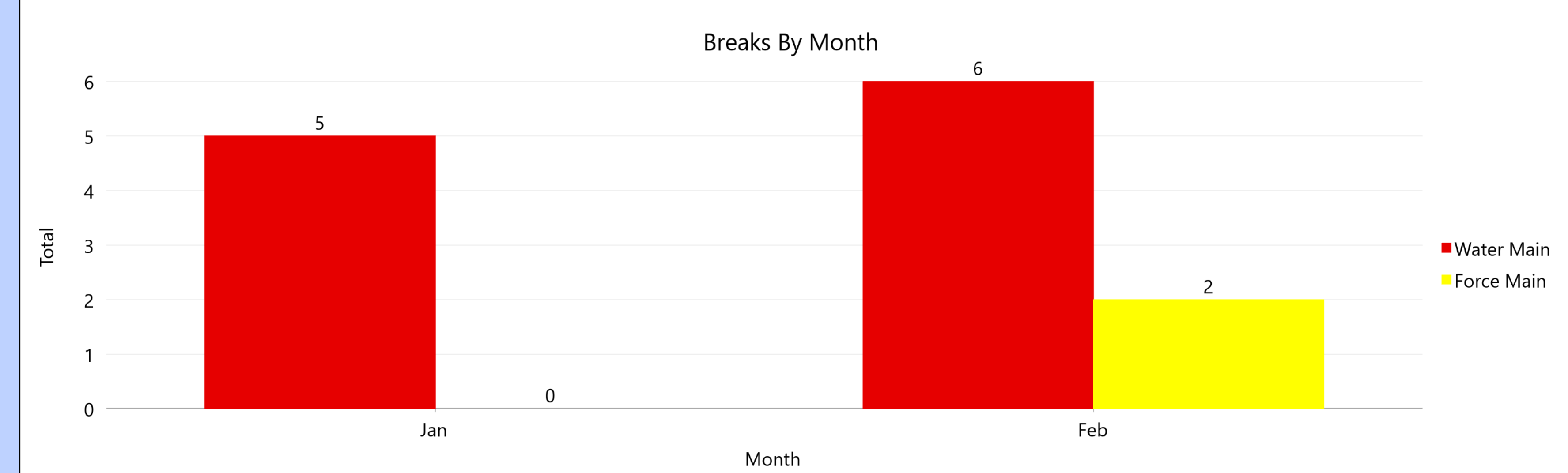
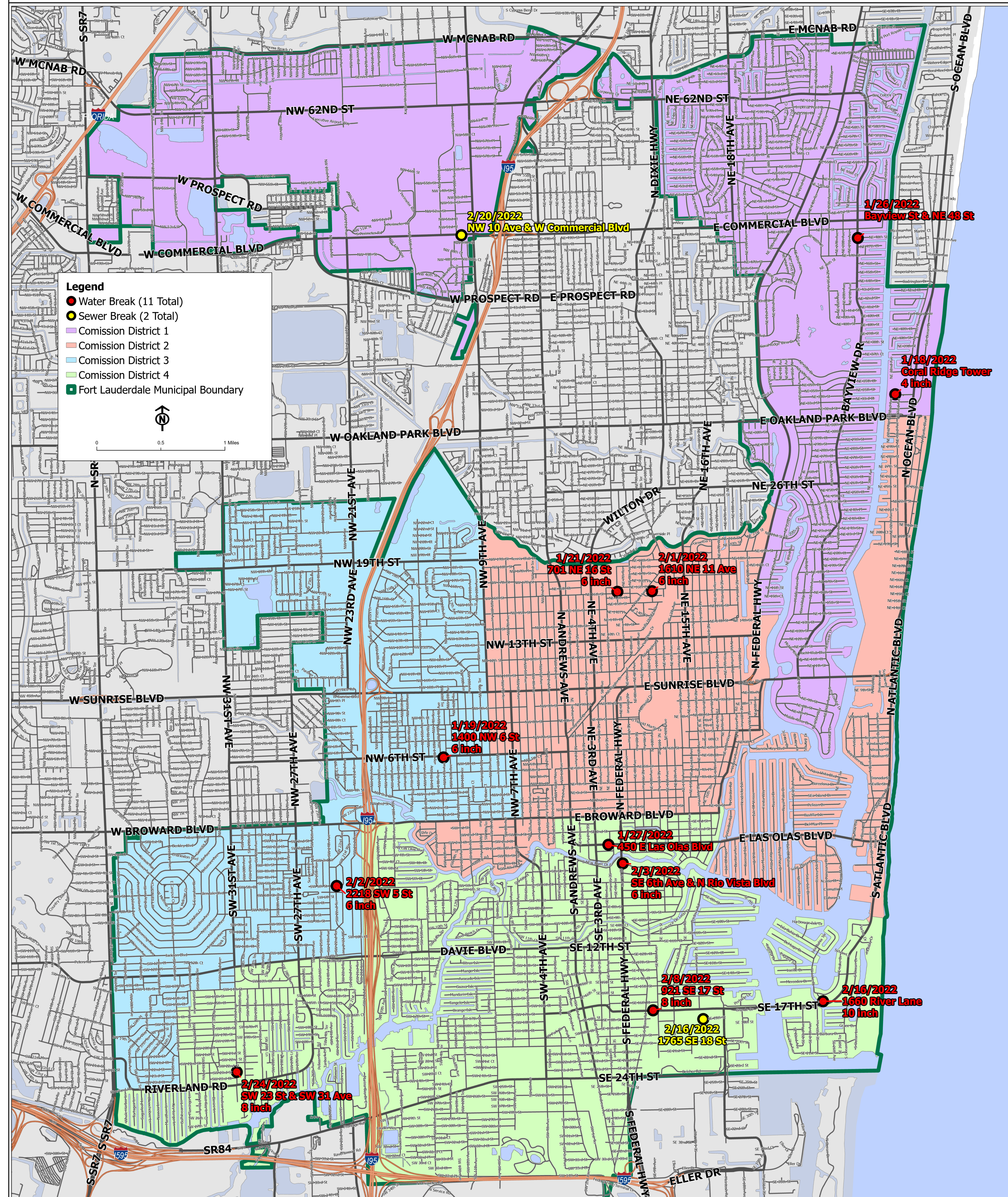
Total Count 2

Date of break/PBWN	Q-Alert#	Address	Type	Size in inches	Cause	Cost	Water Loss	Precautionary Boil Water Notice	Impacted Properties
1/18/2022		Coral Ridge Tower		4 - inch				Yes	100+
1/19/2022	871475	1400 NW 6 St		6 - inch				Yes	18
1/21/2022	872066	701 NE 16 St		6 - inch				Yes	45
1/26/2022		Bayview St and NE 48 St						Yes	445
1/27/2022	873901	450 E Las Olas Blvd						Yes	6
2/1/2022	872548/876637	1610 NE 11 Ave		6 -inch	Emergency Repair			Yes	12
2/2/2022	876747/876753	2218 SW 5 ST		6 - Inch	Emergency Repair			Yes	6
2/3/2022	877887	SE 6th Ave & N. Rio Vista Blvd		6 - Inch	Emergency Repair			Yes	29
2/8/2022	875380	921 SE 17 ST		8 - inch	Emergency Repair			Yes	10
2/16/2022	882758	1660 River Lane		10 -Inch	Emergency Repair			Yes	5
2/24/2022	886648	SW 23 ST & SW 31 AVE		8 - inch	Emergency Repair			Yes	20

Total Count 11

January 5
February 6
March 0
April 0
May 0
June 0
July 0
August 0
September 0
October 0
November 0
December 0

Total Count 11



Water Distribution Breaks

Date of Break/PBWN	Q-Alert	Address	Type	Size	Cause	PBWN Issued?	Impacted Properties
1/18/2022		Coral Ridge Tower	Water Main	4 inch		Y	100+
1/19/2022	871475	1400 NW 6 St	Water Main	6 inch		Y	18
1/21/2022	872066	701 NE 16 St	Water Main	6 inch		Y	45
1/26/2022		Bayview St & NE 48 St	Water Main			Y	445
1/27/2022	873901	450 E Las Olas Blvd	Water Main			Y	6
2/1/2022	872548/876637	1610 NE 11 Ave	Water Main	6 inch	Emergency Repair	Y	12
2/2/2022	876747/876753	2218 SW 5 St	Water Main	6 inch	Emergency Repair	Y	6
2/3/2022	877887	SE 6th Ave & N Rio Vista Blvd	Water Main	6 inch	Emergency Repair	Y	29
2/8/2022	875380	921 SE 17 St	Water Main	8 inch	Emergency Repair	Y	10
2/16/2022	882758	1660 River Lane	Water Main	10 inch	Emergency Repair	Y	5
2/24/2022	886648	SW 23 St & SW 31 Ave	Water Main	8 inch	Emergency Repair	Y	20

Sewer Main Breaks

Date of Break/PBWN	Q-Alert	Address	Type	Size	Cause	Volume (Gal)	SSO Issued?	Impacted Properties
2/16/2022	882575	1765 SE 18 St	Force Main		Gravity Blockage	900	Y	
2/20/2022	884873	NW 10 Ave & W Commercial Blvd	Force Main		Sewer Stoppage	300	Y	

Agenda Item #6 (ii)
CIP Financial Report

Consent Order Projects Financial Report Summary
February 22, 2022

Consent Order Projects by Category	Total Budget Amount	Actuals as of 2-22-22	% Spent to Date as of 2-22-22	Encumbrances as of 2-22-22	Remaining Balance as of 2-22-22
GTL Upgrades	28,295,566	166,407	1%	3	28,129,157
I&I	37,844,732	26,444,817	70%	5,196,959	6,202,956
Master Plan/Report	15,176,479	7,055,065	46%	1,721,106	6,400,308
Sewer Basin	2,164,992	2,164,992	100%	-	-
Sewer Force Main	118,263,963	101,500,018	86%	2,365,436	14,398,509
Stormwater	54,426,525	4,055,814	7%	44,552,255	5,818,456
Watermain	1,928,910	1,928,910	100%	-	-
Grand Total	\$ 258,101,168	\$ 143,316,024	56%	\$ 53,835,758	\$ 60,949,386

Consent Order Projects Financial Report
February 22, 2022

Index Code / Project Title	Category	Project Status	Budget as of 2-22-22	Expenditures to Date as of 2-22-22	% Spent to Date as of 2-22-22	Encumbrances as of 2-22-22	Remaining Balance as of 2-22-22
P11563.454 VICTORIA PARK SEWER BASIN A-19 REHAB			1,606,619	1,431,420		175,198	1
P11563.482 VICTORIA PARK SEWER BASIN A-19 REHAB			-	-		-	-
P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB			5,832,153	5,550,310		129,744	152,099
P11563 TOTAL PROJECT COSTS	I&I	Construction	7,438,772	6,981,730	94%	304,942	152,100
P11566.454 RIO VISTA SEWER BASIN D-43 REHAB			3,523,431	2,206,730		574,958	741,743
P11566.482 RIO VISTA SEWER BASIN D-43 REHAB			381	381		-	-
P11566.495 RIO VISTA SEWER BASIN D-43 REHAB			4,268,936	4,110,864		8,706	149,367
P11566 TOTAL PROJECT COSTS	I&I	Construction	7,792,748	6,317,975	81%	583,663	891,110
P11842.470 EDGEWOOD STORMWATER IMPROVEMENTS			1,928,448	1,831,767		12,152	84,529
P11842.473 EDGEWOOD STORMWATER IMPROVEMENTS			16,846,632	431,300		16,415,332	0
P11842 TOTAL PROJECT COSTS	Stormwater	Construction	18,775,080	2,263,068	12%	16,427,483	84,529
P11868.470 RIVER OAK STORMWATER ANALYSIS			957,578	887,514		19,011	51,053
P11868.473 RIVER OAK STORMWATER ANALYSIS			33,535,000	729,877		28,048,217	4,756,906
P11868 TOTAL PROJECT COSTS	Stormwater	Construction	34,492,578	1,617,391	5%	28,067,228	4,807,959
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	4,605,256		3,747,310	1,312,328
P11991.482 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			3,335	3,335		-	-
P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION			2,000,000	67,126		-	1,932,874
P11991 TOTAL PROJECT COSTS	I&I	Construction	11,668,229	4,675,717	40%	3,747,310	3,245,202
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			2,457,469	1,209,044		-	1,248,425
P12049.482 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS			8,255	8,255		-	-
P12049.495 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS			1,318,983	663,869		173,254	481,860
P12049 TOTAL PROJECT COSTS	I&I	Construction	3,784,707	1,881,168	50%	173,254	1,730,285
P12055.454 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			3,276,801	2,705,171		387,372	184,258
P12055.482 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			-	-		-	-
P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB			3,883,475	3,883,056		418	1
P12055 TOTAL PROJECT COSTS	I&I	Construction	7,160,276	6,588,227	92%	387,789	184,260
P12124.454 CNTRL BCH ALLIANCE PUMP STN REPLAC D-41			2,132,448	2,132,448		-	-
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	Warranty	4,625,610	4,625,610	100%	-	-

Index Code / Project Title	Category	Project Status	Budget as of 2-22-22	Expenditures to Date as of 2-22-22	% Spent to Date as of 2-22-22	Encumbrances as of 2-22-22	Remaining Balance as of 2-22-22
P12177.454 E LAS OLAS 12" FORCE MAIN REPLACEMENT	Sewer Force Main	Complete	1,689,730	1,689,730		-	-
P12177 TOTAL PROJECT COSTS			1,689,730	1,689,730	100%	-	-
P12202.454 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN	Sewer Basin	Construction	205,156	205,156		-	-
P12202.495 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN			1,224,358	1,224,358		-	-
P12202 TOTAL PROJECT COSTS			1,429,513	1,429,513	100%	-	-
P12264.470 DRAINAGE CANAL DREDGING	Stormwater	Design	1,158,867	175,356		57,544	925,968
P12264 TOTAL PROJECT COSTS			1,158,867	175,356	15%	57,544	925,968
P12319.454 EMERG REPAIR 30" FM - REPUMP TO GTL WWTP	Sewer Force Main	Complete	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			15,879,363	15,879,363	100%	-	-
P12352.454 S MIDDLE RIVER FORCE MAIN RIVER CROSSING	Sewer Force Main	Finance	874,016	874,015		-	0
P12352.495 S MIDDLE RIVER FORCE MAIN RIVER CROSSING			609,000	609,000		-	-
P12352 TOTAL PROJECT COSTS			1,483,015	1,483,015	100%	-	0
P12367.495 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Design	-	-		-	-
P12367.496 ASSET MANAGEMENT & CMOM PROGRAMS			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			871,387	518,080		353,307	-
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			204,430	121,555		82,874	-
P12367 TOTAL PROJECT COSTS			1,075,817	639,636	59%	436,182	-
P12368.495 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation & Planning	-	-		-	-
P12368.496 SEWER CAPACITY ANLY FOR GRAVITY & FM			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			725,896	725,759		137	-
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			35,560	35,553		7	-
PBS670501 LOHMEYER REGIONAL PLANT SUPPORT			9,811	9,799		12	-
PBS060101 UTILITIES ENGINEERING OPERATIONS	200,279	200,025		254	-		
P12368 TOTAL PROJECT COSTS	971,546	971,137	100%	409	-		
P12375.451 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Design	662,758	595,063		58,232	9,462
P12375.454 PROG MGMT OF CONSENT ORDER PROJECTS			1,013,442	658,744		197,519	157,179
P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS			752,000	686,660		10,578	54,762
P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS			115,000	109,927		1,168	3,905
P12375 TOTAL PROJECT COSTS			2,543,200	2,050,395	81%	267,497	225,308
P12383.451 NE 25TH AVE FORCE MAIN REPLACEMENT	Sewer Force Main	Design	1,363,353	3,393		-	1,359,960
P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT			4,784,890	356,776		551,532	3,876,582
P12383 TOTAL PROJECT COSTS			6,148,243	360,169	6%	551,532	5,236,542
P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM	Sewer Force Main	Design	2,096,690	466,370		800,857	829,463
P12384 TOTAL PROJECT COSTS			2,096,690	466,370	22%	800,857	829,463
P12387.496 EFFLUENT MAIN REHABILITATION	Sewer Force Main	Project Initiation & Planning	3,184,000	89,021		294	3,094,685
P12387 TOTAL PROJECT COSTS			3,184,000	89,021	3%	294	3,094,685
P12388.454 NE 13TH ST 24" FORCE MAIN REPLACEMENT	Sewer Force Main	Construction	3,761,244	154,600		67,987	3,538,657
P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT			3,313,090	3,060,123		252,967	-
P12388 TOTAL PROJECT COSTS			7,074,334	3,214,723	45%	320,954	3,538,657
P12389.454 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH	Sewer Force Main	Construction	238,620	87,210		30,417	120,994
P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH			2,112,550	1,991,292		121,257	1

Index Code / Project Title	Category	Project Status	Budget as of 2-22-22	Expenditures to Date as of 2-22-22	% Spent to Date as of 2-22-22	Encumbrances as of 2-22-22	Remaining Balance as of 2-22-22
P12389 TOTAL PROJECT COSTS	Sewer Force Main	Complete	2,351,170	2,078,501	88%	151,674	120,995
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		-	-
P12390 TOTAL PROJECT COSTS	Sewer Force Main	Complete	3,048,520	3,048,520	100%	-	-
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	Warranty	1,132,545	1,132,545	100%	-	-
P12418.495 WTR & W/WTR D & C SYSTEM MAPPING			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			3,441,353	2,424,335		1,017,018	-
P12418 TOTAL PROJECT COSTS	Master Plan/Report	Project Initiation & Planning	3,441,353	2,424,335	70%	1,017,018	-
P12419.495 FORCE MAIN ASSESSMENT			-	-		-	-
P12419.496 FORCE MAIN ASSESSMENT			-	-		-	-
FD495.01 WATER & SEWER MASTER PLAN 2017			924,284	924,284		-	-
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017			45,279	45,279		-	-
P12419 TOTAL PROJECT COSTS	Master Plan/Report	Master Plans & Report	969,563	969,563	100%	-	-
P12529.451 EFFLUENT PMP STNBY GENERATOR & ADMIN BLD			14,295,566	165,363		3	14,130,201
P12529.496 EFFLUENT PMP STNBY GENERATOR & ADMIN BLD			14,000,000	1,044		-	13,998,956
P12529 TOTAL PROJECT COSTS	GTL Upgrades	Project Initiation & Planning	28,295,566	166,407	1%	3	28,129,157
P12566.451 REDUNDANT SEWER FM NORTH TO GTL WWTP			4,524,621	4,440,029		15,779	68,813
P12566.496 REDUNDANT SEWER FM NORTH TO GTL WWTP			25,225,638	25,198,392		27,246	1
P12566 TOTAL PROJECT COSTS	Sewer Force Main	Construction	29,750,259	29,638,420	100%	43,025	68,814
P12567.496 REDUNDANT SEWER FM SOUTH TO GTL WWTP			35,249,741	33,243,288		497,102	1,509,352
P12567 TOTAL PROJECT COSTS	Sewer Force Main	Construction	35,249,741	33,243,288	94%	497,102	1,509,352
P12569.495 NE 5TH STREET FORCE MAIN IMPROVEMENT			1,928,910	1,928,910		-	-
P12569 TOTAL PROJECT COSTS	Watermain	Complete	1,928,910	1,928,910	100%	-	-
P12570.495 36TH STREET FORCE MAIN IMPROVEMENT			-	-		-	-
P12570 TOTAL PROJECT COSTS	Sewer Force Main	Warranty	-	-	-	-	-
P12729 WATER DISTRIBUTION SYSTEM MAPPING			-	-		-	-
PBS660101 DISTRIBUTION & COLLECTION OPERATIONS			6,175,000	-		-	6,175,000
P12729 TOTAL PROJECT COSTS	Master Plan/Report	Bidding	6,175,000	-	0%	-	6,175,000
Grand Total			\$ 258,101,168	\$ 143,316,024	56%	\$ 53,835,758	\$ 60,949,386

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.

Water & Sewer Bond Expenditures Summary

February 22, 2022

Bond Funded Projects by Category	Total Budget Amount	Actuals as of 2-22-2022	% Spent to Date as of 2-22-2022	Encumbrances as of 2-22-2022	Remaining Balance as of 2-22-2022
Finance	23,595,311	19,193,777	81%	1,538,035	2,863,499
Fiveash Upgrades	25,310,530	5,460,466	22%	4,364,622	15,485,442
GTL Updgrades	14,000,000	1,044	0%	-	13,998,956
I&I	17,303,547	14,275,225	82%	312,121	2,716,201
Master Plan/Report	1,501,455	845,424	56%	311,201	344,829
Peele Dixie Upgrades	310,000	93,440	30%	8,920	207,640
Sewer Basin	1,821,149	1,251,233	69%	14,181	555,736
Sewer Force main	97,439,838	72,149,590	74%	7,041,462	18,248,785
Watermain	23,156,672	21,142,949	91%	1,332,479	681,245
Grand Total	\$ 204,438,503	\$ 134,413,149	66%	\$ 14,923,022	\$ 55,102,333

Index Code / Project Title	Category	Project Phase	Budget	Actuals as of 2-22-2022	% Spent to Date as of 2-22-2022	Encumbrances as of 2-22-2022	Remaining Balance as of 2-22-2022
FD495.01 WATER & SEWER MASTER PLAN 2017	Finance	Implementation	21,611,457	17,390,677	80%	1,455,154	2,765,627
FD496.01 WATER & SEWER REGIONAL MASTER PLAN 2017	Finance	Implementation	1,983,854	1,803,100	91%	82,881	97,872
P10814.495 CENTRAL NEW RIVER W/MAIN RIVER CROSSING	Watermain	Construction	1,632,562	951,318	58%	-	681,244
P10850.495 VICTORIA PARK A NORTH-SMALL WATERMAINS	Watermain	Construction	4,435,773	4,433,729	100%	2,044	0
P11080.495 PORT CONDO SMALL WATER MAIN IMPROVEMENTS	Watermain	Construction	932,320	51,606	6%	880,714	0
P11563.495 VICTORIA PARK SEWER BASIN A-19 REHAB	I&I	Construction	5,832,153	5,550,310	95%	129,744	152,099
P11566.495 RIO VISTA SEWER BASIN D-43 REHAB	I&I	Construction	4,268,936	4,110,864	96%	8,706	149,367
P11589.495 FIVEASH WTP DISINFECTION IMPROVEMENTS	Fiveash Upgrades	Construction	17,328,046	1,087,503	6%	1,436,823	14,803,720
P11901.495 VICTORIA PK STH SM WATERMAINS IMPROVEMNT	Watermain	Construction	5,149,658	5,147,939	100%	1,719	1
P11991.495 DOWNTOWN SEWER BASIN PS A-7 REHABILITATION	I&I	Construction	2,000,000	67,126	3%	-	1,932,874
P12049.495 FLAGLER HEIGHTS SWR BASIN A-21 LATERALS	I&I	Construction	1,318,983	663,869	50%	173,254	481,860
P12055.495 BASIN A-18 SANITARY SWR COLL SYSTM REHAB	I&I	Construction	3,883,475	3,883,056	100%	418	1
P12133.495 PUMP STN A-13 REDIRECTION E OF FEDERAL	Sewer Force main	Warranty	478,014	478,014	100%	-	-
P12180.495 CROISSANT PARK SMALL WATER MAINS	Watermain	Complete	2,822,718	2,822,718	100%	-	-
P12184.495 DAVIE BLVD 18" WM ABAN I-95 TO SW 9 AVE	Watermain	Hold	297,692	297,692	100%	0	(0)
P12202.495 LIFT STATN D-11 FLOW ANALYSIS & REDESIGN	Sewer Basin	Construction	1,224,358	1,224,358	100%	-	-
P12319.495 EMERG REPAIR 30" FM - REPUMP TO GTL WWTP	Sewer Force main	Complete	2,697,299	2,697,299	100%	-	-
P12352.495 S MIDDLE RIVER FORCE MAIN RIVER CROSSING	Sewer Force main	Finance	609,000	609,000	100%	-	-
P12367.495 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Design	-	-	-	-	-
P12367.496 ASSET MANAGEMENT & CMOM PROGRAMS	Master Plan/Report	Design	-	-	-	-	-
P12368.495 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation & Planning	-	-	-	-	-
P12368.496 SEWER CAPACITY ANLY FOR GRAVITY & FM	Master Plan/Report	Project Initiation & Planning	-	-	-	-	-

Index Code / Project Title	Category	Project Phase	Budget	Actuals as of 2-22-2022	% Spent to Date as of 2-22-2022	Encumbrances as of 2-22-2022	Remaining Balance as of 2-22-2022
P12375.495 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Design	752,000	686,660	91%	10,578	54,762
P12375.496 PROG MGMT OF CONSENT ORDER PROJECTS	Master Plan/Report	Design	115,000	109,927	96%	1,168	3,905
P12383.496 NE 25TH AVE FORCE MAIN REPLACEMENT	Sewer Force main	Design	4,784,890	356,776	7%	551,532	3,876,582
P12384.496 NE 38TH ST 42" FM & NE 19TH AV 24" FM	Sewer Force main	Design	2,096,690	466,370	22%	800,857	829,463
P12385.496 SE 10TH AV 48" FM REPL & 36" BYPASS	Sewer Force main	Canceled	18,326	18,326	100%	-	-
P12386.496 54" FM RPL SE 9TH/10TH AV & NEW PARALLEL	Sewer Force main	Canceled	6,072	6,072	100%	-	-
P12387.496 EFFLUENT MAIN REHABILITATION	Sewer Force main	Project Initiation & Planning	3,184,000	89,021	3%	294	3,094,685
P12388.495 NE 13TH ST 24" FORCE MAIN REPLACEMENT	Sewer Force main	Construction	3,313,090	3,060,123	92%	252,967	-
P12389.495 18" FM RPL ACROSS NEW RVR FRM 9TH/ BIRCH	Sewer Force main	Complete	2,112,550	1,991,292	94%	121,257	1
P12390.495 16" FM ALONG LAS OLAS BLVD PHASE 2	Sewer Force main	Complete	2,410,943	2,410,943	100%	-	-
P12391.495 BERMUDA RIVIERA SML WTRMN IMPROVEMENTS	Watermain	Complete	4,838,041	4,422,876	91%	415,165	-
P12395.495 PEELE DIXIE ELECTRICAL STUDIES	Peele Dixie Upgrades	Master Plans & Report	210,000	63,133	30%	-	146,867
P12396.495 PEELE DIXIE SURGE PROTECTION UPGRADES	Peele Dixie Upgrades	Implementation	100,000	30,307	30%	8,920	60,773
P12399.495 FIVEASH WTP PCCP REPLACEMENT	Fiveash Upgrades	Complete	33,511	33,511	100%	-	-
P12400.495 PROSPECT WELLFIELD ELC STUDIES & TESTING	Master Plan/Report	Project Initiation & Planning	185,000	1,168	1%	-	183,832
P12402.495 PEELE DIXIE WELLFIELD ELC STUD & TESTING	Master Plan/Report	Master Plans & Report	150,000	47,670	32%	-	102,331
P12404.495 EXCAVATE & DISPOSE OF DRY LIME SLUDGE	Fiveash Upgrades	Warranty	4,228,973	4,228,973	100%	-	-
P12406.496 REDUNDANT FORCE MAIN FROM B-REPUMP	Sewer Force main	Bidding	10,377	10,377	100%	-	-
P12407.495 SUBACQUEOUS FM CROSSING REINSTATEMENT	Sewer Force main	Canceled	-	-	-	-	-
P12410.495 PUMP STATION C-1 REPLACEMENT	Sewer Force main	Bidding	620,000	28,538	5%	-	591,462
P12412.495 PUMP STATIONS A-16 UPGRADE	Sewer Force main	Design	3,000,000	22,012	1%	-	2,977,988
P12413.495 FM FROM PUMP STN D-35 TO D-36 UPSIZE	Sewer Force main	Warranty	517,445	517,445	100%	-	-
P12414.495 GRAVITY PIPE IMPV TO DWNTWN COL SYSTM	Sewer Force main	Bidding	3,143,000	192,792	6%	82,771	2,867,437
P12415.495 PUMP STATION A-7 UPGRADE	Sewer Force main	Construction	2,582,889	691,410	27%	1,782,559	108,921
P12418.495 WTR & W/WTR D & C SYSTEM MAPPING	Master Plan/Report	Project Initiation & Planning	-	-	-	-	-
P12419.495 FORCE MAIN ASSESSMENT	Master Plan/Report	Master Plans & Report	-	-	-	-	-
P12419.496 FORCE MAIN ASSESSMENT	Master Plan/Report	Master Plans & Report	-	-	-	-	-
P12456.495 SEWER BASIN D-40 REHAB	Sewer Basin	Construction	169,237	17,695	10%	14,181	137,362
P12463.495 CORAL SHORES SML WATERMAIN IMPROVEMENTS	Watermain	Construction	1,118,998	1,086,160	97%	32,838	-
P12485.495 FIVEASH WTP FILTERS REHABILITATION	Fiveash Upgrades	Construction	3,720,000	110,479	3%	2,927,799	681,722
P12529.496 EFFLUENT PMP STNBY GENERATOR & ADMIN BLD	GTL Updgrades	Project Initiation & Planning	14,000,000	1,044	0%	-	13,998,956
P12566.496 REDUNDANT SEWER FM NORTH TO GTL WWTP	Sewer Force main	Construction	25,225,638	25,198,392	100%	27,246	1
P12567.496 REDUNDANT SEWER FM SOUTH TO GTL WWTP	Sewer Force main	Construction	35,249,741	33,243,288	94%	497,102	1,509,352
P12569.495 NE 5TH STREET FORCE MAIN IMPROVEMENT	Watermain	Complete	1,928,910	1,928,910	100%	-	-
P12570.495 36TH STREET FORCE MAIN IMPROVEMENT	Watermain	Warranty	-	-	-	-	-
P12618.495 DOLPHIN ISLES B-14 SEWER BASIN REHAB	Sewer Basin	Project Initiation & Planning	427,555	9,181	2%	-	418,374
P12619.495 BAYVIEW DR 16" FM TO PUMP STATION B-14	Sewer Force main	Design	2,570,000	62,103	2%	115,005	2,392,892
P12620.495 LAS OLAS MARINA PUMP STATION D-31	Sewer Force main	Project Initiation & Planning	2,500,000	-	0%	2,500,000	-
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	Construction	309,875	-	0%	309,875	-
Total			\$ 204,438,503	\$ 134,413,149	66%	\$ 14,923,022	\$ 55,102,333

FY 2022 Water & Sewer Expansion Impact Fees

February 22, 2022

FY 2022 Revenue (Posted as of 2-22-2022)	Fiscal Month 1 (Oct. 2021)	Fiscal Month 2 (Nov. 2021)	Fiscal Month 3 (Dec. 2021)	Fiscal Month 4 (Jan. 2022)	Fiscal Month 5 (Feb. 2022)	Year-to-Date Total
FD452.01 WATER EXPANSION/ IMPACT FEE CONSTRUCTION	237,774	464,931	25,345	44,124	5,476	777,650
B251 W&S IMPACT FEES - RESIDENTIAL	23,724	9,885	5,931	17,793	3,954	61,287
B252 W&S IMPACT FEES - COMMERCIAL	214,050	455,046	19,414	26,331	1,522	716,363
FD453.01 SEWER EXPANSION/ IMPACT FEE CONSTRUCTION	227,070	444,001	24,204	44,174	5,230	744,679
B251 W&S IMPACT FEES - RESIDENTIAL	22,656	9,440	5,664	16,992	3,776	58,528
B252 W&S IMPACT FEES - COMMERCIAL	204,414	434,561	18,540	25,145	1,454	684,114
N963 IMPACT FEES - SEWER			-	2,037		2,037
Total	\$ 464,844	\$ 908,932	\$ 49,549	\$ 88,298	\$ 10,706	\$ 1,522,329

Agenda Item # 6 (iii)
Impact Fees - Usage

PENDING