

**VERO BEACH UTILITIES COMMISSION MEETING  
TUESDAY, JULY 14, 2020 - 9:00 A.M.  
CITY HALL, COUNCIL CHAMBERS, VERO BEACH, FLORIDA**

**A G E N D A**

- 1. CALL TO ORDER**
- 2. APPROVAL OF MINUTES**
  - A) March 10, 2020**
- 3. PUBLIC COMMENT**
- 4. NEW BUSINESS**
  - A) Senate Bill 712 and House Bill 1091 – Mr. Rob Bolton, Water and Sewer Director**
  - B) FY 20/21 Budget – Mr. Rob Bolton, Water and Sewer Director**
- 5. OLD BUSINESS**
- 6. CHAIRMAN’S MATTERS**
- 7. MEMBER’S MATTERS**
- 8. ADJOURNMENT**

This is a Public Meeting. Should any interested party seek to appeal any decision made by the Commission with respect to any matter considered at such meeting or hearing, he will need a record of the proceedings and that, for such purpose he may need to ensure that a record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. Anyone who needs a special accommodation for this meeting may contact the City’s Americans with Disabilities Act (ADA) Coordinator at 978-4920 at least 48 hours in advance of the meeting.

**VERO BEACH UTILITIES COMMISSION MINUTES**  
**TUESDAY, MARCH 10, 2020 - 9:00 A.M.**  
**CITY HALL, COUNCIL CHAMBERS, VERO BEACH, FLORIDA**

**PRESENT:** Chairman, Jane Burton; Vice Chairman and Indian River Shores Representative, Bob Auwaerter; Members: Judy Orcutt, Mark Mucher, and John Cotugno  
**Also Present:** City Attorney, John Turner; Water and Sewer Director, Rob Bolton and Deputy City Clerk, Sherri Philo

**Unexcused Absences:** Bob McCabe and John Sanders

**1. CALL TO ORDER**

Today's meeting was called to order at 9:02 a.m. and the Deputy City Clerk performed the roll call.

**2. APPROVAL OF MINUTES**

**A) February 11, 2020**

**Mr. Auwaerter made a motion to approve the minutes of the February 11, 2020 Utilities Commission meeting. Mr. Cotugno seconded the motion and it passed unanimously.**

**3. PUBLIC COMMENT**

None

**4. NEW BUSINESS**

**A) Presentation by Ocean Research and Conservation Association, Inc. (ORCA)**

Mrs. Missy Weiss, Director of Citizen Science and Education, gave a Power Point presentation (attached to the original minutes).

Mrs. Orcutt said at one point through a previous City Council, there were some living shoreline projects promoted as an idea of things the City of Vero Beach could do to improve the Lagoon and one (1) was a living shoreline around the Island that is close to the bridge where the idea was to build up the Island with oysters and so forth. She thought there were also outfalls from the barrier island into the Lagoon and the idea was to do a living shoreline around those outfalls. She asked has anyone looked at these types of concepts on the east side to see if it is feasible now that ORCA has living shorelines created on the west side.

Mrs. Weiss said that she can only speak for ORCA and knows that at this point they are ready and have the equipment to be able to create more living shorelines so they have the

capability and are very confident in their model of the living shoreline design. She said if the property becomes identifiable and permits are allocated ORCA will be more than happy to, if it suits both parties.

Mr. Auwaerter asked in terms of monitoring, has any thought been given about hitting a sampling of the relief canals to get a sense of trying to pinpoint more of where the pollution might be coming from.

Mrs. Weiss said that is where their pollution mapping comes into play.

Mr. Mark Gano (spelling may be incorrect) commended ORCA stating that he has been familiar with them for years and they have been doing some great work. He said that he is a Board member on an advocacy sea group and if he heard Mrs. Weiss correctly, she said that ORCA has been collecting pollution information for the past 13 years. He said what is important to his advocacy group is to have data that they can use to make their points. He said there has been some talk over the years of ORCA putting together some reports and he has not seen any. He asked are those reports in the works.

Mrs. Weise clarified that over the last 13 years ORCA has been perfecting the techniques on how their pollution maps work. She noted that all their data is public and can be requested at any point.

Mr. Mucher said they hear all the time where one scientist will say the major problem is septic tanks, another will say it is agricultural, another will say it is residential fertilizer, etc. He asked if they are getting any closer to what the real top contributors are and what can be done about it.

Mrs. Weise said it would be amazing if there was one (1) single answer to that question. That would be the “golden ticket” they are all looking for. However, there is not just one (1) answer. The problems are synergistic and working together and to identify those is a challenge and is complex because the Lagoon is complex. They felt that collectively they can identify that nutrient loading is a major source and is coming from a whole host of locations. Nutrient loading seems to be a major issue that they need to figure out the best practice of minimizing it.

Mr. Mucher said it is not only the locations. It is the source of those nutrients.

Mrs. Weise said there is not one (1) single answer. It is a cumulative effect that all of this is having and it starts with identifying the sources and it starts with us. She felt that they were doing a good job of pinpointing those locations. They know what works. They know that buffered shorelines work when you plant vegetation along the shoreline before the stormwater runs into the Lagoon has a significant impact in removing the nutrients before it enters the Lagoon. So there are things identified, such as the buffered shorelines, raingardens, not over fertilizing or using fertilizer on their lawns, not blowing lawn clippings into the Lagoon, etc. She said there are a lot of things they identified of ways they can minimize or stop nutrient loadings.

Mrs. Orcutt thought what Mr. Mucher was looking for was the “magic bullet;” such as is it mostly septic tanks, is it mostly stormwater, etc. She thought he was looking for now how do they keep the nutrients from entering the Lagoon, but how do they stop the nutrients from entering the system.

Mrs. Weiss said that she doesn’t have that “pie chart.” She said that the Indian River Lagoon Council is a great resource to start with in that they might answer some of the questions they are looking for.

Ms. Jeanne (last name not clear), of the Indian River Neighborhood Association and the Water Lagoon Committee IRA Lagoon Committee, said one (1) of her recent research projects is glyphosate in water and she knows Dr. Witter has done some testing in the canals and has found evidence of glyphosate in the water at low concentrations. She said there has been a lot of information that says glyphosate dissipates in water rather quickly, but she doesn’t know if they really have the data that shows that. She asked if ORCA could do some kind of testing along those lines.

Mrs. Weiss said glyphosate collection is part of a lot of their studies and is included in a lot of their comprehensive monitoring. She noted that they do not specifically pinpoint glyphosate sampling, it simply is part of their research. They do not have a simple study that solely addresses glyphosate.

Mr. Rob Bolton, Water and Sewer Director, reported that Senate Bill 712 passed on Friday. House Bill 1343 is the Companion Bill, but has not been voted on yet. If it moves forward, it will be known as the Clean Waterways Act.

Mrs. Orcutt asked Mr. Bolton if he would give the Commission a synopsis of the impact of the Bills at their next meeting in bullet form.

Mr. Bolton said that he would.

**5. OLD BUSINESS**

None

**6. CHAIRMAN’S MATTERS**

**A) Report on City Council Workshop Meeting / Stormwater and Wastewater**

Mrs. Burton reported that she attended the City Council Workshop meeting that was held a few weeks ago. She noted that Mrs. Orcutt was also present for the meeting. She asked Mrs. Orcutt to speak on the City Council discussion regarding stormwater.

Mrs. Orcutt said that she thinks overall that the idea of having a stormwater utility was discussed at the workshop. In general, she felt like it was positively discussed by the City Council as a possibility that this would come back before them and that they would have a review of previous City Council motions. She said when the Stormwater Utility Consultant presented their plan, both the Utilities Commission and the Finance Commission approved it and moved it on to the City Council so they do have a good starting point for looking at a stormwater utility. She reported that some public comments that were made at the Workshop emphasized that in order to qualify for grant applications you need a budget of matching funds. She said the grant applications are generally a 30% match and sometimes a 50% match so there needs to be a budget, which was a good thing about having a stormwater utility because there would be a dedicated source of funding. Another point that was made was that not only does a stormwater utility address stormwater issues from not for profit businesses, such as schools and churches that don't pay taxes into the system in that they would be paying their fair share. Also, there is a "carrot" approach to the way the utility was designed. An example is the Miracle Mile Plaza; because it is mostly concrete and everything runs off into the stormwater system, the owner would have an incentive to make stormwater corrections on their own property to reduce their stormwater rate. She said a place like Vero Beach where they are going to have redevelopment occur in the future, having that "carrot" system puts some of the burden of making stormwater improvements onto the property owners to build it right so that there is less stormwater leaving their property.

Mrs. Burton said what she found interesting at the Workshop meeting was when stormwater utilities was mentioned, all the surrounding municipalities have a stormwater utility. She felt this should be given more thought because it is something that will be coming in the forefront, especially if the Legislation is passed.

Mrs. Burton reported that the City Council also discussed moving the Wastewater Plant off the Lagoon. She asked Mr. Bolton to report to the Commission what discussions have occurred with Indian River County.

Mr. Bolton reported that towards the end of last year the City Council requested that he look at what the cost of partnering with the County would be for wastewater. He reported that he has met with the County Utilities Director several times and discussed how that could work. He said that he prepared a report and sent it to the County Utilities Director for his review. He reported that once the report is finalized it would go before the City Council. He felt this would be going before the City Council at their April 7<sup>th</sup> meeting.

Mr. Auwaerter asked why not give the Utilities Commission an opportunity to look at it.

Mr. Bolton said they could do that.

Mr. Auwaerter said they are supposed to be an advisory board to the City Council so why shouldn't the City Council have the Commission's input as well.

Mr. Bolton said the City Council asked him to do a report and send it back to them.

Mr. Auwaerter said this is one of the most important decisions that they will ever make in the City because they will be stuck with the rightness or wrongness of it for decades. He thinks the Utilities Commission should have the opportunity to review it and give their thoughts to the City Council before they hear a presentation from Mr. Bolton and potentially make a decision.

Mr. Mucher said that he watched the City Council meeting and his takeaway from it was that when Mr. Bolton told them it was going to cost more to have the County do it then it would to have the City do it themselves and because the City would have the latest greatest technology it would be a better product, it almost seemed like it was dead in the water at that point.

Mrs. Burton asked Mr. Bolton to discuss some of the inner-workings that would happen.

Mr. Bolton said the County does not have the capacity at any one (1) given Plant so the City would have to split their existing flows and send some to the County's Central Plant and send the majority of it to the County's West Plant. Eventually it all would go out to the West Plant because that Plant has more acreage, it has a wetland, better treatment, etc. He briefly went over the piping that would be needed. He noted that the mains are expensive at a cost of about \$30 to \$35 million. Then add on top of that the capacity that is required of the City to replenish, the City's portion of that is four (4) million gallons a day. So, you would have the City plus Indian River Shores and the outside County area, which equates to the one (1) million gallons that totals up to five (5) million gallons. So, if they look at building, four (4) million gallons out to the west facility they would be adding another \$35 million dollars. He said it is not just \$2 million dollars more. It is a considerable amount more to do that.

**Mr. Auwaerter made a motion that the Utilities Commission send a request to the City Council that they instruct the Utility Director to make a presentation to the Utilities Commission regarding his final recommendation about Wastewater Plant options and to give the Utilities Commission an opportunity in turn to make any recommendation they so choose to the City Council before the City Council makes a final decision on this subject. Mrs. Orcutt seconded the motion.**

Mr. Mark Gano felt that Mr. Auwaerter brought up a very good point. He said they know through ORCA's research that reuse water contributes a massive amount of nutrients to the Lagoon. In fact, Dr. Edith Widder of ORCA, told him that she felt that was probably one (1) of the largest contributing factors to nutrients into the Lagoon. He said to Mr. Auwaerter's point, once a decision is made, they are going to have to live with it for decades. He asked when they were discussing the County and the City options on how to deal with the wastewater situation, was one (1) option considered to use the Airport property to build a state of the art facility for both the County and the City and if that was done. He said it would solve the problem of having to pump all the reuse water. He said the other thing is that some of these new technology Plants produce water that is drinkable, which means that not only can the reuse water be used for irrigation, but could potentially

be used to add to the potable water supply so they don't have to continue to drain their aquifer, which is also a concern.

Mr. Bolton reported that as far as the County participating in the Wastewater Plant, they have no interest in capacity. He agreed the City is looking at constructing a state of the art Plant.

Mrs. Burton asked if there was any more discussion on the motion.

Mr. Mucher asked will this slow down the process.

Mr. Bolton said it depends on when they want to do it. He said they are looking at bringing this before the City Council on April 7<sup>th</sup> so if the Commission wants to hold a meeting prior to then to discuss it, that is fine.

Mr. Mucher said then the Commission would need to schedule a Special Call meeting.

Mr. Auwaerter said that he does not have a problem with that. He said if the Utilities Commission doesn't opine on this, then what is the purpose of the Commission. He said this is a 40-year decision they are making. He is fine with moving the meeting up so not to slow things down.

Mrs. Burton felt the Commission could entertain a change in the meeting schedule once they receive permission to move forward.

Mrs. Missy Weiss said that she received a telephone call from Dr. Widder because she wanted to clarify something that Mr. Gano said, which was not completely accurate. She said that ORCA's data shows reuse water coupled with fertilizer is potentially problematic, but they do not have the evidence to support the claim that Mr. Gano just made.

**The motion passed 5-0 with Mrs. Orcutt voting yes, Mr. Cotugno yes, Mr. Mucher yes, Mr. Auwaerter yes, and Mrs. Burton yes.**

Mr. Auwaerter asked how will this be communicated to the City Council so they are aware of the motion and recommendation.

Mr. John Turner, City Attorney, said it can be presented either through staff or through the City Manager's office.

Mr. Bolton said normally any of the items that are done by the Utilities Commission would be presented to the City Council in a letter format from the Chairman.

Mr. Auwaerter said that he has never seen one the entire time he has sat on the Utilities Commission.

The Deputy City Clerk said that she could provide the City Council with the motion that was made.

Mrs. Burton said that she would work with the City Clerk's office on scheduling their April meeting.

**7. MEMBER'S MATTERS**

None

**8. ADJOURNMENT**

Today's meeting adjourned at 10:22 a.m.

/sp



**DEPARTMENTAL CORRESPONDENCE**  
**WATER AND SEWER DEPARTMENT**

To: Utility Commission Members  
From: Robert J. Bolton, P.E., Director *RJB.*  
Date: June 18, 2020  
RE: July 14<sup>th</sup> Meeting

Please find attached two PowerPoint presentations on legislative bills that were passed by both the Florida Senate and House of Representatives. These bills have not yet reached the Governor's Desk for signature and the timing and fate of these bills are in question. Since the Governor has showed favoritism toward water bills, I believe that they will get signed. However, due to the current COVID-19 situation, funding and deadlines will most likely be adjusted.

I am preparing another PowerPoint presentation on how these two bills effect the Water and Sewer Department from a regulatory and financial position. This presentation will be reviewed at the July 14th Utility Commission Meeting. In addition, the City's FY 2020/2021 budget should be published for the City Council Workshop on July 7<sup>th</sup> or 8<sup>th</sup>. The Workshop is scheduled for July 15<sup>th</sup> and 16<sup>th</sup>. I will make the budget available to the Commission for discussion at the July 14<sup>th</sup> meeting upon its publication.

If you should have any questions, please contact me at 978-5228.

RB/  
Attachments

xc: Monte K. Falls, P.E., City Manager, w/attachments  
Cynthia D. Lawson, Finance Director

**SENATE BILL 712  
ENVIRONMENTAL RESOURCE MANAGEMENT  
CLEAN WATERWAYS ACT**

**March 6, 2020 Passed Senate: YEAS 39 - NAYS 0**

**March 11, 2020 Passed House: YEAS 118 - NAYS 0**

**Prepared By:**

**Robert J. Bolton, P.E., Director  
Water and Sewer Department**

# Thank You

On behalf of the City of Vero Beach, we express our gratitude to **Senator Debbie Mayfield** for introducing this critical Bill. She has successfully made environmental standards paramount in a very significant manner. **Senator Mayfield** has remarkably and victoriously devised the architecture to safeguard our waterways. This is the best legislation to protect the Lagoon since the 1990 Indian River Lagoon Act.



## Section 1

**“Clean Waterways Act”**

## **Section 2: Onsite Sewage Disposal Systems** **(OSDS)**

- Transfers OSDS from Department of Health (DOH) to Florida Department of Environmental Protection (FDEP);
- July 1, 2020 – DOH submits a report to Governor, Senate, and House describing permits issued, number of employees, program costs, and expenditures;
- December 31, 2020 – DOH and FDEP submit recommendations to Governor, Senate, and House for the transfer of all duties from DOH to FDEP;
- June 30, 2021 – DOH and FDEP will enter into an agreement for the continued role of county health departments in permitting, inspection, data management, and tracking of OSDS under the direction of FDEP;
- July 1, 2021 – OFFICIAL TRANSFER of all powers and duties from DOH to FDEP will occur for OSDS program.

## **Section 3: “Consolidated Water Management District Annual Report”**

- March 1, 2021 annually thereafter, a consolidated report will be submitted to the Office of Economic and Demographic Research;
- Consolidated report will have the following elements:
  - 1) District Water Management Plan;
  - 2) Department approved Minimum Flows and Levels priority list;
  - 3) 5 Year Capital Improvement Plan;
  - 4) Alternative Water Supply Annual Report;
  - 5) 5 Year Water Resources Development Program;
  - 6) Florida Forever Work Plan Annual Report;
  - 7) Mitigation Donation Annual Report;

## **Section 3 (Continued):**

- 8) Information on all projects related to water quality or water quantity as part of a 5 Year Work Program, including:
  - a) A list of all specific projects identified to implement a Basin Management Action Plan (BMAP) including septic to sewer projects or enhanced nutrient reducing OSDs;
  - b) Priority ranking for each listed project;
  - c) Estimated cost;
  - d) Estimated completion date;
  - e) Source and amount of financial assistance to be made available by FDEP, Water Management Districts or other entities;
  - f) Quantitative estimate of each listed projects' benefits to watershed, waterbody, etc.
  - g) A grade for each watershed, waterbody or water segment representing the level of impairment and violation of Minimum Flows and Levels.

## **Section 4: “Study of Bottled Water Companies”**

- A study will be conducted to determine statewide effects of the bottled water industry on springs:
  - Economic benefits to local communities;
  - Direct and indirect costs to local communities from withdrawals.
- Identify labeling and marketing regulations associated with the identification on the bottles;
- Conduct a cost benefit analysis of withdrawing, producing, marketing, selling, and consuming spring water as compared to other sources of bottled water;
- June 30, 2021 – Report to Governor, Senate, and House.

## **Section 5: “Inspection of Stormwater Systems”**

- January 1, 2021 – FDEP and Water Management Districts shall initiate rule making to update the Stormwater design and operation regulations:
- As part of the rulemaking FDEP will consider:
  - 1) Low impact design best management practices that increase the removal of nutrients;
  - 2) Measures of consistent application of the net improvement performance standard to ensure significant reductions of any pollutant loading to a waterbody.
- FDEP shall review and evaluate permits and inspection data for compliance and start an FDEP inspection program in addition to the self-certification process.

# **Sections 6 and 7: “Changes to F.S. 381.0065”**

- Use of Enhanced Nutrient–Reducing OSDS and drainfields:
  - Fast track approval process of American National Standards Institute 245 Systems by NSF International.
- Redefines “Department” as FDEP not DOH;
- Adds nutrient impacts as part of the review for groundwater contamination;
- New rulemaking for the OSDS program by FDEP required by July 1, 2022.

## **Section 8: “New OSDS Technical Advisory Committee (TAC)”**

- Section 381.00652 F.S. is created to form an OSDS TAC;
- TAC shall:
  - 1) Provide recommendations to increase the availability of enhanced nutrient-reducing OSDS and disposal systems;
  - 2) Recommend regulatory options to fast track enhanced nutrient-reducing OSDS and disposal systems;
  - 3) Provide recommendations for appropriate setback distances for OSDS from surface waters, ground waters, and wells.
- TAC shall be formed by August 1, 2021.

## **Section 9: “Existing DOH OSDS TAC Repealed”**

- Effective July 1, 2021, Section 381.0068 F.S. is repealed.

## **Section 10: “Infiltration and Inflow (I&I) and Sanitary Sewer Overflow (SSO) Reductions”**

- Initiate rulemaking to address I&I of sewer systems that lead to SSOs;
- Requires annual report by utilities regarding how much is being spent to reduce I&I and SSOs.

# **Section 11: “Water Quality Monitoring”**

- Establishes a real-time water quality monitoring program to assist in the restoration, preservation, and enhancement of impaired water bodies and coastal resources.
- Utilizes public-private partnerships to perform monitoring.

## **Section 12: “Potable Reuse” or “Toilet to Tap”**

- Initiates rulemaking based on the recommendations of the Potable Reuse Commissions 2020 report titled “Advancing Potable Reuse in Florida: Framework for the Implementation of Potable Reuse in Florida.”

## **Section 13: “Total Maximum Daily Load (TMDL) Revision”**

- Adds evaluation of wastewater treatment facilities and OSDS to determine if they contribute 20% of nutrients in the basin by either point source or non point source;
- If yes, requires Wastewater Treatment Plan adoption by July 1, 2025. Plan must:
  - 1) Provide for construction, expansion, or upgrades necessary to achieve the TMDL requirements applicable to the domestic wastewater treatment facility;
  - 2) Include permitted capacity (AADF);
  - 3) Nutrient load of the domestic wastewater treatment plant;
  - 4) Timeline of the dates by which the construction will begin;
  - 5) Date on when the improved facility will be operational;
  - 6) Cost of improvements;
  - 7) Identity of responsible parties.

## **Section 13 (Continued):**

- If yes, requires an OSDS remediation plan adoption by July 1, 2025, plan must:
  - 1) Include an inventory of OSDS;
  - 2) Identify OSDS that will connect to sewer or will be replaced with enhanced nutrient-reduction systems or disposal systems;
  - 3) Estimated costs of connections, upgrades, or replacements;
  - 4) Identify deadlines and interim milestones for the planning, design, and construction of projects.
- Agricultural inspection of agricultural procedures enrolled in BMAPs to ensure that such practice is being properly implemented;
- Priority areas for inspections:
  - 1) Lake Okeechobee;
  - 2) Indian River Lagoon;
  - 3) Caloosahatchee River and Estuary;
  - 4) Silver Springs.

## **Section 13 (Continued):**

- Adds agricultural element to BMAP process and establishes agricultural regional water quality improvement element:
  - 1) Establishes 20% threshold for non point source element for BMAP;
  - 2) Allows FDEP to determine if additional actions must be taken;
  - 3) Allows for land acquisition.
- Allows for funding of projects through the Local Funding Initiative Requests (LFIR) process;
- Prioritization will be by nutrient reductions in sub-basins.

## **Section 14: “BMAP reports by FDEP”**

- July 1, 2021, FDEP required to submit a report to the Governor, Senate, and House evaluating the costs of wastewater projects and OSDS remediation projects. Report must include:
  - 1) Projects to replace OSDS with enhanced nutrient-reducing systems;
  - 2) Projects to retrofit OSDS with enhanced nutrient-reducing disposal systems;
  - 3) Projects to construct, upgrade or expand wastewater treatment plants to fulfill requirements of BMAP;
  - 4) Projects to convert OSDS to sewer.
- July 1, 2021, FDEP required to submit a report to the Governor, Senate, and House on water quality monitoring that is being conducted. Report must include:
  - 1) Evaluation of the water quality monitoring prescribed for each basin;
  - 2) Identify gaps in water quality monitoring;
  - 3) Recommendation on water quality monitoring needs.

# **Section 15: “Wastewater Grant Program”**

- Subject to funding, FDEP may provide grants for the following projects:
  - 1) Projects to retrofit OSDS and disposal systems to enhance nutrient-reducing systems;
  - 2) Projects to construct, upgrade or expand facilities to provide advanced wastewater treatment (AWT) (5-5-3-1);
  - 3) Projects to convert OSDS to sewer.
- In allocating such funds, priority must be given to projects that subsidize connection of OSDS to sewer:
  - 1) First priority must be given to subsidize the connection;
  - 2) Second priority must be given to expansion of collection and transmission system;
  - 3) Third priority must be given to all other connections.
- FDEP will consider the following in providing grants:
  - 1) Estimated reduction in nutrient load;
  - 2) Project readiness;
  - 3) Cost effectiveness of project;

## **Section 15 (Continued)**

- 4) Availability of local matching funds;
- 5) Projected water savings or quantity improvements associated with project.
- Requires 50% match, waiver for areas designated as a rural area of opportunity under s. 288.0656;
- January 1, 2021, first annual report of projects funded.

# **Section 16: “Biosolids Management”**

- FDEP will adopt rules for biosolids management to enhance permitting, increase inspection rate, provide groundwater monitoring protocols, and nutrient management research.
- July 1, 2020, all new permits and permit renewals will require:
  - 1) Ensure a minimum unsaturated soil depth of 2 feet;
  - 2) Biosolids may not be applied to land with a seasonal high water table less than 6 inches from the soil surface;
  - 3) Applicant must be enrolled in the Department of Agricultural and Consumer Services best management practices program.
  - 4) Requires compliance by July 1, 2022;
  - 5) Will have a reopener clause to require compliance with the new FDEP rules within 2 years.
- Moratoriums put in place prior to November 1, 2019 may be extended.

## **Section 17: “Advance Water Treatment (AWT) required for discharges to Indian River Lagoon (IRL)”**

- Beginning July 1, 2025, all wastewater treatment facilities that discharge to the IRL must meet AWT standards of CBOD<sub>5</sub>-5, Total Suspended Solids (TSS)-5, TN-3, and TP-1;
- By December 31, 2020, FDEP shall submit a list to the Governor, Senate, and House of the facilities required to upgrade to AWT. List will include cost estimate, timeline of construction, and operational date;
- Requires a “power outage contingency plan” that mitigates the power outages for collection systems and new facilities;
- Requires a 5 year planning horizon (Facility Action Plan) for I&I. Utility must perform studies to identify leakage, develop pipe assessments, and repair and replacement action plans.
- Facility Action Plan must include the following information:
  - 1) Annual expenditure dedicated to I&I studies;
  - 2) Annual expenditure dedicated to Action Plan Document;
  - 3) Annual expenditure dedicated to pipe assessment;
  - 4) Annual expenditure dedicated to pipe repair and replacement;
  - 5) Annual expenditure dedicated to limit fats, oils and grease (FOG) and roots into the system.
- FDEP will adopt rules regarding the implementation of this Section;
- Compliance with this Section will reduce penalties that may be assessed due to SSOs.

## **Section 18: “10 Year Operating Permit”**

- Operating permits may be extended to 10 years from the current 5 years for utilities that are meeting the State goals listed in the Facility Action Plan.

# **Section 19: “Annual Expenditure Report”**

- Requires an annual expenditure report detailing facility revenues and expenditures in a manner prescribed by FDEP;
- Report must detail any deviations of expenditures from identified system needs related to I&I and SSOs;
- Requires annual SSO Report prepared by FDEP to be presented to Governor, Senate, and House.

## **Section 20: “Model Stormwater Management Plan”**

- Establishes the creation of a “Model Program” that contains ordinances that target nutrient reduction practices and use green infrastructure;
- These Ordinances could then be adopted by local governments.

## **Section 21: “Penalties”**

- Administrative penalties are increased from a \$10,000 maximum to \$50,000 maximum;
- Fine for failure to obtain a wastewater permit is increased from \$1,000 to \$2,000;
- SSO not involving surface or groundwater violation, penalty increased from \$2,000 to \$4,000;
- SSO that involves surface water or groundwater violation, penalty increased from \$5,000 to \$10,000.

## **Section 22: “Water Pollution Control Financial Assistance”**

- Adds projects for meeting AWT and I&I reduction to priority list;
- Adds projects that extend wastewater transmissions mains during road construction projects to priority list.

## **Section 23: “Small Community Sewer Construction Assistance”**

- Adds wastewater transmission facilities along roadway projects as eligible for grants.

## **Section 24: “Environmental Protection Act”**

- Prohibits local governments from granting any legal rights to a plant, animal, body of water, or any part of the natural environment that is not a person or political subdivision.

## **Section 25: “Declaration”**

- Declaration that the “Clean Waterways Act” fulfills an important State interest.

# Sections 26 through 53: “Edits”

- Replaces DOH with FDEP in various Florida Statutes;
- Renumbers Sections of the Florida Statutes.

**HOUSE BILL 1091  
ENVIRONMENTAL ACCOUNTABILITY**

**March 12, 2020: Passed Senate: YEAS 38 - NAYS 0**

**Passed House: YEAS 115 - NAYS 0**

**Prepared By:**

**Robert J. Bolton, P.E., Director  
Water and Sewer Department**

## **Section 2: Sanitary Sewer Lateral Inspection Program**

By July 1, 2022, each municipality is “encouraged” (???) to establish an evaluation and rehabilitation program for sanitary sewer laterals on residential and commercial properties within the municipality’s jurisdiction to identify and reduce extraneous flow from leaking sanitary sewer laterals. At a minimum, the program may do all of the following:

- a) Establish a system to identify defective, damaged or deteriorated sanitary sewer laterals on residential and commercial properties;
- b) Consider economical methods for a property owner to repair or replace defective, damaged, or deteriorated sanitary sewer laterals;
- c) Establish and maintain a publicly accessible database to store information concerning properties where a defective, damaged or deteriorated sanitary sewer lateral has been identified.

## **Section 3: Disclosure of known defects in Sanitary Sewer Laterals**

- Before executing a contract for sale, a seller of real property shall disclose to a prospective purchaser any defects in the property's sanitary sewer lateral which are known to the seller;
- Defines "sanitary sewer lateral" as the privately owned pipeline connecting property to the main sewer line.

# **Section 11: Discharge Contingency Plan for Vessels**

- Increase penalty to \$7,500 from \$5,000.

# **Section 12: Enforcement and Penalties**

- Increase penalties for violation of F.S. 376.011–376.21 (pollution of coastal waters) to \$75,000 from \$50,000 per violation per day.
  - 1) Discharges of gasoline or diesel over 5 gallons, \$750 up from \$500;
  - 2) Discharges of any pollutant other than gasoline or diesel, \$3,750 up from \$2,500;
  - 3) Discharges of gasoline or diesel below 5 gallons, \$75 up from \$50;
  - 4) Discharge of any pollutant other than gasoline or diesel and less than 5 gallons, \$150 up from \$100.

## **Section 16: Sewage Disposal Facilities**

- Any facilities shall provide secondary waste treatment and in addition thereto, advanced waste treatment as deemed necessary and ordered by the Department of Environmental Protection. Failure to conform shall be punishable by a penalty of \$750 per day up from \$500 per day.

## **Section 17: Enforcement; Procedures; Remedies**

- 3(a) Drinking water; violation involving Maximum Contaminant Level (MCL): \$3,000 (up from \$2,000) plus \$1,500 (up from \$1,000) if the violation involves a primary inorganic, organic or radiological MCL or it is a fecal coliform bacteria violation; plus \$1,500 (up from \$1,000) if the violation occurs at a community water system; and plus \$1,500 (up from \$1,000) if any MCL is exceeded by more than 100 percent. Failure to get a clearance letter before placing a drinking water system into service when the system would not have been eligible for clearance penalty is \$4,500 (up from \$3,000);
- (b) Failure to obtain a required wastewater permit, penalty is \$2,000 (up from \$1,000) matches SB 712 for all other wastewater violations;
- (c) Dredge and fill violation is \$1,500 (up from \$1,000) for unpermitted or unauthorized dredging and filling plus \$3,000 (up from \$2,000) if in an aquatic preserve, Outstanding Florida Water, conservation easement or a Class I or Class II surface water;

## **Section 17: Enforcement; Procedures; Remedies** **(Continued)**

- (d) Mangrove trimming or alteration (removal) penalty is \$7,500 (up from \$5,000) per violation;
- (e) Solid waste violation all increased by 50%;
- (f) Air emission violation all increase by 50%.



## *Protecting Florida's Clean Water Environment*

Ph: (850) 425-3428

[www.fweauc.org](http://www.fweauc.org)

June 17, 2020

The Honorable Ron DeSantis  
Governor, State of Florida  
400 South Monroe Street  
Tallahassee, FL 32399-0001

***Re: Support for Senate Bill 712***

Dear Governor DeSantis,

On behalf of Florida's domestic wastewater utility community, the Florida Water Environment Association (FWEA) Utility Council respectfully submits this letter in strong support of Senate Bill 712. This science-based legislation incorporates the transformative policy recommendations of your Blue Green Algae Task Force and is a direct result of the collaborative leadership of Florida Department of Environmental Protection Secretary, Noah Valenstein.

Senate Bill 712 is sweeping in scope, addressing septic tank regulation, agricultural best management practices, stormwater treatment design, and – critical to FWEA Utility Council members – domestic wastewater collection and treatment. As owners and operators of community domestic wastewater collection, treatment, discharge and reuse systems, protecting the environment and public health is our core business. We are proud of our nation-leading reuse of reclaimed water, substantial investments in nutrient discharge reductions, and track record in hurricane response. We also recognize, however, that some Florida utilities face environmental challenges, particularly with respect to sanitary sewer overflow prevention.

Natural disasters, flooding, and third-party actions make many sanitary sewer overflows unavoidable, however, collection system management and rehabilitation is key to proactively minimizing sanitary sewer overflows. This legislation will help ensure that utilities across the state make sound investments in their collection and treatment systems and meet the environmental performance goals that Floridians expect and that our utility members demand of themselves. Simply stated, Senate Bill 712 sets the bar for utility asset management, promotes storm resiliency, and will reduce sanitary sewer overflows. We support the achievement of those objectives.

In addition to addressing utility asset management programs, Senate Bill 712 also requires environmentally sustainable biosolids application practices. As you know, biosolids are a byproduct of domestic wastewater treatment. This material has high organic content and contains nutrients that plants need to grow. For years, communities, ranchers, and agricultural producers have beneficially reused biosolids as a fertilizer and soil amendment. Biosolids land application reduces the need for chemical fertilizers and increases crop production; however, over application can cause water quality impacts. This legislation includes preventative measures that will ensure biosolids are beneficially used in the right amounts and in the right locations, thereby protecting state waters from nutrient pollution.

The FWEA Utility Council supports your administration's efforts to strengthen Florida's environmental laws in a science-based manner and improve the quality of our state's waters. We view Senate Bill 712 as a major step towards achieving those goals. For these reasons, the FWEA Utility Council asks for your approval of Senate Bill 712.

Sincerely,

/s/ *Rick Hutton*

Rick Hutton, P.E.  
FWEA Utility Council President

CC: David Childs, FWEA Utility Council Legal Counsel

MEMORANDUM

TO: Utility Commission

FROM: Cynthia D. Lawson, Finance Director 

DATE: July 7, 2020

SUBJECT: FY 20-21 Proposed Water & Sewer Utility Budget

The City Council FY 20-21 budget workshop sessions are scheduled for July 15-16, 2020, to review the budget proposed by staff for the coming fiscal year. Attached for your information are the portions of the FY 20-21 budget workshop package which pertain to the Water & Sewer Utility fund, specifically:

- The cover memo (with the Water & Sewer fund section noted)
- Staffing comparison sheet (with the Water & Sewer fund section noted)
- The Water & Sewer Utility proposed FY 20-21 organizational chart
- The proposed FY 20-21 Operating and Five Year Capital Improvement budgets for the Water & Sewer Utility

The complete budget package, including all other City funds and backup, will be available on the City's website at: [www.covb.org](http://www.covb.org) attached to the July 15-16, 2020 City Council workshop agenda.

Cc: Rob Bolton, Water & Sewer Director

MEMORANDUM

TO: Mayor and Council

FROM: Monte K. Falls, City Manager   
Cynthia D. Lawson, Finance Director 

DATE: July 7, 2020

SUBJECT: **FISCAL YEAR 20-21 PROPOSED BUDGET**

Attached is a proposed FY 20-21 Budget for your review and consideration during our budget workshops scheduled for July 15-16, 2020. The following provides an overview of some of the major changes and impacts to the budget as proposed.

**General Fund Millage and Ad Valorem Tax Revenue**

The proposed General Fund budget is balanced at last year's adopted millage rate of 2.5000. The certified taxable property value provided by the Indian River County Property Appraiser is \$3,160,787,615 which represents a 3.86% increase in taxable property value from last year (See Attachment A – Draft DR 420 and 420-MMP). The combination of last year's millage rate and the increased property value generates ad valorem tax revenue that is \$ 245,702 higher than last year.

**State Revenue Sharing/Sales Tax Revenues**

The proposed General Fund budget is balanced at last year's dollar amounts for the various State revenue sharing line items, to include Local Option Gas Taxes, Communications Services Tax, Municipal Revenue Sharing and Local Government Half Cent Sales Tax. This is because municipal governments rely on State revenue sharing estimates provided by the State's Office of Economic and Demographic Research (EDR), which is a research arm of the Florida Legislature responsible for all official revenue estimates. As of the release of this budget workshop package, the EDR has not provided revenue estimates for FY 20-21.

Although there is likely to be a decrease in some or all of the City's state shared revenue sources due to the economic impact of COVID-19, the magnitude of this impact has yet to be determined. In total, the four revenue sources outlined above equal \$3.6 million or approximately 14% of the total General Fund revenues.

In order to balance the General Fund budget once these impacts are quantified, staff and Council could cut expenditures or increase other revenues. There is, however, a third option that staff recommends for Council consideration. In accordance with the City's adopted fund balance policy, the City has a reserve of approximately \$2.5 million designated as a 'budget stabilization reserve' which is 'intended as a buffer for unexpected budgetary impacts to ensure budget stability and provide service continuity'. Appropriating this reserve as needed to stabilize the City's budget for the coming fiscal year in the wake of the COVID-19 revenue downturn is an appropriate use of this reserve. This would enable the City to maintain stable service levels until next year, when the long-term impacts of the pandemic on the local and state economy may be better understood.

The EDR has indicated that revenue estimates will be available in July. If they are released prior to the workshop next week, then Council and staff can discuss how to incorporate them into a balanced budget

at that time. If they are released after the workshop, staff suggests an additional workshop in August 2020 to finalize the budget prior to the formal public hearings in September.

### **Staffing and Salaries and Personnel Costs**

The proposed budget represents an increase of 8 positions City-wide for FY 20-21, with total full time City staffing increasing to 326 full time positions. One (1) of these positions is in the General Fund and one (1) is in the Marina. The remaining six (6) positions have been added to the Water & Sewer Utility budget in anticipation of the requirements of Senate Bill 712 (SB 712), also known as the 'Clean Waterways Act'.

The City has begun negotiations with its unions (Teamsters and IUPA/PBA) for the FY 20-21 labor contract renewals. The Teamsters Union (Blue Collar and Team CT) has requested a 5% increase, the IUPA (Police Rank & File) has requested a 3% increase, and the PBA (Police Lieutenants) request has not yet been made.

In consideration of these requests, the proposed budget provides for a 3% salary increase for all employees City-wide. The proposed salary increase and other staffing changes resulted in a net increase of \$565K in operating salaries City-wide.

Attachment B provides a comparison, by department and fund, of the budgeted staff positions and total salaries approved for FY 19-20 versus those proposed for FY 20-21.

This budget also includes an increase of 3.9% in health insurance costs based on the renewal quote from the Florida League of Cities insurance trust.

Attachment C provides organizational charts by department and fund for the proposed FY 20-21 staffing.

### **Water Sewer Utility**

As noted above, the proposed Water & Sewer Utility budget has an increase of six (6) full time employees primarily in response to the additional requirements of SB 712 in the areas of wastewater collection and transmission along with the septic to sewer program. As directed by Council, this budget also provides sufficient funding to begin engineering and design for the relocation of the wastewater treatment plant. The Five Year Capital Improvement program includes the plant construction, as well as other potential capital projects and expenditures associated with SB 712 compliance. As a result, there is a decrease (\$748K) in operating reserves to support increased staffing and capital project transfers, but current Water & Sewer cash reserves are sufficient to absorb this decrease.

### **Airport Enterprise Fund**

As proposed, the FY 20-21 Airport budget includes an increase of \$135K in reserves, due primarily to a decrease in the transfer required to support FY 20-21 capital projects. The Airport reserve level continues to be closely monitored to ensure that it remains sufficient for both operating expenses and emergency infrastructure needs in order to keep the Airport financially sound and fiscally sustainable.

The Airport's Five Year Capital Improvement Program reflects the continued funding of FDOT grants at an 80% State share for those projects already in the approved FDOT work program. In the absence of legislative or administrative changes to return the Airport to general aviation status, this FDOT grant share will drop to 50% in the three to five year time frame.

### **Marina Enterprise Fund**

Based on City Council adoption of the Marina Master Plan, the proposed Marina Five Year Capital Improvement Program reflects the implementation of priority master plan projects supported by projected grant funding based on the 'low' grant estimate in the Master Plan. This leaves approximately \$9.5 million in City matching funds across the coming five years to be funded by either interfund loans or transfers to the Marina. Providing this total amount as interfund loans could result in an unsustainable debt service burden for the Marina once all projects are complete. Since each individual project will require City Council approval, the actual grant funds and the method for funding the City's match can be considered on a project by project basis as the renovation moves forward.

### **Downtown Economic Development Zone**

The 2020 DR420-TIF reflects an increase in property value of \$38,357,648 or 25.3% in the Historic Downtown Vero Beach Economic Development Zone (EDZ) from the base year of 2015 (Attachment A). As a result of this increase \$91,099 has been budgeted for deposit into the Downtown EDZ trust fund for FY 20-21 in General Fund non-departmental transfers.

### **Five Year Capital Improvement Program**

The General Government Capital and Construction Fund (Fund 304) includes funding for street paving, stormwater repairs, infrastructure projects, replacement of aging fleet vehicles, and numerous upgrades and repairs to recreation facilities and parks throughout the City. In order to balance this budget, some proposed capital projects were removed during internal budget reviews. A list of these unfunded projects, totaling \$5.7 million, is included in the Five Year Capital Improvement Program book.

The primary source of annual revenue for this fund is the Local Discretionary Sales Surtax or '1 Cent' Sales Tax revenue remitted to us by the State and transferred from Fund 311 'Infrastructure and Real Estate Improvements'. As with the General Fund revenue sharing discussed above, the EDR has not released an estimate for 1 Cent Sales Tax revenue for FY 20-21 and the budget is currently balanced using last year's revenue. Once the impact of COVID-19 on this revenue source is quantified, staff and Council can balance the budget by reducing capital expenditures. Alternatively, Council could allocate money for specific projects from the General Fund Capital and Infrastructure reserves.

### **Stormwater Utility**

Council directed staff to bring forward the costs and timeline for implementing a stormwater utility for discussion and consideration at this year's budget workshop. Attachment D to this memo provides background, technical information, costs, schedule and possible funding sources for implementation of a stormwater utility during FY 20-21 in order to create dedicated revenue source for stormwater expenditures beginning with FY 21-22.

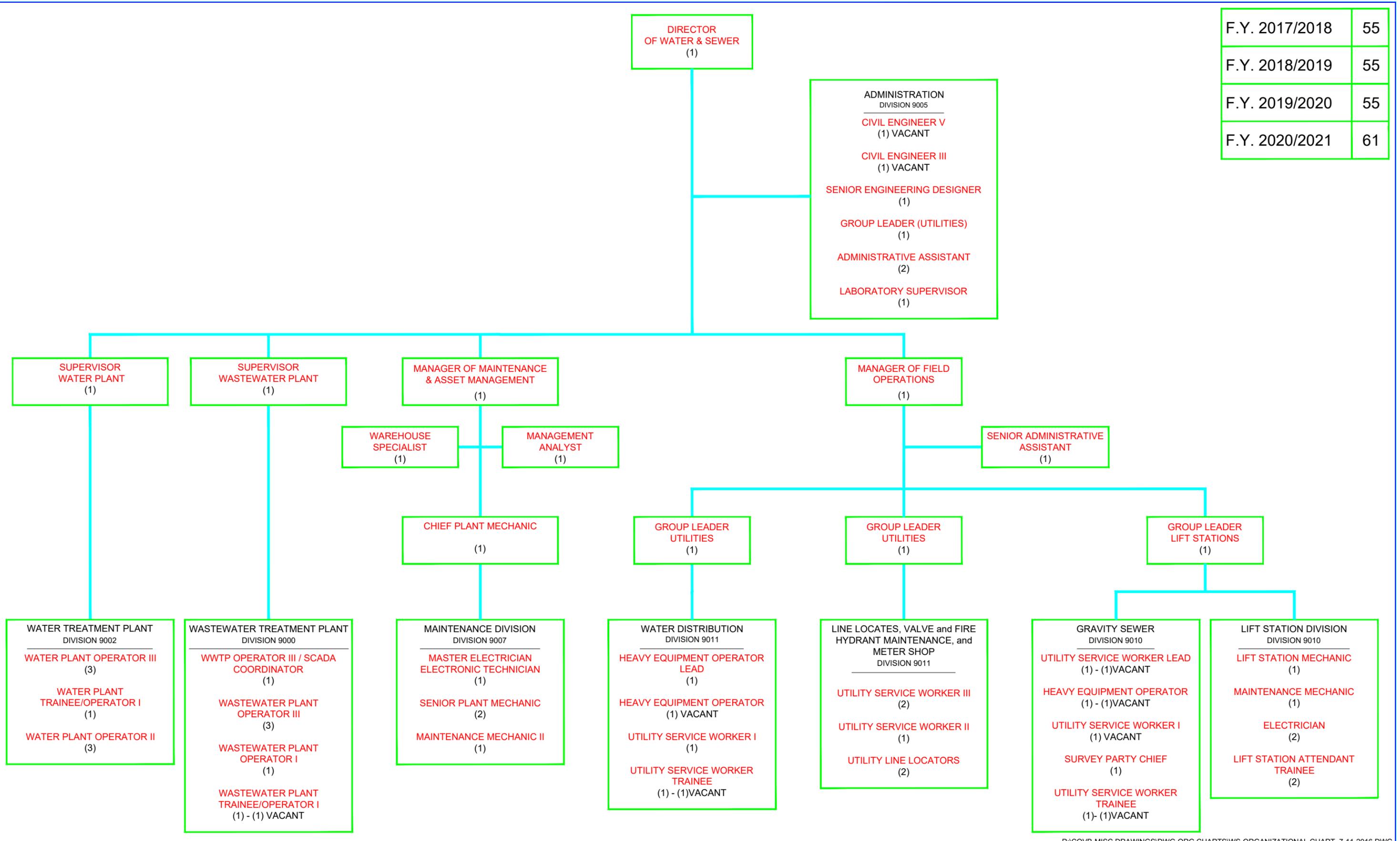
### **Summary**

In April 2020, City Council directed the City Manager to continue implementation of the five year budget transition in the City's General Fund using electric utility sale proceeds, while maintaining the City's current service levels. The proposed budget is balanced at the current millage rate of 2.500, but additional consideration will need to be given to funding any shortfalls in State revenue sharing once those impacts are quantified. If you have any questions or need additional information, please contact myself or the Finance Director.

**City of Vero Beach**  
**Full Time Staffing Levels - FY 19-20 vs FY 20-21**

Dept	Dept Description	Budgeted Positions for FY 19-20	Proposed Positions for FY 20-21	Total Staffing Increase (Reduction)	Budgeted Operating Salaries FY 19-20	Proposed Operating Salaries FY 20-21	Salary Budget Increase (Reduction)
<b>GENERAL FUND</b>							
0100	City Council	5	5	-	\$ 56,700	\$ 56,700	\$ -
0200	City Clerk	5	5	-	274,994	284,429	9,435
0300	City Manager	2	2	-	227,644	234,409	6,765
1100	City Attorney	3	3	-	263,660	279,404	15,744
1200	Human Resources/ Risk Mgmt	4	4	-	239,093	246,244	7,151
1300	Finance - Administration	10	10	-	519,200	535,474	16,274
1301	Finance - Information Technology	6	7	1	350,798	380,088	29,290
1302	Finance - Purchasing	5	5	-	318,080	327,383	9,303
1700	Planning & Development	4	4	-	289,484	298,043	8,559
1801	Police - Sworn Officers	57	57	-	3,573,036	3,658,401	85,365
1801	Police - Civilian	21	21	-	907,983	940,986	33,003
2001	Public Works - Engineering & Survey	4	4	-	277,841	287,358	9,517
2005	Public Works - Streets, Strmwtr, Traffic	17	17	-	793,356	826,243	32,887
2006	Public Works - GIS	2	2	-	136,816	140,228	3,412
3304	Public Works - Grounds Maintenance	29	29	-	1,130,192	1,158,946	28,754
3305	Public Works - Admin	4	4	-	304,353	321,288	16,935
3306	Public Works - Fleet Mgmt	7	7	-	370,500	371,551	1,051
3309	Public Works - Facilities Mgmt	7	7	-	390,575	402,102	11,527
4501	Recreation - Leisure Square	1.7	1.7	-	89,571	92,036	2,465
4502	Recreation - Community Center	0.8	0.8	-	34,750	35,059	309
4503	Recreation - Riverside Tennis Complex	1.0	1.0	-	52,082	53,615	1,533
4504	Recreation - Parks, Playgrounds, Rental	1.2	1.2	-	51,908	52,419	511
4505	Recreation - Rec Programs & Comm Evnt	2.6	2.6	-	111,977	115,176	3,199
4506	Recreation - Beach Lifeguards	8.7	8.7	-	352,551	363,073	10,522
4507	Recreation - Administration	3.0	3.0	-	228,350	194,032	(34,318)
<b>Total General Fund</b>		<b>211</b>	<b>212</b>	<b>1</b>	<b>11,345,494</b>	<b>11,654,687</b>	<b>309,193</b>
<b>WATER &amp; SEWER FUND</b>							
9000	Wastewater Treatment	7	8	1	444,570	487,291	42,721
9002	Water Treatment	8	8	-	476,206	489,725	13,519
9005	Water Sewer Admin	7	8	1	497,592	544,171	46,579
9007	Facility Maintenance & Asset Management	8	8	-	543,107	561,754	18,647
9010	Wastewater Collection	12	16	4	617,977	718,046	100,069
9011	Water Distribution	13	13	-	604,848	615,763	10,915
9012	Finance - Customer Service	12	12	-	521,170	536,335	15,165
<b>Total Water and Sewer Fund</b>		<b>67</b>	<b>73</b>	<b>6</b>	<b>3,705,470</b>	<b>3,953,085</b>	<b>247,615</b>
4000	<b>Airport</b>	12	12	-	646,055	593,188	(52,867)
4100	<b>Marina</b>	4	5	1	186,748	224,201	37,453
3308	<b>Solid Waste</b>	23	23	-	900,771	922,895	22,124
3307	<b>Cemetery</b>	1	1	-	45,826	47,133	1,307
<b>Total City-Wide</b>		<b>318</b>	<b>326</b>	<b>8</b>	<b>\$ 16,830,364</b>	<b>\$ 17,395,189</b>	<b>\$ 564,825</b>

F.Y. 2017/2018	55
F.Y. 2018/2019	55
F.Y. 2019/2020	55
F.Y. 2020/2021	61



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# **WATER & SEWER FUND**

# WATER AND SEWER FUND

<b>OPERATING BUDGET</b>	<b>Budget 2020-2021</b>	<b>Budget 2019-2020</b>
<b>Operating Revenue</b>	\$ 17,392,500	\$ 16,910,460
<b>Operating Expenses:</b>		
Wastewater Treatment	1,646,543	1,598,341
Water Treatment	3,169,892	2,904,910
Wastewater Reuse	337,500	309,500
Water Sewer Administration	1,016,160	920,847
Facility Maintenance & Asset	974,835	936,079
Wastewater Collection	1,722,412	1,507,157
Water Distribution	1,459,238	1,458,105
Customer Service	980,055	954,946
Non-Departmental	2,089,414	2,098,915
Total Operating Expenses	13,396,049	12,688,800
<b>Net Operating Income</b>	3,996,451	4,221,660
<b>Debt Service</b>		
Transfer for Series 2013 Refunding	1,128,056	1,131,410
Transfer for State Revolving Fund Loans	791,542	791,542
Total Debt Service Transfers	1,919,598	1,922,952
<b>Surplus Revenue</b>	\$ 2,076,853	\$ 2,298,708
<b>Surplus Revenue Distribution</b>		
Transfer to General Fund	\$ 1,025,000	\$ 1,005,000
Transfer to Capital Improvements Program	1,800,000	1,700,000
Balance Available for Capital Additions	(748,147)	(406,292)
<b>Total Distribution of Surplus</b>	\$ 2,076,853	\$ 2,298,708

## WATER AND SEWER FUND

### REVENUE

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
421.0000.331.090530	HURRICANE MATTHEW DR-4283 FEMA REIMB	0	0	0	n/a	0	2,515
421.0000.331.090540	HURRICANE IRMA DR-4337 FEMA REIMB	0	0	0	n/a	0	88,947
421.0000.334.090530	HURRICANE MATTHEW DR-4283 STATE REIMB	0	0	0	n/a	0	419
421.0000.343.060100	METERED WATER SALES	9,100,000	8,850,000	250,000	2.8%	8,850,000	8,867,294
421.0000.343.060200	NEW WATER CONNECTIONS	10,000	10,000	0	0.0%	10,000	8,430
421.0000.343.060400	SEWER SERVICE CHARGES	6,800,000	6,750,000	50,000	0.7%	6,750,000	6,527,663
421.0000.343.060600	FIRE HYDRANT RENTAL	142,000	142,000	0	0.0%	142,000	141,450
421.0000.343.060700	TURN ON FEES	80,000	0	80,000	n/a	0	80,969
421.0000.343.060800	PENALTY INCOME	25,000	0	25,000	n/a	0	25,573
421.0000.343.061500	IRRIGATION REUSE OTHERS	650,000	650,000	0	0.0%	650,000	610,989
421.0000.343.500000	W/S EQUALIZATION CHARGE	370,000	355,000	15,000	4.2%	355,000	369,398
421.0000.349.000100	BILLING SERVICE CHARGES	0	0	0	n/a	0	77,612
421.0000.361.010200	INTEREST ON INVESTMENTS	210,000	100,000	110,000	110.0%	100,000	486,270
421.0000.364.000200	GAIN OR LOSS ON DISPOSAL OF ASSETS	0	0	0	n/a	0	-407,837
421.0000.365.090100	SALE SURPLUS MATLS/SCRAP	500	500	0	0.0%	500	1,956
421.0000.369.090100	MISCELLANEOUS REVENUES	5,000	5,000	0	0.0%	5,000	20,774
421.0000.381.000100	XFR IN-CAPITAL ASSETS FROM ANOTHER	0	0	0	n/a	0	138,305
421.0000.382.000650	CONTR FROM HLTH INS FND	0	47,960	-47,960	-100.0%	47,960	71,812
421.0000.389.000200	CASH CARRYOVER	748,147	406,292	341,855	84.1%	406,292	0
421.0000.389.700000	CAPITAL CONTRIBUTION - ASSET TRANSFER	0	0	0	n/a	0	4,158
<b>Total</b>		<b>18,140,647</b>	<b>17,316,752</b>	<b>823,895</b>	<b>4.8%</b>	<b>17,316,752</b>	<b>17,116,697</b>

## WATER AND SEWER FUND

### BUDGET BY DEPARTMENT

Department	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
			Change \$	Change %		
Wastewater Treatment	1,646,543	1,598,341	48,202	3.0%	1,598,341	1,521,965
Water Treatment	3,169,892	2,904,910	264,982	9.1%	2,904,910	2,702,730
Wastewater Reuse	337,500	309,500	28,000	9.0%	309,500	206,628
Water Sewer Admin	1,016,160	920,847	95,313	10.4%	920,847	658,878
Facility Maintenance & Asset Mgt	974,835	936,079	38,756	4.1%	936,079	814,839
Wastewater Collection	1,722,412	1,507,157	215,255	14.3%	1,507,157	1,244,900
Water Distribution	1,459,238	1,458,105	1,133	0.1%	1,458,105	1,293,269
Customer Service	980,055	954,946	25,109	2.6%	954,946	821,612
Non-Departmental	6,834,012	6,726,867	107,145	1.6%	6,726,867	4,928,161
<b>Water &amp; Sewer Fund</b>	<b>18,140,647</b>	<b>17,316,752</b>	<b>823,895</b>	<b>4.8%</b>	<b>17,316,752</b>	<b>14,192,982</b>

## WATER AND SEWER FUND

### Expenditures by Object

Account Number / Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
			Change \$	Change %		
112001 - OPERATING SALARIES	3,953,085	3,705,470	247,615	6.7%	3,705,470	3,495,666
113002 - PART TIME SALARIES	20,000	20,000	0	0.0%	20,000	4,655
114001 - OVERTIME SALARIES	238,000	231,000	7,000	3.0%	231,000	160,754
114003 - OVERTIME - DISASTER	0	0	0	n/a	0	6,130
115009 - MEAL ALLOWANCE	5,600	5,700	-100	-1.8%	5,700	2,066
121001 - SOCIAL SECURITY	322,576	303,106	19,470	6.4%	303,106	255,756
122001 - PENSION FUND CONTRIBUTION	1,124,715	1,048,723	75,992	7.2%	1,048,723	702,281
123001 - GROUP LIFE INSURANCE	14,200	12,400	1,800	14.5%	12,400	13,918
123002 - HOSPITALIZATION INSURANCE	907,440	847,088	60,352	7.1%	847,088	767,451
123004 - RETIREMENT PREM ASSIST	161,792	169,288	-7,496	-4.4%	169,288	155,223
123005 - WORKERS COMPENSATION	118,400	83,000	35,400	42.7%	83,000	86,703
123006 - CONTRIBUTION TO OPEB TRUST	111,787	122,357	-10,570	-8.6%	122,357	147,605
125001 - STATE UNEMPLOYMENT COMP	0	0	0	n/a	0	3,300
126001 - COMPENSATED ABSENCES VAC	0	0	0	n/a	0	79,270
126002 - COMPENSATED ABSENCES SICK	0	0	0	n/a	0	52,614
331001 - PROFESSIONAL SERVICES	358,000	247,000	111,000	44.9%	247,000	159,363
331012 - PAYING AGENTS FEE	0	1,250	-1,250	-100.0%	1,250	0
331015 - GIS EXPENSE	20,000	25,000	-5,000	-20.0%	25,000	30,076
331020 - LICENSES & TESTING	145,000	150,000	-5,000	-3.3%	150,000	106,411
332001 - AUDIT	19,000	19,000	0	0.0%	19,000	18,606
334003 - JANITORIAL SERVICES	21,400	20,400	1,000	4.9%	20,400	17,849
334007 - OTHER CONTRACTUAL SERVICES	151,000	151,000	0	0.0%	151,000	113,856
340001 - MILEAGE ALLOWANCE	5,500	8,000	-2,500	-31.3%	8,000	5,235
341001 - TELEPHONE	31,000	31,000	0	0.0%	31,000	20,727
341002 - TELECOMMUNICATIONS SVCS	9,800	9,800	0	0.0%	9,800	6,675
342001 - POSTAGE	77,650	77,650	0	0.0%	77,650	115,218
343001 - UTILITIES	1,267,000	1,163,500	103,500	8.9%	1,163,500	1,275,883
344001 - MACH & EQUIP RENT	52,000	52,000	0	0.0%	52,000	53,786
344003 - AIRPORT LAND RENT	296,500	297,550	-1,050	-0.4%	297,550	290,328
344003 - LAND RENT AIRPORT	30,000	30,000	0	0.0%	30,000	20,337
344004 - ENVIRONMENTAL CLEANUP REC	-115,000	-130,000	15,000	-11.5%	-130,000	-107,609
344005 - ENVIRONMENTAL CLEANUP EXP	10,000	70,000	-60,000	-85.7%	70,000	4,349
345001 - GENERAL INSURANCE	237,539	271,463	-33,924	-12.5%	271,463	288,351
345003 - G/L AND AUTO-LOSSES/DEDUCTIBLES	0	0	0	n/a	0	1,220
346001 - EQUIPMENT MAINTENANCE	420,700	420,700	0	0.0%	420,700	418,678
346002 - VEHICLE MAINTENANCE	120,421	120,709	-288	-0.2%	120,709	104,772
346003 - BUILDING MAINTENANCE	2,000	2,000	0	0.0%	2,000	800

## WATER AND SEWER FUND

### Expenditures by Object

Account Number / Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
			Change \$	Change %		
346017 - OFFICE EQUIP MAINT	1,500	1,500	0	0.0%	1,500	591
346018 - RADIO MAINT	500	500	0	0.0%	500	164
346029 - STRUCTURE & IMPROV MAINT	81,500	96,500	-15,000	-15.5%	96,500	22,636
346030 - WELL MAINTENANCE	80,000	80,000	0	0.0%	80,000	28,234
346031 - SUPPLY MAINS MAINT	3,000	3,000	0	0.0%	3,000	0
346035 - ELEC CONTROL SYS MAINT	40,000	40,000	0	0.0%	40,000	44,491
346042 - GRAVITY MAINS & LATRLS MAINT	30,000	30,000	0	0.0%	30,000	23,992
346042 - T & D MAINS MAINT	90,000	90,000	0	0.0%	90,000	74,978
346043 - SERVICES MAINT	15,000	15,000	0	0.0%	15,000	2,343
346044 - METERS MAINT	9,500	9,500	0	0.0%	9,500	824
346046 - HYDRANTS MAINT	12,000	12,000	0	0.0%	12,000	1,240
346047 - CUST PREMISES MAINT	10,000	10,000	0	0.0%	10,000	1,795
346047 - CUSTOMER PREMISES MAINT	8,500	8,500	0	0.0%	8,500	5,488
346048 - GROUND RESV MAINT	82,000	82,000	0	0.0%	82,000	21,675
346049 - FORCE MAINS & APPURT MAINT	15,000	10,000	5,000	50.0%	10,000	11,941
346049 - MAINS & APPURT MAINT	5,000	5,000	0	0.0%	5,000	1,773
346058 - GROUND MAINT.	11,235	10,901	334	3.1%	10,901	10,409
346058 - GROUNDS MAINT	21,948	21,412	536	2.5%	21,412	18,604
346059 - ODOR CONTROL SYS MAINT	10,000	10,000	0	0.0%	10,000	115
346200 - SOFTWARE & MAINTENANCE	216,500	207,000	9,500	4.6%	207,000	175,220
347001 - PRINTING & BINDING	32,000	32,000	0	0.0%	32,000	48,258
349003 - SCHOOLS & MEETINGS	28,000	28,000	0	0.0%	28,000	15,152
349005 - FIRST AID	1,000	1,000	0	0.0%	1,000	516
349015 - CREDIT BUREAU CHARGES	28,000	28,000	0	0.0%	28,000	20,243
349016 - GF ADMIN CHARGE	1,256,596	1,253,257	3,339	0.3%	1,253,257	1,045,744
349019 - METER DEPOSIT INTEREST	7,500	0	7,500	n/a	0	3,666
349023 - BAD DEBT	15,000	15,000	0	0.0%	15,000	46,116
349028 - LANDFILL FEES	77,000	77,000	0	0.0%	77,000	87,185
349300 - HURRICANE DORIAN EXPENSES	0	0	0	n/a	0	6,007
351001 - OFFICE SUPPLIES	15,000	15,000	0	0.0%	15,000	9,995
351002 - LOGS/CHARTS/FORMS/MAPS	1,000	1,000	0	0.0%	1,000	373
351003 - OFFICE FURN & EQUIP	28,000	28,000	0	0.0%	28,000	4,136
352001 - GAS & OIL	92,047	100,480	-8,433	-8.4%	100,480	79,979
352001 - GAS AND OIL	15,000	15,000	0	0.0%	15,000	4,390
352005 - CONSUMABLE TOOLS	16,500	16,500	0	0.0%	16,500	15,193
352006 - JANITORIAL SUPPLIES	10,350	10,350	0	0.0%	10,350	2,452
352008 - UNIFORMS & CLOTHING	43,670	40,170	3,500	8.7%	40,170	30,718

## WATER AND SEWER FUND

### Expenditures by Object

Account Number / Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
			Change \$	Change %		
352013 - CHEMICAL & LAB SUPPLIES	26,000	26,000	0	0.0%	26,000	20,180
352013 - CHEMICAL AND LAB SUPPLIES	7,000	7,000	0	0.0%	7,000	4,391
352014 - OTHER COMMODITIES	23,000	23,000	0	0.0%	23,000	7,616
352027 - TOOLS & INSTRUMENTS	500	500	0	0.0%	500	141
352019 - CHEMICAL & WATER TR SUP	780,000	660,000	120,000	18.2%	660,000	836,458
352019 - CHEMICAL & WATER TR SUPPLIES	250	250	0	0.0%	250	0
352023 - HORTICULTURE SUPPLIES	1,000	500	500	100.0%	500	170
353003 - REPLACEMENT PAVEMENT	35,000	35,000	0	0.0%	35,000	51,160
354001 - SUBSCRIPTIONS/MEMBERSHIPS	13,300	13,300	0	0.0%	13,300	7,574
355002 - MISCELLANEOUS	2,000	2,000	0	0.0%	2,000	0
355006 - INVENTORY VARIANCE	0	0	0	n/a	0	-10
355007 - GRACE	80,000	75,000	5,000	6.7%	75,000	96,751
355011 - RECORDING FEES	5,000	5,000	0	0.0%	5,000	3,495
359900 - INTERFUND SERVICES	0	0	0	n/a	0	-22,500
359905 - INTERFUND SERVICES - ELECTRIC	0	0	0	n/a	0	-390,546
359910 - INTERFUND SERVICES - SOLID WASTE	-168,952	-168,474	-478	0.3%	-168,474	-134,844
6_____ - CAPITAL Various, See Detail	45,000	20,000	25,000	125.0%	20,000	10,586
991004 - TRANSFER TO GENERAL FUND	1,025,000	1,005,000	20,000	2.0%	1,005,000	996,000
991007 - TRANS TO W/S R&R FUND	1,800,000	1,700,000	100,000	5.9%	1,700,000	1,700,000
991058 - DEBT SVC TRF WW 310201 ORIG	651,124	651,124	0	0.0%	651,124	169,469
991059 - DEBT SVC TRF DW 310220	20,542	20,542	0	0.0%	20,542	5,759
991060 - DEBT SVC TRF WW 310201 AM#2	107,876	107,876	0	0.0%	107,876	24,722
991061 - DEBT SVC TRF DW 310221	12,000	12,000	0	0.0%	12,000	2,965
991062 - DEBT SVC TRF SERIES 2013	1,128,056	1,131,410	-3,354	-0.3%	1,131,410	58,506
<b>Total for Water &amp; Sewer Fund Expenditures</b>	<b>18,140,647</b>	<b>17,316,752</b>	<b>823,895</b>	<b>4.8%</b>	<b>17,316,752</b>	<b>14,192,982</b>

# Wastewater Treatment

## Mission

The mission of the Wastewater Treatment division is to promote public health, protect the environment and conserve water resources by purifying and reclaiming wastewater generated by the residents and businesses of our service territory.

Responsibilities of this division include complying with permit requirements of the Florida Department of Environmental Protection and the U.S. Environmental Protection Agency.

## Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	1	1	0
Full Time Bargaining	7	6	1
Total	8	7	1
Part Time	0	0	0
Total	8	7	1

## Routine Goals

Continue to meet Federal and State permit requirements.

## Major Goal

Start Engineering Design for the construction of the New Water Reclamation Facility.

## WATER AND SEWER FUND

### WASTEWATER TREATMENT

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
Personnel Costs							
421.9000.536.112001	OPERATING SALARIES	487,291	444,570	42,721	9.6%	444,570	442,400
421.9000.536.114001	OVERTIME SALARIES	50,000	50,000	0	0.0%	50,000	26,413
421.9000.536.115009	MEAL ALLOWANCE	800	800	0	0.0%	800	479
421.9000.536.121001	SOCIAL SECURITY	41,164	37,896	3,268	8.6%	37,896	32,732
421.9000.536.122001	CONTRIB TO PENSION FUND	180,040	167,999	12,041	7.2%	167,999	133,068
421.9000.536.123001	GROUP LIFE INSURANCE	1,800	1,600	200	12.5%	1,600	1,760
421.9000.536.123002	HOSPITALIZATION INSURANCE	103,036	87,189	15,847	18.2%	87,189	85,206
421.9000.536.126001	COMPENSATED ABSENCES VAC	0	0	0	n/a	0	996
421.9000.536.126002	COMPENSATED ABSENCES SICK	0	0	0	n/a	0	5,101
Total Personnel Costs		864,131	790,054	74,077	9.4%	790,054	728,155
Operating Expenses							
421.9000.536.331001	PROFESSIONAL SERVICES	20,000	16,000	4,000	25.0%	16,000	4,999
421.9000.536.331020	LICENSES & TESTING	55,000	60,000	-5,000	-8.3%	60,000	47,934
421.9000.536.334003	JANITORIAL SERVICES	5,000	5,000	0	0.0%	5,000	3,313
421.9000.536.334007	OTHER CONTRACTUAL SERVICES	45,000	45,000	0	0.0%	45,000	38,455
421.9000.536.341001	TELEPHONE	5,000	5,000	0	0.0%	5,000	2,736
421.9000.536.342001	POSTAGE	500	500	0	0.0%	500	218
421.9000.536.343001	UTILITIES	270,000	267,500	2,500	0.9%	267,500	342,151
421.9000.536.344001	MACH & EQUIP RENT	18,000	18,000	0	0.0%	18,000	27,954
421.9000.536.346001	EQUIPMENT MAINTENANCE	75,000	110,000	-35,000	-31.8%	110,000	83,499
421.9000.536.346002	VEHICLE MAINTENANCE	3,362	3,237	125	3.9%	3,237	3,188
421.9000.536.346029	STRUCTURE & IMPROV MAINT	20,000	35,000	-15,000	-42.9%	35,000	4,260
421.9000.536.346058	GROUNDS MAINT	4,000	4,000	0	0.0%	4,000	1,976
421.9000.536.346059	ODOR CONTROL SYS MAINT	5,000	5,000	0	0.0%	5,000	0
421.9000.536.346200	SOFTWARE & MAINTENANCE	9,000	9,000	0	0.0%	9,000	4,505
421.9000.536.349003	SCHOOLS & MEETINGS	3,000	3,000	0	0.0%	3,000	1,965
421.9000.536.349005	FIRST AID	150	150	0	0.0%	150	0
421.9000.536.349028	LANDFILL FEES	70,000	70,000	0	0.0%	70,000	83,284
421.9000.536.351001	OFFICE SUPPLIES	1,500	1,500	0	0.0%	1,500	517
421.9000.536.351003	OFFICE FURN & EQUIP	4,000	4,000	0	0.0%	4,000	0
421.9000.536.352001	GAS AND OIL	15,000	15,000	0	0.0%	15,000	4,390
421.9000.536.352005	CONSUMABLE TOOLS	2,500	2,500	0	0.0%	2,500	2,321
421.9000.536.352006	JANITORIAL SUPPLIES	3,500	3,500	0	0.0%	3,500	313
421.9000.536.352008	UNIFORMS & CLOTHING	6,500	6,500	0	0.0%	6,500	4,606
421.9000.536.352013	CHEMICAL AND LAB SUPPLIES	7,000	7,000	0	0.0%	7,000	4,391

## WATER AND SEWER FUND

### WASTEWATER TREATMENT

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
421.9000.536.352014	OTHER COMMODITIES	2,500	2,500	0	0.0%	2,500	483
421.9000.536.352019	CHEMICAL & WATER TR SUP	125,000	105,000	20,000	19.0%	105,000	124,385
421.9000.536.352023	HORTICULTURAL SUPPLIES	500	0	500	n/a	0	60
421.9000.536.354001	SUBSCRIPTIONS/MEMBERSHIPS	1,400	1,400	0	0.0%	1,400	353
Total Operating Expenses		<b>777,412</b>	805,287	-27,875	-3.5%	805,287	792,256
Capital Outlay							
421.9000.536.6_____	Various, See Detail	5,000	3,000	2,000	66.7%	3,000	1,554
Total Capital Outlay		<b>5,000</b>	3,000	2,000	66.7%	3,000	1,554
<b>Total</b>		<b>1,646,543</b>	<b>1,598,341</b>	<b>48,202</b>	<b>3.0%</b>	<b>1,598,341</b>	<b>1,521,965</b>

## WATER AND SEWER FUND

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### CAPITAL REQUEST DETAIL

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Department	Account Number	Account Name	Description	2020-2021 Budget
Wastewater Treatment				
	421.9000.536.640100	MISC. TOOLS & EQUIPMENT	Purchases of hand tools not considered consumable that are used for the daily operation and maintenance of each Department.	5,000
<b>Total for Wastewater Treatment</b>				<b>5,000</b>

# Water Treatment

## Mission

The mission of the Water Treatment Division is to continuously produce an adequate supply of potable water that protects and promotes public health and meets State and Federal Standards.

## Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	1	1	0
Full Time Bargaining	7	7	0
Total	8	8	0
Part Time	0	0	0
Total	8	8	0

## Routine Goals

Continue to meet State Consumptive Use Permit requirements.

## Major Goals

Water sources have changed from a 2/3 to 1/3 blend of Lime Softened water to RO Plant water to a 50/50 blend. Plant and Building maintenance is scheduled for this year with a complete paint job at finish. An aggressive well rehabilitation program is scheduled for this year to restore surficial raw water production rates. Accelerators 3 and 4 are scheduled for rehabilitation.

## WATER AND SEWER FUND

### WATER TREATMENT

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
Personnel Costs							
421.9002.536.112001	OPERATING SALARIES	489,725	476,206	13,519	2.8%	476,206	451,288
421.9002.536.114001	OVERTIME SALARIES	50,000	50,000	0	0.0%	50,000	40,585
421.9002.536.115009	MEAL ALLOWANCE	800	800	0	0.0%	800	412
421.9002.536.121001	SOCIAL SECURITY	41,350	40,316	1,034	2.6%	40,316	35,079
421.9002.536.122001	PENSION CONTRIBUTION	181,295	169,980	11,315	6.7%	169,980	103,393
421.9002.536.123001	GROUP LIFE INSURANCE	1,700	1,750	-50	-2.9%	1,750	1,625
421.9002.536.123002	HOSPITALIZATION INSURANCE	112,910	106,726	6,184	5.8%	106,726	88,778
421.9002.536.126001	COMPENSATED ABSENCES VAC	0	0	0	n/a	0	-29,084
421.9002.536.126002	COMPENSATED ABSENCES SICK	0	0	0	n/a	0	-28,568
Total Personnel Costs		877,780	845,778	32,002	3.8%	845,778	663,508
Operating Expenses							
421.9002.536.331001	PROFESSIONAL SERVICES	135,000	65,000	70,000	107.7%	65,000	19,896
421.9002.536.331020	LICENSES & TESTING	80,000	80,000	0	0.0%	80,000	57,246
421.9002.536.334003	JANITORIAL SERVICES	12,000	11,000	1,000	9.1%	11,000	11,112
421.9002.536.334007	OTHER CONTRACTUAL SERVICES	85,000	85,000	0	0.0%	85,000	17,121
421.9002.536.341001	TELEPHONE	4,000	4,000	0	0.0%	4,000	1,423
421.9002.536.342001	POSTAGE	1,500	1,500	0	0.0%	1,500	632
421.9002.536.343001	UTILITIES	700,000	600,000	100,000	16.7%	600,000	729,506
421.9002.536.344001	MACH & EQUIP RENT	30,000	30,000	0	0.0%	30,000	25,671
421.9002.536.344003	AIRPORT LAND RENT	296,500	297,550	-1,050	-0.4%	297,550	290,328
421.9002.536.344004	ENVIRONMENTAL CLEANUP REC	-115,000	-130,000	15,000	-11.5%	-130,000	-107,609
421.9002.536.344005	ENVIRONMENTAL CLEANUP EXP	10,000	70,000	-60,000	-85.7%	70,000	4,349
421.9002.536.346001	EQUIPMENT MAINTENANCE	175,000	175,000	0	0.0%	175,000	173,151
421.9002.536.346002	VEHICLE MAINTENANCE	15,607	14,911	696	4.7%	14,911	12,696
421.9002.536.346029	STRUCTURE & IMPROV MAINT	45,000	45,000	0	0.0%	45,000	10,376
421.9002.536.346030	WELL MAINTENANCE	80,000	80,000	0	0.0%	80,000	28,234
421.9002.536.346031	SUPPLY MAINS MAINT	3,000	3,000	0	0.0%	3,000	0
421.9002.536.346058	GROUND MAINT.	11,235	10,901	334	3.1%	10,901	10,409
421.9002.536.346059	ODOR CONTROL SYS MAINT	5,000	5,000	0	0.0%	5,000	115
421.9002.536.346200	SOFTWARE & MAINTENANCE	15,000	15,000	0	0.0%	15,000	11,945
421.9002.536.349003	SCHOOLS & MEETINGS	5,000	5,000	0	0.0%	5,000	2,755
421.9002.536.349005	FIRST AID	300	300	0	0.0%	300	124
421.9002.536.351001	OFFICE SUPPLIES	2,000	2,000	0	0.0%	2,000	1,182
421.9002.536.351002	LOGS/CHARTS/FORMS/MAPS	1,000	1,000	0	0.0%	1,000	373
421.9002.536.351003	OFFICE FURN & EQUIP	2,500	2,500	0	0.0%	2,500	220

## WATER AND SEWER FUND

### WATER TREATMENT

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
421.9002.536.352001	GAS & OIL	15,000	15,000	0	0.0%	15,000	14,377
421.9002.536.352005	CONSUMABLE TOOLS	2,500	2,500	0	0.0%	2,500	2,216
421.9002.536.352006	JANITORIAL SUPPLIES	3,500	3,500	0	0.0%	3,500	1,170
421.9002.536.352008	UNIFORMS & CLOTHING	6,970	6,970	0	0.0%	6,970	3,729
421.9002.536.352013	CHEMICAL & LAB SUPPLIES	25,000	25,000	0	0.0%	25,000	20,180
421.9002.536.352014	OTHER COMMODITIES	2,500	2,500	0	0.0%	2,500	590
421.9002.536.352019	CHEMICAL & WATER TR SUP	625,000	525,000	100,000	19.0%	525,000	695,535
421.9002.536.352023	HORTICULTURE SUPPLIES	500	500	0	0.0%	500	110
421.9002.536.354001	SUBSCRIPTIONS/MEMBERSHIPS	1,500	1,500	0	0.0%	1,500	60
Total Operating Expenses		<b>2,282,112</b>	2,056,132	225,980	11.0%	2,056,132	2,039,222
Capital Outlay							
421.9002.536.6_____	Various, See Detail	10,000	3,000	7,000	233.3%	3,000	0
Total Capital Outlay		<b>10,000</b>	3,000	7,000	233.3%	3,000	0
<b>Total</b>		<b>3,169,892</b>	<b>2,904,910</b>	<b>264,982</b>	<b>9.1%</b>	<b>2,904,910</b>	<b>2,702,730</b>

## WATER AND SEWER FUND

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### CAPITAL REQUEST DETAIL

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Department	Account Number	Account Name	Description	2020-2021 Budget
<b>Water Treatment</b>				
	421.9002.536.640100	MISC. TOOLS & EQUIPMENT	Purchases of hand tools not considered consumable that are used for the daily operation and maintenance of each Department.	<b>10,000</b>
<b>Total for Water Treatment</b>				<b>10,000</b>

# Wastewater Reuse

## Mission

The mission of the Wastewater Reuse Division is to produce and distribute reclaimed water for irrigation use to promote the conservation of potable water resources. Responsibilities of this division include meeting permit requirements of the Florida Department of Environmental Protection, St. John's River Water Management District and the U.S. Environmental Protection Agency.

## Staffing Table

*Staffing is provided by personnel of other Water Sewer divisions.*

## Routine Goals

Continue to make reclaimed water in accordance with FDEP requirements.

## WATER AND SEWER FUND

### WASTEWATER REUSE

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
Operating Expenses							
421.9004.536.331001	PROFESSIONAL SERVICES	10,000	10,000	0	0.0%	10,000	39,157
421.9004.536.331020	LICENSES & TESTING	10,000	10,000	0	0.0%	10,000	1,231
421.9004.536.343001	UTILITIES	180,000	180,000	0	0.0%	180,000	92,275
421.9004.536.346001	EQUIPMENT MAINTENANCE	50,000	25,000	25,000	100.0%	25,000	51,776
421.9004.536.346029	STRUCTURE & IMPR MAINT	5,000	5,000	0	0.0%	5,000	395
421.9004.536.346048	GROUND RESV MAINT	30,000	30,000	0	0.0%	30,000	0
421.9004.536.346049	MAINS & APPURT MAINT	5,000	5,000	0	0.0%	5,000	1,773
421.9004.536.346200	SOFTWARE & MAINTENANCE	7,000	7,000	0	0.0%	7,000	3,388
421.9004.536.352001	GAS & OIL	2,500	2,500	0	0.0%	2,500	0
421.9004.536.352005	CONSUMABLE TOOLS	1,000	1,000	0	0.0%	1,000	95
421.9004.536.352013	CHEMICAL & LAB SUPPLIES	1,000	1,000	0	0.0%	1,000	0
421.9004.536.352014	OTHER COMMODITIES	1,000	1,000	0	0.0%	1,000	0
421.9004.536.352019	CHEMICAL & WATER TR SUP	30,000	30,000	0	0.0%	30,000	16,538
Total Operating Expenses		332,500	307,500	25,000	8.1%	307,500	206,628
Capital Outlay							
421.9004.536.6_____	Various, See Detail	5,000	2,000	3,000	150.0%	2,000	0
Total Capital Outlay		5,000	2,000	3,000	150.0%	2,000	0
<b>Total</b>		<b>337,500</b>	<b>309,500</b>	<b>28,000</b>	<b>9.0%</b>	<b>309,500</b>	<b>206,628</b>

## WATER AND SEWER FUND

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### CAPITAL REQUEST DETAIL

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Department	Account Number	Account Name	Description	2020-2021 Budget
<b>Wastewater Reuse</b>				
	421.9004.536.640100	MISC. TOOLS & EQUIPMENT	Purchases of hand tools not considered consumable that are used for the daily operation and maintenance of each Department.	<b>5,000</b>
<b>Total for Wastewater Reuse</b>				<b>5,000</b>

# Administration

## Mission

The mission of the Administration Division is to provide support to the operating divisions of the department. This also includes coordinating with other departments whose facilities or personnel may be affected by Water and Sewer operations. This Division monitors personnel actions, purchasing and payroll functions of the Department, and provides the interface for handling citizen

## Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	5	4	1
Full Time Bargaining	3	3	0
Total	8	7	1
Part Time	0	0	0
Total	8	7	1

## Routine Goals

Search for new methods and technologies that will reduce operational expenses, increase efficiency, and improve services to customers.

Continue our departmental document management system migration from paper to electronic records. This includes converting old paper maps, drawings, and details into electronic format that can be used for modeling and field operations.

Continue to streamline our departmental purchasing process and procedures to alleviate workload.

## Major Goals

The STEP System mains were completed in July 2017. STEP Up and Save program is ongoing. A new program in conjunction with the construction of the new water reclamation facility will be discussed with City Council this fiscal year.

New goal for FY 20/21 is to implement the necessary changes required to comply with Senate Bill 712 "Clean Waterways Act". This includes a Sanitary Sewer Evaluation System of the gravity sewer infrastructure to identify deficiencies and implement corrective action, design and install emergency backup generators at key lift stations, and creation of an Asset Management Plan for infrastructure replacement and rehabilitation to safeguard the IRL from sanitary sewer overflows.

Implement an aggressive wellfield rehabilitation program to restore surficial wellfield production. This will include a redrill of Well Nos. 2 and 8 along with identifying additional well replacements.

## WATER AND SEWER FUND

### ADMINISTRATION

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
Personnel Costs							
421.9005.536.112001	OPERATING SALARIES	544,171	497,592	46,579	9.4%	497,592	340,060
421.9005.536.113002	PART TIME SALARIES	20,000	20,000	0	0.0%	20,000	4,655
421.9005.536.114001	OVERTIME SALARIES	10,000	3,000	7,000	233.3%	3,000	536
421.9005.536.115009	MEAL ALLOWANCE	0	100	-100	-100.0%	100	0
421.9005.536.121001	SOCIAL SECURITY	43,924	39,833	4,091	10.3%	39,833	24,536
421.9005.536.122001	PENSION CONTRIBUTION	159,193	147,496	11,697	7.9%	147,496	87,475
421.9005.536.123001	GROUP LIFE INSURANCE	1,400	1,550	-150	-9.7%	1,550	1,391
421.9005.536.123002	HOSPITALIZATION INSURANCE	96,222	72,526	23,696	32.7%	72,526	53,795
421.9005.536.126001	COMPENSATED ABSENCES VAC	0	0	0	n/a	0	17,994
421.9005.536.126002	COMPENSATED ABSENCES SICK	0	0	0	n/a	0	37,278
Total Personnel Costs		<b>874,910</b>	782,097	92,813	11.9%	782,097	567,720
Operating Expenses							
421.9005.536.331001	PROFESSIONAL SERVICES	60,000	60,000	0	0.0%	60,000	32,771
421.9005.536.341001	TELEPHONE	9,000	9,000	0	0.0%	9,000	7,253
421.9005.536.342001	POSTAGE	500	500	0	0.0%	500	8
421.9005.536.346001	EQUIPMENT MAINTENANCE	1,000	1,000	0	0.0%	1,000	584
421.9005.536.346200	SOFTWARE & MAINTENANCE	44,500	42,000	2,500	6.0%	42,000	34,663
421.9005.536.349003	SCHOOLS & MEETINGS	2,500	2,500	0	0.0%	2,500	1,813
421.9005.536.351001	OFFICE SUPPLIES	5,000	5,000	0	0.0%	5,000	3,116
421.9005.536.351003	OFFICE FURN & EQUIP	5,000	5,000	0	0.0%	5,000	708
421.9005.536.352006	JANITORIAL SUPPLIES	250	250	0	0.0%	250	0
421.9005.536.352014	OTHER COMMODITIES	1,000	1,000	0	0.0%	1,000	50
421.9005.536.354001	SUBSCRIPTIONS/MEMBERSHIPS	7,500	7,500	0	0.0%	7,500	6,697
421.9005.536.355011	RECORDING FEES	5,000	5,000	0	0.0%	5,000	3,495
Total Operating Expenses		<b>141,250</b>	138,750	2,500	1.8%	138,750	91,158
<b>Total</b>		<b>1,016,160</b>	<b>920,847</b>	<b>95,313</b>	<b>10.4%</b>	<b>920,847</b>	<b>658,878</b>

# Facility Maintenance, Asset Management and Warehouse

## Mission

The mission of the Facility Maintenance, Asset Management and Warehouse Division is to schedule and perform maintenance on equipment, track assets, provide a central database for equipment and distributed data, maximize equipment reliability, improve efficiency, and support the operations of all Water and Wastewater Divisions.

## Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	2	2	0
Full Time Bargaining	6	6	0
Total	8	8	0
Part Time	0	0	0
Total	8	8	0

## Routine Goals

Continue to improve centralizing and organizing department electronic data to alleviate redundancy, ensure data reliability, and improve data acquisition time.

Continue to schedule preventative maintenance and track corrective maintenance on equipment that is tracked by FDEP through our Enterprise Asset Management Program (EAM).

Reduce electrical costs by continuing to replace standard efficiency motors with higher efficiency motors as needed.

Evaluate potential energy and cost savings that may be available by pilot testing new technology.

## Major Goals

Continue implementing and expanding the scope of our EAM system. Empower maintenance and field operations workforce through utilization of mobile devices to enable field access of data, maps, as well as work management information.

Update Reclaimed Water Plant Control Systems which will elevate reliability while increasing overall equipment efficiency.

Upgrade Potable Water Pump Systems to ensure reliability and efficiency.

Perform pilot test to deploy Water and Wastewater Treatment Plant operators with mobile devices to increase safety and efficiency of operations personnel.

New to this Division is warehouse operations that was part of another City Department. The goal this year is to move the inventory of the Water and Sewer Department into the EAM system so that parts can be tracked along with work orders.

## WATER AND SEWER FUND

### FACILITY MAINTENANCE & ASSET MANAGEMENT

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
<b>Personnel Costs</b>							
421.9007.536.112001	OPERATING SALARIES	561,754	543,107	18,647	3.4%	543,107	513,259
421.9007.536.114001	OVERTIME SALARIES	15,000	15,000	0	0.0%	15,000	7,350
421.9007.536.115009	MEAL ALLOWANCE	300	300	0	0.0%	300	70
421.9007.536.121001	SOCIAL SECURITY	44,145	42,718	1,427	3.3%	42,718	36,603
421.9007.536.122001	PENSION CONTRIBUTION	161,100	151,188	9,912	6.6%	151,188	98,809
421.9007.536.123001	GROUP LIFE INSURANCE	2,100	1,350	750	55.6%	1,350	2,086
421.9007.536.123002	HOSPITALIZATION INSURANCE	112,212	108,023	4,189	3.9%	108,023	92,507
421.9007.536.126001	COMPENSATED ABSENCES VAC	0	0	0	n/a	0	19,618
421.9007.536.126002	COMPENSATED ABSENCES SICK	0	0	0	n/a	0	4,817
<b>Total Personnel Costs</b>		<b>896,611</b>	<b>861,686</b>	<b>34,925</b>	<b>4.1%</b>	<b>861,686</b>	<b>775,119</b>
<b>Operating Expenses</b>							
421.9007.536.331001	PROFESSIONAL SERVICES	10,000	10,000	0	0.0%	10,000	38
421.9007.536.334007	OTHER CONTRACTUAL SERVICES	2,000	2,000	0	0.0%	2,000	0
421.9007.536.341001	TELEPHONE	2,000	2,000	0	0.0%	2,000	0
421.9007.536.343001	UTILITIES	6,500	5,500	1,000	18.2%	5,500	6,205
421.9007.536.344001	MACH & EQUIP RENT	500	500	0	0.0%	500	0
421.9007.536.346001	EQUIPMENT MAINTENANCE	3,200	3,200	0	0.0%	3,200	2,079
421.9007.536.346002	VEHICLE MAINTENANCE	5,174	5,343	-169	-3.2%	5,343	5,240
421.9007.536.346029	STRUCTURE & IMPROV MAINT	2,000	2,000	0	0.0%	2,000	1,478
421.9007.536.346200	SOFTWARE & MAINTENANCE	9,000	9,000	0	0.0%	9,000	6,320
421.9007.536.349003	SCHOOLS & MEETINGS	10,000	10,000	0	0.0%	10,000	3,646
421.9007.536.349005	FIRST AID	150	150	0	0.0%	150	0
421.9007.536.351001	OFFICE SUPPLIES	1,500	1,500	0	0.0%	1,500	1,098
421.9007.536.351003	OFFICE FURN & EQUIP	3,500	3,500	0	0.0%	3,500	1,820
421.9007.536.352001	GAS & OIL	1,500	1,500	0	0.0%	1,500	1,501
421.9007.536.352005	CONSUMABLE TOOLS	4,000	4,000	0	0.0%	4,000	4,038
421.9007.536.352006	JANITORIAL SUPPLIES	200	200	0	0.0%	200	117
421.9007.536.352008	UNIFORMS & CLOTHING	4,500	4,500	0	0.0%	4,500	3,642
421.9007.536.352014	OTHER COMMODITIES	5,500	5,500	0	0.0%	5,500	2,199
421.9007.536.354001	SUBSCRIPTIONS/MEMBERSHIPS	2,000	2,000	0	0.0%	2,000	299
<b>Total Operating Expenses</b>		<b>73,224</b>	<b>72,393</b>	<b>831</b>	<b>1.1%</b>	<b>72,393</b>	<b>39,720</b>
<b>Capital Outlay</b>							
421.9007.536.6_____	Various, See Detail	5,000	2,000	3,000	150.0%	2,000	0
<b>Total Capital Outlay</b>		<b>5,000</b>	<b>2,000</b>	<b>3,000</b>	<b>150.0%</b>	<b>2,000</b>	<b>0</b>
<b>Total</b>		<b>974,835</b>	<b>936,079</b>	<b>38,756</b>	<b>4.1%</b>	<b>936,079</b>	<b>814,839</b>

## WATER AND SEWER FUND

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### CAPITAL REQUEST DETAIL

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Department	Account Number	Account Name	Description	2020-2021 Budget
<b>Facility Maintenance &amp; Asset Management</b>				
	421.9007.536.640100	MISC. TOOLS & EQUIPMENT	Purchases of hand tools not considered consumable that are used for the daily operation and maintenance of each Department.	<b>5,000</b>
<b>Total for Facility Maintenance &amp; Asset Management</b>				<b>5,000</b>

# Wastewater Collection

## Mission

The mission of the Wastewater Collection Division is to ensure uninterrupted wastewater collection and to minimize external flows from infiltration and inflow into the gravity sewer system. This Division also maintains and repairs the electrical and mechanical pumping equipment associated with the wastewater transmission system.

The Division presently maintains:

- 132 miles of gravity sewer lines
- 63 miles of force mains
- 17 miles of STEP mains
- 2,660 manholes
- 128 Electrical Panels
- 248 Pumps
- 180 STEP Systems

## Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	2	2	0
Full Time Bargaining	14	10	4
<b>Total</b>	<b>16</b>	<b>12</b>	<b>4</b>
Part Time	0	0	0
<b>Total</b>	<b>16</b>	<b>12</b>	<b>4</b>

## Routine Goals

Reduce rainwater inflow into the wastewater collection system through repairs to deficiencies identified during scheduled smoke testing.

Continue the valve-exercising program for all force main and lift station valves throughout the system.

- 325 Force Main Valves;
- 248 Lift Station Valves.

Maintain the standard of response to customer inquiries at less than 30 minutes from time of call.

Replace Lift Station pumps and panels as warranted.

Continue to perform preventive maintenance on our lift stations a minimum of 20 times per month.

## Major Goals

Install STEP System service laterals.

Connect customers to the STEP System as customers "Sign Up to Save".

Implement a new TV and Inspection Section to televise and smoke test the gravity sewer system.

## WATER AND SEWER FUND

### WASTEWATER COLLECTION

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
<b>Personnel Costs</b>							
421.9010.536.112001	OPERATING SALARIES	<b>718,046</b>	617,977	100,069	16.2%	617,977	534,449
421.9010.536.114001	OVERTIME SALARIES	<b>50,000</b>	50,000	0	0.0%	50,000	25,541
421.9010.536.115009	MEAL ALLOWANCE	<b>1,200</b>	1,200	0	0.0%	1,200	384
421.9010.536.121001	SOCIAL SECURITY	<b>58,847</b>	51,192	7,655	15.0%	51,192	39,198
421.9010.536.122001	PENSION CONTRIBUTION	<b>178,476</b>	162,476	16,000	9.8%	162,476	99,667
421.9010.536.123001	GROUP LIFE INSURANCE	<b>2,200</b>	2,050	150	7.3%	2,050	2,129
421.9010.536.123002	HOSPITALIZATION INSURANCE	<b>186,072</b>	152,159	33,913	22.3%	152,159	126,889
421.9010.536.126001	COMPENSATED ABSENCES VAC	<b>0</b>	0	0	n/a	0	8,813
421.9010.536.126002	COMPENSATED ABSENCES SICK	<b>0</b>	0	0	n/a	0	5,075
<b>Total Personnel Costs</b>		<b>1,194,841</b>	1,037,054	157,787	15.2%	1,037,054	842,145
<b>Operating Expenses</b>							
421.9010.536.331001	PROFESSIONAL SERVICES	<b>45,000</b>	8,000	37,000	462.5%	8,000	808
421.9010.536.334007	OTHER CONTRACTUAL SERVICES	<b>12,000</b>	12,000	0	0.0%	12,000	6,457
421.9010.536.341001	TELEPHONE	<b>8,000</b>	8,000	0	0.0%	8,000	6,843
421.9010.536.343001	UTILITIES	<b>95,500</b>	95,500	0	0.0%	95,500	90,661
421.9010.536.344001	MACH & EQUIP RENT	<b>3,000</b>	3,000	0	0.0%	3,000	161
421.9010.536.346001	EQUIPMENT MAINTENANCE	<b>110,000</b>	100,000	10,000	10.0%	100,000	101,430
421.9010.536.346002	VEHICLE MAINTENANCE	<b>52,473</b>	51,041	1,432	2.8%	51,041	40,435
421.9010.536.346029	STRUCTURE & IMPROV MAINT	<b>3,500</b>	3,500	0	0.0%	3,500	2,173
421.9010.536.346035	ELEC CONTROL SYS MAINT	<b>40,000</b>	40,000	0	0.0%	40,000	44,491
421.9010.536.346042	GRAVITY MAINS & LATRLS MAINT	<b>30,000</b>	30,000	0	0.0%	30,000	23,992
421.9010.536.346047	CUST PREMISES MAINT	<b>10,000</b>	10,000	0	0.0%	10,000	1,795
421.9010.536.346049	FORCE MAINS & APPURT MAINT	<b>15,000</b>	10,000	5,000	50.0%	10,000	11,941
421.9010.536.346058	GROUNDS MAINT	<b>17,948</b>	17,412	536	3.1%	17,412	16,628
421.9010.536.349003	SCHOOLS & MEETINGS	<b>1,500</b>	1,500	0	0.0%	1,500	1,081
421.9010.536.349005	FIRST AID	<b>150</b>	150	0	0.0%	150	150
421.9010.536.349028	LANDFILL FEES	<b>2,000</b>	2,000	0	0.0%	2,000	239
421.9010.536.351001	OFFICE SUPPLIES	<b>750</b>	750	0	0.0%	750	603
421.9010.536.351003	OFFICE FURN & EQUIP	<b>5,000</b>	5,000	0	0.0%	5,000	981
421.9010.536.352001	GAS & OIL	<b>35,000</b>	40,000	-5,000	-12.5%	40,000	28,682
421.9010.536.352005	CONSUMABLE TOOLS	<b>2,500</b>	2,500	0	0.0%	2,500	2,032
421.9010.536.352006	JANITORIAL SUPPLIES	<b>1,000</b>	1,000	0	0.0%	1,000	0
421.9010.536.352008	UNIFORMS & CLOTHING	<b>12,500</b>	9,000	3,500	38.9%	9,000	8,414
421.9010.536.352014	OTHER COMMODITIES	<b>4,000</b>	4,000	0	0.0%	4,000	1,741
421.9010.536.352019	CHEMICAL & WATER TR SUPPLIES	<b>250</b>	250	0	0.0%	250	0

## WATER AND SEWER FUND

### WASTEWATER COLLECTION

2021 Budget vs 2020  
Projected

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	Change \$	Change %	2019-2020 Budget	2018-2019 Actual
421.9010.536.353003	REPLACEMENT PAVEMENT	10,000	10,000	0	0.0%	10,000	4,020
421.9010.536.354001	SUBSCRIPTIONS/MEMBERSHIPS	500	500	0	0.0%	500	15
Total Operating Expenses		<b>517,571</b>	465,103	52,468	11.3%	465,103	395,773
Capital Outlay							
421.9010.536.6_____	Various, See Detail	10,000	5,000	5,000	100.0%	5,000	6,982
Total Capital Outlay		<b>10,000</b>	5,000	5,000	100.0%	5,000	6,982
<b>Total</b>		<b>1,722,412</b>	<b>1,507,157</b>	<b>215,255</b>	<b>14.3%</b>	<b>1,507,157</b>	<b>1,244,900</b>

## WATER AND SEWER FUND

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### CAPITAL REQUEST DETAIL

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Department	Account Number	Account Name	Description	2020-2021 Budget
<b>Wastewater Collection</b>				
	421.9010.536.640100	MISC. TOOLS & EQUIPMENT	Purchases of hand tools not considered consumable that are used for the daily operation and maintenance of each Department.	<b>10,000</b>
<b>Total for Wastewater Collection</b>				<b>10,000</b>

# Water Distribution

## Mission

The mission of the Water Distribution Division is to repair and maintain the water distribution system to assure uninterrupted delivery of water and maintain meter accuracy through testing and repair/replacement of meters.

The Division presently maintains:

- 290 Miles of transmission & distribution mains
- 11,967 Service lines
- 1,231 Fire hydrants and associated valves
- 22 Miles of reuse mains
- 137 City owned reduced pressure backflow preventers
- 13,050 Potable water meters
- 154 Reuse meters
- 36 Wellfield meters

## Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	1	1	0
Full Time Bargaining	12	12	0
Total	13	13	0
Part Time	0	0	0
Total	13	13	0

## Routine Goals

Inspect, paint, test, and exercise all fire hydrants throughout the system (1,231).

Exercise all valves throughout the systems every two (2) years or as specified by the manufacturer. (FDEP 62-555.350) (4,669).

Continue a water main flushing program to flush dead-end lines quarterly and other lines as necessary to maintain appropriate water quality standards (FDEP 62-555.350) (167 dead-end lines).

Continue the Backflow Prevention Program to protect the water system from possible contaminants. (FDEP 62-555.360):

- 137 City maintained
- 1,049 Commercial managed testable devices;
- 801 Residential managed testable devices.

Test wellfield meters every three (3) years as required by the Consumptive Use Permit and repair or replace as warranted (36).

Replace, according to age, approximately 1000 - 5/8" through 1" potable water meters annually. Repair and/or replace 1-1/2" through 2" meters as warranted. Test and repair, as needed, 3" and larger meters annually.

## Major Goals

Coordinate with the replacement of water mains on 43rd Avenue and State Road 60 and setup temporary services.

## WATER AND SEWER FUND

### WATER DISTRIBUTION

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
<b>Personnel Costs</b>							
421.9011.536.112001	OPERATING SALARIES	615,763	604,848	10,915	1.8%	604,848	633,516
421.9011.536.114001	OVERTIME SALARIES	60,000	60,000	0	0.0%	60,000	56,192
421.9011.536.115009	MEAL ALLOWANCE	2,500	2,500	0	0.0%	2,500	721
421.9011.536.121001	SOCIAL SECURITY	51,887	51,052	835	1.6%	51,052	47,820
421.9011.536.122001	CONTRIB TO PENSION FUND	217,085	203,402	13,683	6.7%	203,402	133,800
421.9011.536.123001	GROUP LIFE INSURANCE	2,600	2,250	350	15.6%	2,250	2,601
421.9011.536.123002	HOSPITALIZATION INSURANCE	140,041	163,219	-23,178	-14.2%	163,219	166,066
421.9011.536.126001	COMPENSATED ABSENCES VAC	0	0	0	n/a	0	2,710
421.9011.536.126002	COMPENSATED ABSENCES SICK	0	0	0	n/a	0	3,559
<b>Total Personnel Costs</b>		<b>1,089,876</b>	<b>1,087,271</b>	<b>2,605</b>	<b>0.2%</b>	<b>1,087,271</b>	<b>1,046,985</b>
<b>Operating Expenses</b>							
421.9011.536.331001	PROFESSIONAL SERVICES	8,000	8,000	0	0.0%	8,000	814
421.9011.536.334007	OTHER CONTRACTUAL SERVICES	7,000	7,000	0	0.0%	7,000	3,465
421.9011.536.342001	POSTAGE	150	150	0	0.0%	150	0
421.9011.536.343001	UTILITIES	15,000	15,000	0	0.0%	15,000	15,085
421.9011.536.344001	MACH & EQUIP RENT	500	500	0	0.0%	500	0
421.9011.536.346001	EQUIPMENT MAINTENANCE	6,500	6,500	0	0.0%	6,500	6,159
421.9011.536.346002	VEHICLE MAINTENANCE	35,412	38,884	-3,472	-8.9%	38,884	31,782
421.9011.536.346029	STRUCTURE & IMPROV MAINT	6,000	6,000	0	0.0%	6,000	3,954
421.9011.536.346042	T & D MAINS MAINT	90,000	90,000	0	0.0%	90,000	74,978
421.9011.536.346043	SERVICES MAINT	15,000	15,000	0	0.0%	15,000	2,343
421.9011.536.346044	METERS MAINT	9,000	9,000	0	0.0%	9,000	0
421.9011.536.346046	HYDRANTS MAINT	12,000	12,000	0	0.0%	12,000	1,240
421.9011.536.346047	CUSTOMER PREMISES MAINT	8,500	8,500	0	0.0%	8,500	5,488
421.9011.536.346048	GROUND RESV MAINT	52,000	52,000	0	0.0%	52,000	21,675
421.9011.536.349003	SCHOOLS & MEETINGS	4,000	4,000	0	0.0%	4,000	2,627
421.9011.536.349005	FIRST AID	250	250	0	0.0%	250	242
421.9011.536.349028	LANDFILL FEES	5,000	5,000	0	0.0%	5,000	3,662
421.9011.536.351001	OFFICE SUPPLIES	1,250	1,250	0	0.0%	1,250	952
421.9011.536.351003	OFFICE FURN & EQUIP	3,000	3,000	0	0.0%	3,000	407
421.9011.536.352001	GAS & OIL	32,000	35,000	-3,000	-8.6%	35,000	27,394
421.9011.536.352005	CONSUMABLE TOOLS	4,000	4,000	0	0.0%	4,000	4,491
421.9011.536.352006	JANITORIAL SUPPLIES	1,900	1,900	0	0.0%	1,900	852
421.9011.536.352008	UNIFORMS & CLOTHING	12,000	12,000	0	0.0%	12,000	9,365
421.9011.536.352014	OTHER COMMODITIES	5,500	5,500	0	0.0%	5,500	2,469

## WATER AND SEWER FUND

### WATER DISTRIBUTION

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
421.9011.536.353003	REPLACEMENT PAVEMENT	25,000	25,000	0	0.0%	25,000	47,140
421.9011.536.354001	SUBSCRIPTIONS/MEMBERSHIPS	400	400	0	0.0%	400	150
421.9011.536.359900	INTERFUND SERVICES	0	0	0	n/a	0	-22,500
Total Operating Expenses		<b>359,362</b>	365,834	-6,472	-1.8%	365,834	244,234
Capital Outlay							
421.9011.536.6 _____	Various, See Detail	10,000	5,000	5,000	100.0%	5,000	2,050
Total Capital Outlay		<b>10,000</b>	5,000	5,000	100.0%	5,000	2,050
<b>Total</b>		<b>1,459,238</b>	<b>1,458,105</b>	<b>1,133</b>	<b>0.1%</b>	<b>1,458,105</b>	<b>1,293,269</b>

## WATER AND SEWER FUND

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### CAPITAL REQUEST DETAIL

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Department	Account Number	Account Name	Description	2020-2021 Budget
<b>Water Distribution</b>				
	421.9011.536.640100	MISC. TOOLS & EQUIPMENT	Purchases of hand tools not considered consumable that are used for the daily operation and maintenance of each Department.	<b>10,000</b>
<b>Total for Water Distribution</b>				<b>10,000</b>

# Finance

## Customer Service

### Mission

The mission of Customer Service is to provide courteous and efficient service to all utility customers and ensure that utility billings are rendered correctly and collections are made in a timely manner. To provide statistical data to other city departments and outside agencies as required. To promote efficient use of water and other natural resources as mandated by the State of Florida and the St. John's Water Management District.

### Staffing Table

Employee Type	Budget 2020-2021	Budget 2019-2020	Change
Full Time Non Bargaining	3	3	0
Full Time Bargaining	9	9	0
Total	12	12	0
Part Time	0	0	0
Total	12	12	0

### Major Goals and Challenges

To continue the development of personnel through on-the-job training.

To provide water conservation information to residential, commercial, and industrial customers.

To provide improved and expanded services as a part of the Utility Billing System enhancement schedule.

To continue to look for efficiencies and technology/process improvements which provide effective customer service while reducing costs.

To continue educating the public about our Cayenta Self Service Portal and Invoice Cloud payment and e-billing system. This is an online tool that is accessible through [www.covb.org](http://www.covb.org) and gives customers access to account data and the ability to receive e-bills and schedule online payments

## WATER AND SEWER FUND

### FINANCE: CUSTOMER SERVICE

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
Personnel Costs							
421.9012.536.112001	OPERATING SALARIES	536,335	521,170	15,165	2.9%	521,170	580,694
421.9012.536.114001	OVERTIME SALARIES	3,000	3,000	0	0.0%	3,000	4,137
421.9012.536.121001	SOCIAL SECURITY	41,259	40,099	1,160	2.9%	40,099	39,788
421.9012.536.122001	CONTRIB TO PENSION FUND	47,526	46,182	1,344	2.9%	46,182	46,069
421.9012.536.123001	GROUP LIFE INSURANCE	2,400	1,850	550	29.7%	1,850	2,326
421.9012.536.123002	HOSPITALIZATION INSURANCE	156,947	157,246	-299	-0.2%	157,246	154,210
421.9012.536.126001	COMPENSATED ABSENCES VAC	0	0	0	n/a	0	58,223
421.9012.536.126002	COMPENSATED ABSENCES SICK	0	0	0	n/a	0	25,352
Total Personnel Costs		787,467	769,547	17,920	2.3%	769,547	910,799
Operating Expenses							
421.9012.536.331001	PROFESSIONAL SERVICES	55,000	55,000	0	0.0%	55,000	57,800
421.9012.536.334003	JANITORIAL SERVICES	4,400	4,400	0	0.0%	4,400	3,424
421.9012.536.334007	OTHER CONTRACTUAL SERVICES	0	0	0	n/a	0	48,358
421.9012.536.340001	MILEAGE ALLOWANCE	500	500	0	0.0%	500	75
421.9012.536.341001	TELEPHONE	3,000	3,000	0	0.0%	3,000	2,472
421.9012.536.342001	POSTAGE	75,000	75,000	0	0.0%	75,000	114,360
421.9012.536.346002	VEHICLE MAINTENANCE	8,393	7,293	1,100	15.1%	7,293	11,431
421.9012.536.346003	BUILDING MAINTENANCE	2,000	2,000	0	0.0%	2,000	800
421.9012.536.346017	OFFICE EQUIP MAINT	1,500	1,500	0	0.0%	1,500	591
421.9012.536.346018	RADIO MAINT	500	500	0	0.0%	500	164
421.9012.536.346044	METERS MAINT	500	500	0	0.0%	500	824
421.9012.536.346200	SOFTWARE & MAINTENANCE	132,000	125,000	7,000	5.6%	125,000	114,399
421.9012.536.347001	PRINTING & BINDING	32,000	32,000	0	0.0%	32,000	48,258
421.9012.536.349003	SCHOOLS & MEETINGS	2,000	2,000	0	0.0%	2,000	1,265
421.9012.536.349015	CREDIT BUREAU CHARGES	28,000	28,000	0	0.0%	28,000	20,243
421.9012.536.351001	OFFICE SUPPLIES	3,000	3,000	0	0.0%	3,000	2,527
421.9012.536.351003	OFFICE FURN & EQUIP	5,000	5,000	0	0.0%	5,000	0
421.9012.536.352001	GAS & OIL	6,047	6,480	-433	-6.7%	6,480	8,025
421.9012.536.352008	UNIFORMS & CLOTHING	1,200	1,200	0	0.0%	1,200	962
421.9012.536.352014	OTHER COMMODITIES	1,000	1,000	0	0.0%	1,000	84
421.9012.536.352027	TOOLS & INSTRUMENTS	500	500	0	0.0%	500	141
421.9012.536.359905	INTERFUND SERVICES - ELECTRIC	0	0	0	n/a	0	-390,546
421.9012.536.359910	INTERFUND SERVICES - SOLID WASTE	-168,952	-168,474	-478	0.3%	-168,474	-134,844
Total Operating Expenses		192,588	185,399	7,189	3.9%	185,399	-89,187
<b>Total</b>		<b>980,055</b>	<b>954,946</b>	<b>25,109</b>	<b>2.6%</b>	<b>954,946</b>	<b>821,612</b>

# Non Departmental

## Mission

The Non Departmental accounts are used for expenses which are not directly associated with or allocable to any other department of the Water Sewer Fund.

## WATER AND SEWER FUND

### NONDEPARTMENTAL

Account Number	Account Name	2020-2021 Budget	2019-2020 Projected	2021 Budget vs 2020 Projected		2019-2020 Budget	2018-2019 Actual
				Change \$	Change %		
Personnel Costs							
421.9900.536.114003	OVERTIME - DISASTER	0	0	0	n/a	0	6,130
421.9900.536.123005	WORKERS COMPENSATION	118,400	83,000	35,400	42.7%	83,000	86,703
421.9900.536.123004	RETIREMENT PREM ASSIST	161,792	169,288	-7,496	-4.4%	169,288	155,223
421.9900.536.123006	CONTRIBUTION TO OPEB TRUST	111,787	122,357	-10,570	-8.6%	122,357	147,605
421.9900.536.125001	STATE UNEMPLOYMENT COMP	0	0	0	n/a	0	3,300
Total Personnel Costs		<b>391,979</b>	374,645	17,334	4.6%	374,645	398,961
Operating Expenses							
421.9900.536.331001	PROFESSIONAL SERVICES	15,000	15,000	0	0.0%	15,000	3,080
421.9900.536.331012	PAYING AGENTS FEE	0	1,250	-1,250	-100.0%	1,250	0
421.9900.536.331015	GIS EXPENSE	20,000	25,000	-5,000	-20.0%	25,000	30,076
421.9900.536.332001	AUDIT	19,000	19,000	0	0.0%	19,000	18,606
421.9900.536.340001	MILEAGE ALLOWANCE	5,000	7,500	-2,500	-33.3%	7,500	5,160
421.9900.536.341002	TELECOMMUNICATIONS SVCS	9,800	9,800	0	0.0%	9,800	6,675
421.9900.536.344003	LAND RENT AIRPORT	30,000	30,000	0	0.0%	30,000	20,337
421.9900.536.345001	GENERAL INSURANCE	237,539	271,463	-33,924	-12.5%	271,463	288,351
421.9900.536.345003	G/L AND AUTO-LOSSES/DEDUCTIBLES	0	0	0	n/a	0	1,220
421.9900.536.349016	GF ADMIN CHARGE	1,256,596	1,253,257	3,339	0.3%	1,253,257	1,045,744
421.9900.536.349019	METER DEPOSIT INTEREST	7,500	0	7,500	n/a	0	3,666
421.9900.536.349023	BAD DEBT	15,000	15,000	0	0.0%	15,000	46,116
421.9900.536.349300	HURRICANE DORIAN EXPENSES	0	0	0	n/a	0	6,007
421.9900.536.355002	MISCELLANEOUS	2,000	2,000	0	0.0%	2,000	0
421.9900.536.355006	INVENTORY VARIANCE	0	0	0	n/a	0	-10
421.9900.536.355007	GRACE	80,000	75,000	5,000	6.7%	75,000	96,751
Total Operating Expenses		<b>1,697,435</b>	1,724,270	-26,835	-1.6%	1,724,270	1,571,779
Debt Service and Transfers							
421.9900.536.991004	TRANSFER TO GENERAL FUND	1,025,000	1,005,000	20,000	2.0%	1,005,000	996,000
421.9900.536.991007	TRANS TO W/S R&R FUND	1,800,000	1,700,000	100,000	5.9%	1,700,000	1,700,000
421.9900.536.991058	DEBT SVC TRF WW 310201 ORIG	651,124	651,124	0	0.0%	651,124	169,469
421.9900.536.991059	DEBT SVC TRF DW 310220	20,542	20,542	0	0.0%	20,542	5,759
421.9900.536.991060	DEBT SVC TRF WW 310201 AM#2	107,876	107,876	0	0.0%	107,876	24,722
421.9900.536.991061	DEBT SVC TRF DW 310221	12,000	12,000	0	0.0%	12,000	2,965
421.9900.536.991062	DEBT SVC TRF SERIES 2013	1,128,056	1,131,410	-3,354	-0.3%	1,131,410	58,506
Total Debt Service and Transfers		<b>4,744,598</b>	4,627,952	116,646	2.5%	4,627,952	2,957,421
<b>Total</b>		<b>6,834,012</b>	<b>6,726,867</b>	<b>107,145</b>	<b>1.6%</b>	<b>6,726,867</b>	<b>4,928,161</b>

## WATER SEWER R&R FUND

Account Number	Account Name	2020-2021 Budget
<b>REVENUES</b>		
423.0000.343.060900	WATER IMPACT FEES	175,000
423.0000.343.061000	SEWER IMPACT FEES	130,000
423.0000.343.061600	WASTEWATER UTILITY EXTENSION CHARGES	20,000
423.0000.343.062000	STEP SYSTEM PREPAYMENTS	275,000
423.0000.361.010100	INTEREST INCOME - SPECIAL ASSESSMENTS	3,000
423.0000.363.000100	PENALTY INCOME	500
423.0000.365.090150	SALE OF SURPLUS VEHICLES	10,000
423.0000.382.000300	CONTRIBUTION FROM W/S REV FUND	1,800,000
423.0000.384.000100	PROCEEDS FROM BORROWING (WWTP RELOCATION)	1,050,000
423.0000.384.000100	PROCEEDS FROM BORROWING(CANAL PMP STN & WTP RETROFIT)	1,450,000
423.0000.384.000100	PROCEEDS FROM BORROWING(STEP SYS FRC MNS OUT CTY LMTS)	2,000,000
423.0000.389.000800	STEP SYSTEM SPECIAL ASSESSMENT REVENUE	1,500
423.0000.389.000200	CASH CARRY OVER	1,809,842
<b>Total Revenues</b>		<b>\$ 8,724,842</b>
<b>EXPENDITURES</b>		
<b>WASTEWATER TREATMENT</b>		
423.9000.536.610390	COMPUTERS	10,500
423.9000.536.611334	WASTEWATER TREATMENT PLANT METERS	5,000
423.9000.536.614004	PUMP AND MOTOR REPLACEMENT	5,000
423.9000.536.614005	ELECTRICAL EQUIPMENT REPLACEMENT	5,000
423.9000.536.615014	HVAC REPLACEMENT	1,000
423.9000.536.616072	WATER RECLAMATION FACILITY - ENGINEERING (WWTP RELOC)	900,000
<b>WATER TREATMENT</b>		
423.9002.536.601302	WELL FIELD GENERATORS (REPLACE PORTABLES)	120,000
423.9002.536.602391	EXTERIOR PAINTING OF BUILDINGS	50,000
423.9002.536.602393	SLAKER ROOM FLOOR EPOXY COATING REPAIR	50,000
423.9002.536.608304	DOOR REPLACEMENT	95,000
423.9002.536.610340	SECURITY SYSTEM	20,000
423.9002.536.610396	SCADA SYSTEM REPLACEMENT	20,000
423.9002.536.611305	CAUSTIC TANK REPLACEMENT	50,000

## WATER SEWER R&R FUND

Account Number	Account Name	2020-2021 Budget
<b>EXPENDITURES (CONTINUED)</b>		
423.9002.536.611306	FLOURIDE TANK REPLACEMENT	30,000
423.9002.536.611307	PIPE PAINTING (FILTER BAYS)	50,000
423.9002.536.611334	WATER PLANT AND WELL FIELD METERS	30,000
423.9002.536.612310	RO PLANT GENERATOR REPLACEMENT	650,000
423.9002.536.613010	HIGH SERVICE PUMP PLC REPLACEMENT	100,000
423.9002.536.614002	WELL FIELD PUMP AND MOTOR REPLACEMENT	100,000
423.9002.536.614006	PLANT PUMP AND MOTOR REPLACEMENT	10,000
423.9002.536.614007	HVAC REPLACEMENT	1,000
423.9002.536.614008	ELECTRICAL EQUIPMENT REPLACEMENT	35,000
423.9002.536.615022	ROOF REPLACEMENT WELLS 29, 30 & SB 4 PUMP STATION	30,000
423.9002.536.616045	GROUND STORAGE RESERVOIR PAINTING (3)	85,000
423.9002.536.616062	FILTER INTERIOR PAINTING	75,000
423.9002.536.616066	ELECTRICAL SYSTEM REPLACEMENT (FILTERS 7 THROUGH 11)	350,000
423.9002.536.661311	HIGH SERVICE PUMP (REPLACEMENT AND REFURB)	120,000
423.9002.536.662307	SURFICIAL WELL REPLACEMENT	250,000
423.9002.536.691340	COMPUTER	10,500
423.9002.536.692320	FILTER MEDIA REPLACEMENT (FILTERS 7 THROUGH 11)	40,000
423.9002.536.616073	2.0 MG GROUND STORAGE TANK WITH SITE WORK	195,000
423.9002.536.616074	ACCELATOR DEMOLITION & REHABILITATION (NO. 2, 3 AND 4)	630,000
423.9002.536.616075	RELOCATION OF LIME SLUDGE BEDS	200,000
423.9002.536.616076	RAW WATER LINE RELOCATION	150,000
423.9002.536.616077	SURFACE WASH PIPING REPLACEMENT	75,000
423.9002.536.616078	SB4 SYSTEM REPLACEMENT	45,000
423.9002.536.616079	ST. LUCIE COUNTY INTERCONNECT	50,000
423.9002.536.616080	RECOVERY BASIN PUMPS	30,000
423.9002.536.616081	FILTER ACTUATORS	50,000
<b>WASTEWATER REUSE</b>		
423.9004.536.610396	SCADA SYSTEM	25,000
423.9004.536.611334	REUSE METERS	7,500
423.9004.536.614009	PUMP AND MOTOR REPLACEMENT	5,000
423.9004.536.614010	ELECTRICAL PANEL REPLACEMENT	7,500
423.9004.536.616045	GROUND STORAGE RESERVOIR PAINTING (1)	45,000
423.9004.536.616082	RECLAIM WTR GRND STORAGE TNK & PMP SYS (WWTP RELOC)	150,000

## WATER SEWER R&R FUND

Account Number	Account Name	2020-2021 Budget
<b>EXPENDITURES (CONTINUED)</b>		
423.9004.536.616083	MAIN RELIEF CANAL PMP STN, MAINS, WTP RETROFIT (SB 712)	215,000
423.9004.536.616084	TIRS PUMP STATION ELECTRICAL REHABILITATION	150,000
423.9004.536.616085	AIA PIPE PIGGING	65,000
423.9004.536.601381	NUTRIENT REDUCTION STUDY	50,000
<b>ADMINISTRATION</b>		
423.9005.536.610390	COMPUTERS	3,000
<b>FACILITY MAINTENANCE</b>		
423.9007.536.601399	SOFTWARE FOR WAREHOUSE	40,000
423.9007.536.610340	SECURITY SYSTEM WAREHOUSE	25,000
423.9007.536.610390	COMPUTERS	5,000
423.9007.536.699393	TOOLS/SHOP/GARAGE/EQUIPMENT	15,000
423.9007.536.616086	MAINTENANCE BUILDING EXPANSION	420,000
<b>WASTEWATER COLLECTION</b>		
423.9010.536.602391	SERVICE TRUCK CRANES	20,000
423.9010.536.608361	LIFT STATION PUMP REPLACEMENT	35,000
423.9010.536.610390	COMPUTERS	3,000
423.9010.536.615024	TRAILER MOUNTED DIESEL PUMP	50,000
423.9010.536.615053	STEP SYSTEM CUSTOMER EQUIPMENT	250,000
423.9010.536.616053	STEP SYSTEM SERVICES	30,000
423.9010.536.616055	SEPTIC TANK NUTRIENT REMOVAL STUDY (TMDL)	50,000
423.9010.536.616056	WASTEWATER COLLECTION MISC EQUIPMENT	5,000
423.9010.536.616064	LIFT STATION CONTROLLERS	10,000
423.9010.536.616068	IN-PLACE LIFT STATION GENERATORS	120,000
423.9010.536.668361	ELECTRICAL PANEL REPLACEMENT	30,000
423.9010.536.671361	GRAVITY SEWER REHABILITATION	250,000
423.9010.536.616087	STEP SYSTEM FORCE MAINS (OUTSIDE CITY LIMITS) - SB 712	500,000
423.9010.536.616088	MOCKINGBIRD DRIVE FORCE MAIN REPLACEMENT	100,000
423.9010.536.616089	LIFT STATION SCADA	50,000
423.9010.536.616090	WW COLLECTION SVC VEHICLES (TRCKS/TRAILERS/ROLLING STCK)	379,000
423.9010.536.616091	CAMERA INSPECTION EQUIP (MANHOLE INSPECTION CAMERA)	90,000
<b>WATER DISTRIBUTION</b>		
423.9011.536.608334	WATER DISTRIBUTION METERS	60,000
423.9011.536.610390	COMPUTERS	3,000

## WATER SEWER R&R FUND

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Account Number	Account Name	2020-2021 Budget
<b>EXPENDITURES (CONTINUED)</b>		
423.9011.536.611331	LINE & SERVICE REPLACEMENT	250,000
423.9011.536.616045	GROUND STORAGE RESERVOIR PAINTING (2)	65,000
423.9011.536.616050	WATER DISTRIBUTION SERVICE VEHICLES	160,000
423.9011.536.616056	WATER DISTRIBUTION MISC EQUIPMENT	5,000
423.9011.536.641411	UTILITY LINE LOCATOR	25,000
<b>CUSTOMER SERVICE</b>		
423.9012.536.615045	CUSTOMER SVC BILLING SOFTWARE IMPRVMTS/UPDATES	203,650
423.9012.536.616069	CUSTOMER SERVICE MOBILE RADIO REPLACEMENT	12,000
423.9012.536.616092	CUSTOMER SERVICE - ITRON SOFTWARE UPDATE	5,000
423.9012.536.641416	CUST SVC VEH LEASE-PURCHASE DEBT SVC	13,192
<b>Total Expenditures</b>		<u><u>\$ 8,724,842</u></u>

**Note: Please see Five Year Capital Program book for project descriptions and five year funding**



# **WATER & SEWER FUND**

**CITY OF VERO BEACH  
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**FUND 423: Water Sewer R/R Fund**

Account Number	Account Name	FY 19-20			FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
		ORIGINAL BUDGET	BUDGET INCREASE (DECREASE)	AMENDED FY 19-20 BUDGET					
<b>FUND BALANCE FORWARD (OCTOBER 1)</b>		<b>2,795,988</b>		<i>Audited</i> <b>5,344,167</b>	<b>3,979,678</b>	<b>2,169,836</b>	<b>350,990</b>	<b>376,657</b>	<b>1,101,766</b>
<b>REVENUES</b>									
423.0000.343.060900	WATER IMPACT FEES	175,000	(25,000)	150,000	175,000	175,000	175,000	175,000	175,000
423.0000.343.061000	SEWER IMPACT FEES	125,000	30,000	155,000	130,000	135,000	140,000	145,000	145,000
423.0000.343.061600	WASTEWATER UTILITY EXTENSION CHARGES	15,000	5,000	20,000	20,000	20,000	20,000	10,000	10,000
423.0000.343.062000	STEP SYSTEM PREPAYMENTS	275,000	-	275,000	275,000	275,000	275,000	275,000	275,000
423.0000.361.010100	INTEREST INCOME-SPECIAL ASSESSMENTS	3,000	-	3,000	3,000	3,000	3,000	3,000	3,000
423.0000.363.000100	PENALTY INCOME	500	-	500	500	500	500	500	500
423.0000.365.090150	SALE OF SURPLUS VEHICLES	-	-	-	10,000	10,000	10,000	-	-
423.0000.382.000300	CONTRIBUTION FROM W/S REV FUND	1,700,000	-	1,700,000	1,800,000	5,000,000	2,500,000	2,000,000	1,800,000
423.0000.384.000100	PROCEEDS FROM BORROWING (WWTP RELOCATION)	-	-	-	1,050,000	14,475,000	21,000,000	19,000,000	2,600,000
423.0000.384.000100	PROCEEDS FROM BORROWING (CANAL PUMP STATION & WTP RETROFIT-SB 712)	-	-	-	1,450,000	-	-	-	-
423.0000.384.000100	PROCEEDS FROM BORROWING (STEP SYSTEM FORCE MAINS OUTSIDE CITY LIMITS)-SB 712	-	-	-	2,000,000	-	-	-	-
423.0000.383.000100	VEHICLE LEASE-PURCHASE PROCEEDS	-	-	-	-	-	46,000	47,000	47,600
423.0000.389.000800	STEP SYSTEM SPECIAL ASSESSMENT REVENUE	1,500	-	1,500	1,500	1,500	1,500	1,500	1,500
Total Revenues		2,295,000	10,000	2,305,000	6,915,000	20,095,000	24,171,000	21,657,000	5,057,600
<b>EXPENDITURES</b>									
<b>WASTEWATER TREATMENT</b>									
423.9000.536.601341	FORKLIFT	37,000	-	37,000	-	-	-	-	-
423.9000.536.610390	COMPUTERS	3,000	-	3,000	10,500	1,500	1,500	1,500	1,500
423.9000.536.611334	WASTEWATER TREATMENT PLANT METERS	20,000	-	20,000	5,000	5,000	5,000	5,000	5,000
423.9000.536.611389	AERATOR HANDRAILS	50,000	(50,000)	-	-	-	-	-	-
423.9000.536.611397	SECURITY CAMERA SYSTEM	40,000	(20,000)	20,000	-	-	-	-	-
423.9000.536.613001	PLANT AUTOMATION (OPTIMIZATION STUDY)	1,000	(1,000)	-	-	-	-	-	-
423.9000.536.614004	PUMP AND MOTOR REPLACEMENT	5,000	-	5,000	5,000	5,000	5,000	5,000	5,000
423.9000.536.614005	ELECTRICAL EQUIPMENT REPLACEMENT	5,000	-	5,000	5,000	5,000	5,000	5,000	5,000
423.9000.536.615014	HVAC REPLACEMENT	1,000	9,050	10,050	1,000	1,000	1,000	1,000	1,000
423.9000.536.615016	AUTOMATIC GATE OPENER WITH SECURITY SYSTEM	-	3,679	3,679	-	-	-	-	-
423.9000.536.616065	WWTP REPLACEMENT	550,000	(550,000)	-	-	-	-	-	-
423.9000.536.616072	WATER RECLAMATION FACILITY - ENGINEERING (WWTP RELOCATION)	-	-	-	900,000	1,000,000	1,000,000	1,000,000	250,000
423.9000.536._____	WATER RECLAMATION FACILITY - CONSTRUCTION (WWTP RELOCATION)	-	-	-	-	6,500,000	20,000,000	18,000,000	2,350,000
423.9000.536._____	WATER RECLAMATION FACILITY - ONSITE FORCE MAINS AIRPORT (WWTP RELOCATION)	-	-	-	-	250,000	-	-	-
423.9000.536.663380	HEADWORKS BOX REPAIR	35,000	(35,000)	-	-	-	-	-	-
423.9000.536.669380	BLOWER REPLACEMENT	1,000	(1,000)	-	-	-	-	-	-

**CITY OF VERO BEACH  
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**FUND 423: Water Sewer R/R Fund**

Account Number	Account Name	FY 19-20			FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
		FY 19-20 ORIGINAL BUDGET	BUDGET INCREASE (DECREASE)	AMENDED FY 19-20 BUDGET					
<b>WATER TREATMENT</b>									
423.9002.536.601302	WELL FIELD GENERATORS (REPLACE PORTABLES)	150,000	(120,000)	30,000	120,000	-	-	-	-
423.9002.536.602391	EXTERIOR PAINTING OF BUILDINGS	100,000	(50,000)	50,000	50,000	-	-	-	-
423.9002.536.602393	SLAKER ROOM FLOOR EPOXY COATING REPAIR	-	-	-	50,000	-	-	-	-
423.9002.536.608304	DOOR REPLACEMENT	95,000	(95,000)	-	95,000	-	-	-	-
423.9002.536.610340	SECURITY SYSTEM	40,000	(20,000)	20,000	20,000	-	-	-	-
423.9002.536.610396	SCADA SYSTEM REPLACEMENT	35,000	(20,000)	15,000	20,000	-	-	-	350,000
423.9002.536.611305	CAUSTIC TANK REPLACEMENT	15,000	(15,000)	-	50,000	-	-	-	-
423.9002.536.611306	FLUORIDE TANK REPLACEMENT	30,000	(30,000)	-	30,000	-	-	-	-
423.9002.536.611307	PIPE PAINTING (FILTER BAYS)	150,000	(125,000)	25,000	50,000	-	-	-	-
423.9002.536.611334	WATER PLANT AND WELL FIELD METERS	30,000	-	30,000	30,000	30,000	30,000	30,000	30,000
423.9002.536.612310	RO PLANT GENERATOR REPLACEMENT	680,000	(650,000)	30,000	650,000	-	-	-	-
423.9002.536.613010	HIGH SERVICE PUMP PLC REPLACEMENT	25,000	(25,000)	-	100,000	-	-	-	-
423.9002.536.614002	WELL FIELD PUMP AND MOTOR REPLACEMENT	10,000	-	10,000	100,000	100,000	50,000	25,000	25,000
423.9002.536.614006	PLANT PUMP AND MOTOR REPLACEMENT	10,000	-	10,000	10,000	10,000	10,000	10,000	10,000
423.9002.536.614007	HVAC REPLACEMENT	1,000	-	1,000	1,000	1,000	1,000	1,000	1,000
423.9002.536.614008	ELECTRICAL EQUIPMENT REPLACEMENT	10,000	-	10,000	35,000	35,000	10,000	10,000	10,000
423.9002.536.615018	SECURITY GATE AND CONTROLLER	-	25,987	25,987	-	-	-	-	-
423.9002.536.615022	ROOF REPLACEMENT WELLS 29, 30 & SB 4 PUMP STATION	85,000	(65,000)	20,000	30,000	-	-	-	-
423.9002.536.616045	GROUND STORAGE RESERVOIR PAINTING (3)	85,000	(85,000)	-	85,000	150,000	-	-	-
423.9002.536.616062	FILTER INTERIOR PAINTING	-	-	-	75,000	-	-	-	-
423.9002.536.616066	ELECTRICAL SYSTEM REPLACEMENT (FILTERS 7 THROUGH 11)	50,000	(50,000)	-	350,000	-	-	-	-
423.9002.536.616071	WTP GROUND STORAGE TANK 2 RESTORATION	-	141,712	141,712	-	-	-	-	-
423.9002.536.661311	HIGH SERVICE PUMP (REPLACEMENT AND REFURB)	-	7,500	7,500	120,000	-	-	-	-
423.9002.536.662307	SURFICIAL WELL REPLACEMENT	135,000	-	135,000	250,000	250,000	150,000	150,000	150,000
423.9002.536.691340	COMPUTER	3,000	-	3,000	10,500	1,500	1,500	1,500	1,500
423.9002.536.692307	RO SUPPLY WELLS	40,000	-	40,000	-	-	-	-	-
423.9002.536.692320	FILTER MEDIA REPLACEMENT (FILTERS 7 THROUGH 11)	25,000	(25,000)	-	40,000	-	-	-	-
423.9002.536.693308	RO PLANT PRODUCTION WELL (FLORIDAN)	-	-	-	-	100,000	850,000	-	-
423.9002.536.616073	2.0 MG GROUND STORAGE TANK with SITE WORK	-	-	-	195,000	1,950,000	-	-	-
423.9002.536.616074	ACCELATOR DEMOLITION & REHABILITATION (NO. 2, 3 and 4)	-	35,000	35,000	630,000	500,000	-	-	-
423.9002.536.616075	RELOCATION OF LIME SLUDGE BEDS	-	-	-	200,000	-	-	-	-
423.9002.536.616076	RAW WATER LINE RELOCATION	-	-	-	150,000	-	-	-	-
423.9002.536.616077	SURFACE WASH PIPING REPLACEMENT	-	-	-	75,000	-	-	-	-
423.9002.536.616078	SB4 SYSTEM REPLACEMENT	-	-	-	45,000	350,000	-	-	-
423.9002.536.616079	ST. LUCIE COUNTY INTERCONNECT	-	-	-	50,000	-	-	-	-
423.9002.536.616080	RECOVERY BASIN PUMPS	-	-	-	30,000	-	-	-	-
423.9002.536.616081	FILTER ACTUATERS	-	-	-	50,000	-	-	-	-

**CITY OF VERO BEACH  
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**FUND 423: Water Sewer R/R Fund**

Account Number	Account Name	FY 19-20			FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
		ORIGINAL BUDGET	BUDGET INCREASE (DECREASE)	AMENDED FY 19-20 BUDGET					
<b>WASTEWATER REUSE</b>									
423.9004.536.610371	HIGH SERVICE PUMPS	65,000	24,000	89,000	-	-	-	-	-
423.9004.536.610396	SCADA SYSTEM	50,000	(25,000)	25,000	25,000	-	-	-	-
423.9004.536.611334	REUSE METERS	7,500	-	7,500	7,500	7,500	7,500	7,500	7,500
423.9004.536.614009	PUMP AND MOTOR REPLACEMENT	5,000	-	5,000	5,000	5,000	5,000	5,000	5,000
423.9004.536.614010	ELECTRICAL PANEL REPLACEMENT	7,500	-	7,500	7,500	7,500	7,500	7,500	7,500
423.9004.536.616045	GROUND STORAGE RESERVOIR PAINTING (1)	-	-	-	45,000	-	-	-	-
423.9004.536.616082	RECLAIMED WATER GROUND STORAGE TANK AND PUMP SYSTEM (WWTP RELOCATION)	-	-	-	150,000	6,725,000	-	-	-
423.9004.536.616083	MAIN RELIEF CANAL PUMP STATION, MAINS, WTP RETROFIT (SB 712)	-	-	-	215,000	1,235,000	-	-	-
423.9004.536.616084	TIRS PUMP STATION ELECTRICAL REHABILITATION	-	-	-	150,000	-	-	-	-
423.9004.536.616085	AIA PIPE PIGGING	-	-	-	65,000	-	-	-	-
423.9004.536.601381	NUTRIENT REDUCTION STUDY	-	-	-	50,000	-	-	-	-
<b>ADMINISTRATION</b>									
423.9005.536.610390	COMPUTERS	10,000	-	10,000	3,000	3,000	3,000	3,000	3,000
423.9005.536.611390	COPIER	8,000	-	8,000	-	-	-	-	-
<b>FACILITY MAINTENANCE</b>									
423.9007.536.601354	GENERATOR STORAGE / WAREHOUSE	-	1,390	1,390	-	-	-	-	-
423.9007.536.601391	UTILITY VAN	45,000	-	45,000	-	-	-	-	-
423.9007.536.601399	SOFTWARE FOR WAREHOUSE	40,000	(40,000)	-	40,000	-	-	-	-
423.9007.536.603395	OVERHEAD DOOR ACTUATORS	4,000	-	4,000	-	-	-	-	-
423.9007.536.610340	SECURITY SYSTEM WAREHOUSE	-	-	-	25,000	-	-	-	-
423.9007.536.610390	COMPUTERS	12,500	-	12,500	5,000	5,000	5,000	5,000	5,000
423.9007.536.616067	UTILITY CART (4WD)	12,500	138	12,638	-	-	-	-	-
423.9007.536.699393	TOOLS/SHOP/GARAGE/ EQUIPMENT	29,000	-	29,000	15,000	25,000	5,000	5,000	5,000
423.9007.536.616086	MAINTENANCE BUILDING EXPANSION	-	-	-	420,000	-	-	-	-
<b>WASTEWATER COLLECTION</b>									
423.9010.536.601391	UTILITY VAN	45,000	-	45,000	-	-	-	-	-
423.9010.536.602391	SERVICE TRUCK CRANES	-	-	-	20,000	-	-	-	-
423.9010.536.608361	LIFT STATION PUMP REPLACEMENT	35,000	-	35,000	35,000	35,000	35,000	35,000	35,000
423.9010.536.610390	COMPUTERS	3,000	-	3,000	3,000	3,000	3,000	3,000	3,000
423.9010.536.615024	TRAILER MOUNTED DIESEL PUMP	50,000	(50,000)	-	50,000	-	-	-	-
423.9010.536.615052	HYBRID STEP (SEPTIC TANK EFFLUENT PUMP) SYSTEM	-	654	654	-	-	-	-	-
423.9010.536.615053	STEP SYSTEM CUSTOMER EQUIPMENT	250,000	-	250,000	250,000	250,000	250,000	250,000	250,000
423.9010.536.616053	STEP SYSTEM SERVICES	30,000	-	30,000	30,000	30,000	30,000	30,000	30,000
423.9010.536.616054	43RD AVENUE FORCE MAIN REPLACEMENT (18TH TO 26TH)	-	426,380	426,380	-	-	-	-	-
423.9010.536.616055	SEPTIC TANK NUTRIENT REMOVAL STUDY (TMDL)	-	-	-	50,000	-	-	-	-
423.9010.536.616056	WASTEWATER COLLECTION MISC EQUIPMENT	24,500	-	24,500	5,000	5,000	5,000	5,000	5,000
423.9010.536.616064	LIFT STATION CONTROLLERS	20,000	-	20,000	10,000	10,000	10,000	10,000	10,000
423.9010.536.616068	IN-PLACE LIFT STATION GENERATORS	60,000	(60,000)	-	120,000	150,000	150,000	150,000	150,000
423.9010.536.668361	ELECTRICAL PANEL REPLACEMENT	30,000	-	30,000	30,000	30,000	30,000	30,000	30,000
423.9010.536.671361	GRAVITY SEWER REHABILITATION	150,000	-	150,000	250,000	350,000	450,000	500,000	600,000
423.9010.536.616087	STEP SYSTEM FORCE MAINS (OUTSIDE CITY LIMITS)- SB 712	-	-	-	500,000	1,000,000	500,000	-	-
423.9010.536.616088	MOCKINGBIRD DRIVE FORCE MAIN REPLACEMENT	-	-	-	100,000	-	-	-	-
423.9010.536.616050	LIFT STATION SERVICE TRUCKS	-	75,000	75,000	-	-	-	-	-
423.9010.536.616089	LIFT STATION SCADA	-	-	-	50,000	50,000	50,000	50,000	50,000
423.9010.536.616090	WASTEWATER COLLECTION SERVICE VEHICLES (TRUCKS/TRAILERS/ROLLING STOCK)	-	-	-	379,000	350,000	-	-	-
423.9010.536.616091	CAMERA INSPECTION EQUIPMENT (MANHOLE INSPECTION CAMERA)	-	-	-	90,000	-	-	-	-

**CITY OF VERO BEACH  
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**FUND 423: Water Sewer R/R Fund**

Account Number	Account Name	FY 19-20			FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25
		FY 19-20 ORIGINAL BUDGET	BUDGET INCREASE (DECREASE)	AMENDED FY 19-20 BUDGET					
<b>WATER DISTRIBUTION</b>									
423.9011.536.608334	WATER DISTRIBUTION METERS	60,000	-	60,000	60,000	60,000	60,000	60,000	60,000
423.9011.536.610390	COMPUTERS	3,000	-	3,000	3,000	3,000	3,000	3,000	3,000
423.9011.536.611331	LINE & SERVICE REPLACEMENT	250,000	(100,000)	150,000	250,000	250,000	350,000	450,000	600,000
423.9011.536.616045	GROUND STORAGE RESERVOIR PAINTING (2)	65,000	65,000	130,000	65,000	65,000	-	-	-
423.9011.536.616050	WATER DISTRIBUTION SERVICE VEHICLES	60,000	5,000	65,000	160,000	-	-	-	-
423.9011.536.616056	WATER DISTRIBUTION MISC EQUIPMENT	8,000	-	8,000	5,000	5,000	5,000	5,000	5,000
423.9011.536.616057	VALVE EXERCISE SYSTEM REPLACEMENT	105,000	9,676	114,676	-	-	-	-	-
423.9011.536.616059	SOUTH HAMPTON SUBDIVISION OFF SITE IMPROVEMENTS	50,000	(50,000)	-	-	-	-	-	-
423.9011.536.616061	43RD AVENUE WATER LINE REPLACEMENT (18TH TO 26TH)	-	991,569	991,569	-	-	-	-	-
423.9011.536.641411	UTILITY LINE LOCATOR	-	-	-	25,000	5,000	5,000	5,000	5,000
<b>CUSTOMER SERVICE</b>									
423.9012.536.615045	CUSTOMER SVC BILLING SOFTWARE IMPRVMTS/UPDATES	203,650	(172,421)	31,229	203,650	-	-	-	-
423.9012.536.616069	CUSTOMER SERVICE MOBILE RADIO REPLACEMENT	12,000	(12,000)	-	12,000	-	-	-	-
423.9012.536.616092	CUSTOMER SERVICE - ITRON SOFTWARE UPDATE	-	-	-	5,000	-	-	-	-
423.9012.536.641415	CUST SVC VEH LEASE-PURCHASE	-	-	-	-	-	46,000	47,000	47,600
423.9012.536.641416	CUST SVC VEH LEASE-PURCHASE DEBT SVC	27,839	(814)	27,025	13,192	4,846	10,333	20,891	31,582
Total Expenditures		4,389,989	(720,500)	3,669,489	8,724,842	21,913,846	24,145,333	20,931,891	5,143,182
Excess (Deficiency) of Revenues over Expenditures		(2,094,989)		(1,364,489)	(1,809,842)	(1,818,846)	25,667	725,109	(85,582)
<b>ENDING FUND BALANCE (SEP 30)</b>		<b>700,999</b>		<b>3,979,678</b>	<b>2,169,836</b>	<b>350,990</b>	<b>376,657</b>	<b>1,101,766</b>	<b>1,016,184</b>

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Treatment</b>

**PROJECT NAME** Computer  
**ACCOUNT #** 423.9000.536.610390

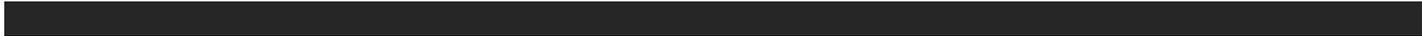
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 1,500 to \$ 10,500 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant Operations Lab

**PROJECT DESCRIPTION**  
 PC Replacement. Replacement of SCADA Server

**JUSTIFICATION**  
 Replacement of failed PC's as needed. Replacement of the WWTP primary SCADA Server. This request is in accordance with Information Systems' PC Replacement Program.



**PROJECT NAME** Wastewater Treatment Plant Meters  
**ACCOUNT #** 423.9000.536.611334

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Replacement of various plant meters for process control and regulatory compliance.

**JUSTIFICATION**  
 Normally, plant process meters are repaired and costs are covered under appropriate operating funds. However, occasionally, meters need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Treatment</b>

**PROJECT NAME** Pump and Motor Replacement  
**ACCOUNT #** 423.9000.536.614004

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Pump and Motor Replacements at Wastewater Treatment Plant

**JUSTIFICATION**  
 Normally, pumps are repaired and costs are covered under appropriate operating funds. However, occasionally, pumps and/or motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**PROJECT NAME** Electrical Equipment Replacement  
**ACCOUNT #** 423.9000.536.614005

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Electrical Equipment Replacement at Wastewater Treatment Plant

**JUSTIFICATION**  
 Normally, electrical equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, electrical equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Treatment</b>

**PROJECT NAME** HVAC Replacement  
**ACCOUNT #** 423.9000.536.615014

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  X Replace  X

**TOTAL PROJECT COST** \$ 1,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 HVAC Replacement at Wastewater Treatment Plant

**JUSTIFICATION**

Normally, HVAC equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, HVAC equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**PROJECT NAME** Water Reclamation Facility - Engineering (WWTP Relocation)  
**ACCOUNT #** 423.9000.536.616072

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 4,150,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 New Water Reclamation Facility to be location at Water Treatment Plant/Airport Area

**PROJECT DESCRIPTION**  
 Replace current Wastewater Treatment Plant with new Water Reclamation Facility (Engineering)

**JUSTIFICATION**

City Council (at their regular meeting of 4/7/20) unanimously voted to construct a new Water Reclamation Facility. Refer to 5 Year Detail Worksheet for disbursement per year.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Treatment</b>

**PROJECT NAME** Water Reclamation Facility - Construction (WWTP Relocation)  
**ACCOUNT #** 423.9000.536.\_\_\_\_\_

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 46,850,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 New Water Reclamation Facility to be location at Water Treatment Plant/Airport Area

**PROJECT DESCRIPTION**  
 Replace current Wastewater Treatment Plant with new Water Reclamation Facility (Construction)

**JUSTIFICATION**  
 City Council (at their regular meeting of 4/7/20) unanimously voted to construct a new Water Reclamation Facility. Refer to 5 Year Detail Worksheet for disbursement per year.

<b>PROJECT NAME</b>	<b>Water Reclamation Facility - On-Site Force Mains Airport (WWTP Relocation)</b>
<b>ACCOUNT #</b>	<b>423.9000.536._____</b>

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 250,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant/Airport Area

**PROJECT DESCRIPTION**  
 Replace current Wastewater Treatment Plant with new Water Reclamation Facility (On-Site Force Mains Airport)

**JUSTIFICATION**  
 City Council (at their regular meeting of 4/7/20) unanimously voted to construct a new Water Reclamation Facility. Refer to 5 Year Detail Worksheet for disbursement per year.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Well Field Generators (Replace 2 Portables)  
**ACCOUNT #** 423.9002.536.601302

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 157,694 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Replacement of two (2) Water Treatment Plant portable generators.

**JUSTIFICATION**

Replacement of two portable generators required by state regulations to supply emergency power during hurricanes and other power outages with two fixed in-place generators. Existing 27 year old units will have reached the end of their service lives.

**PROJECT NAME** Exterior Painting of Buildings  
**ACCOUNT #** 423.9002.536.602391

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 100,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Water Treatment Plant Exterior Painting of Buildings.

**JUSTIFICATION**

Routine painting for aesthetics and asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Slaker Room Floor Epoxy Coating Repair  
**ACCOUNT #** 423.9002.536.602393

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  X Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant Slaker Room

**PROJECT DESCRIPTION**  
 Water Treatment Plant Slaker Room Floor Epoxy Coating Repair

**JUSTIFICATION**  
 Routine painting for aesthetics and to protect concrete.

**PROJECT NAME** Door Replacement  
**ACCOUNT #** 423.9002.536.608304

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 95,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Water Treatment Plant door replacement.

**JUSTIFICATION**  
 Replacement of 20 doors is required due to corrosion.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Security System  
**ACCOUNT #** 423.9002.536.610340

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 40,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Upgrade and expand CCTV System at the Water Treatment Plant.

**JUSTIFICATION**

Existing CCTV system has reached the end of it's expected lifespan. Expansion of system to include the Field Services and Maintenance Buildings.

**PROJECT NAME** SCADA System Replacement  
**ACCOUNT #** 423.9002.536.610396

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 385,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Supervisory Control and Data Acquisition (SCADA) Replacement. Replace Remote Telemetry Units located at well and pumping facilities. Upgrade associated HMI software integration.

**JUSTIFICATION**

The SCADA system enables staff to monitor and control treatment facilities, wells and other remote equipment and facilities. This replacement is necessary due to obsolescence of hardware and software, cyber security concerns as well as reliability issues. Future security requirements cannot be met with existing hardware.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Caustic Tank Replacement  
**ACCOUNT #** 423.9002.536.611305

**TYPE OF EXPENSE**

New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
Source/Agency N/A

**PROJECT LOCATION**  
Water Treatment Plant

**PROJECT DESCRIPTION**  
Water Treatment Plant Caustic Tank Replacement.

**JUSTIFICATION**  
Current 25 year old 10,000 gallon caustic storage tank is at the end of it lifecycle and requires replacement to maintain environmental compliance.

<b>PROJECT NAME</b>	<b>Fluoride Tank Replacement</b>
<b>ACCOUNT #</b>	<b>423.9002.536.611306</b>

**TYPE OF EXPENSE**

New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 30,000 **GRANT FUNDING** Amount \$ -  
Source/Agency N/A

**PROJECT LOCATION**  
Water Treatment Plant

**PROJECT DESCRIPTION**  
Water Treatment Plant Fluoride Tank Replacement.

**JUSTIFICATION**  
Current 5,600 gallon Fluoride storage tank is at the end of it lifecycle and requires a thorough cleaning and inspection to determine if it needs replacement.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Pipe Painting (Filter Bays)  
**ACCOUNT #** 423.9002.536.611307

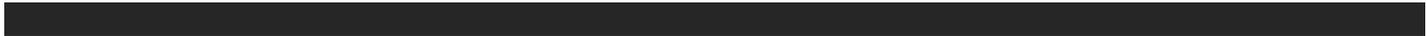
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  X Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant Filter Bays

**PROJECT DESCRIPTION**  
 Painting of Water Treatment Plant Pipe Filter Bays.

**JUSTIFICATION**  
 Routine painting for aesthetics and corrosion protection.



**PROJECT NAME** Water Plant and Well Field Meters  
**ACCOUNT #** 423.9002.536.611334

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 30,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Water Treatment Plant and Well Field Meters

**JUSTIFICATION**  
 Normally, plant process and wellfield meters are repaired and costs are covered under appropriate operating funds. However, occasionally, meters need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** RO Plant Generator Replacement  
**ACCOUNT #** 423.9002.536.612310

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 688,434 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 RO Plant

**PROJECT DESCRIPTION**  
 RO Plant Emergency Generator (1000 KW) Replacement

**JUSTIFICATION**

Replacement of the RO Plant Emergency Generator that has been in service since 1992 and will reach the end of its projected service life. New generator will support additional RO Plant Supply Pumps.

<b>PROJECT NAME</b>	High Service Pump PLC Replacement
<b>ACCOUNT #</b>	423.9002.536.613010

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 100,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Lime Softening Plant (LSP)

**PROJECT DESCRIPTION**  
 Lime Softening Plant (LSP) Programmable Logic Controller (PLC) replacement.

**JUSTIFICATION**

The PLC controls all automated functions and plant parameters as well as ensuring regulatory compliance. The current 21 year old PLC has reached the end of its life cycle and is nearing obsolescence. The age of this unit impedes implementation of new technologies which increase operational efficiency or may be required for regulatory compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Well Field Pump and Motor Replacement  
**ACCOUNT #** 423.9002.536.614002

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 25,000 to \$ 100,000 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Replacement of well motors and pumps.

**JUSTIFICATION**

Normally, motors and pumps are repaired and costs are covered under appropriate operating funds. However, occasionally, motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**PROJECT NAME** Plant Pump and Motor Replacement  
**ACCOUNT #** 423.9002.536.614006

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 10,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Pump and motor replacement at Water Treatment Plant

**JUSTIFICATION**

Normally, pumps and motors are repaired and costs are covered under appropriate operating funds. However, occasionally, pumps and/or motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** HVAC Replacement  
**ACCOUNT #** 423.9002.536.614007

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 1,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 HVAC replacement at Water Treatment Plant

**JUSTIFICATION**

Normally, HVAC equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, HVAC equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**PROJECT NAME** Electrical Equipment Replacement  
**ACCOUNT #** 423.9002.536.614008

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 10,000 *to* \$ 35,000 *Annual Range* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Electrical equipment replacement at Water Treatment Plant

**JUSTIFICATION**

Normally, electrical equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, electrical equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Roof Replacement Wells 29, 30 & SB 4 Pump Station  
**ACCOUNT #** 423.9002.536.615022

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various sites

**PROJECT DESCRIPTION**  
 Replacement of roofs on small buildings used for wells and pump houses.

**JUSTIFICATION**  
 Roofs are old and need to be replaced to ensure the safety of electrical equipment.

**PROJECT NAME** Ground Storage Reservoir Painting (3) (Water Treatment Plant )  
**ACCOUNT #** 423.9002.536.616045

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 235,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Painting of 3 ground storage reservoirs at the Water Treatment Plant.

**JUSTIFICATION**  
 Routine painting for aesthetics and asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Filter Interior Painting  
**ACCOUNT #** 423.9002.536.616062

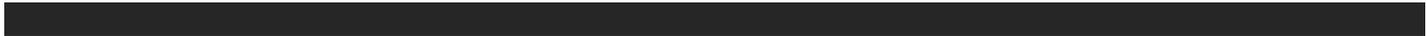
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  X Replace

**TOTAL PROJECT COST** \$ 75,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant/Lime Softening Plant)

**PROJECT DESCRIPTION**  
 Remove and replace protective coating on interior of filters.

**JUSTIFICATION**  
 Routine painting for aesthetics and asset protection.



**PROJECT NAME** Electrical System Replacement (Filters 7 through 11)  
**ACCOUNT #** 423.9002.536.616066

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 350,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Electrical System Replacement (Filters 7 through 11)

**JUSTIFICATION**  
 Replacement of electrical system for final water filtration media is required to maintain water quality and ensure regulatory compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** High Service Pump (Replacement and Refurbishment)  
**ACCOUNT #** 423.9002.536.661311

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 213,180 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Replacement of 2 High Service Pumps and Refurbishment of 2 High Service Pumps at the Water Treatment Plant

**JUSTIFICATION**

The Water treatment Plant utilizes nine High Service Pumps for distribution of potable water throughout the service area. The pump replacement phase of the project is for two 33 year old High Service Water Distribution Pumps. Due to age, existing pumps are not cost effective to refurbish. Proposed pumps will provide higher operating efficiency resulting in reduced operating costs. The second phase of the project is for refurbishment of two 16 year old High Service Water Distribution Pumps. These pumps no longer operate at their optimum efficiency due to normal wear and tear. These two pumps will be refurbished to factory standard to ensure optimum efficiency and reliability while maintaining regulatory compliance.

**PROJECT NAME** Surficial Well Replacement  
**ACCOUNT #** 423.9002.536.662307

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 150,000 to \$ 250,000 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Remove surficial water production wells

**JUSTIFICATION**

Replacement of surficial production wells that are not meeting capacity requirements and as per our Sanitary Survey.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Computer  
**ACCOUNT #** 423.9002.536.691340

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 1,500 to \$ 10,500 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 PC Replacement. Replacement SCADA Server

**JUSTIFICATION**

Replacement of failed PC's as needed. Replacement of the WTP primary SCADA Server. This request is in accordance with Information Systems' PC Replacement Program.



**PROJECT NAME** Filter Media Replacement (Filters 7 through 11)  
**ACCOUNT #** 423.9002.536.692320

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 40,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Filter Media Replacement (Filters 7 through 11)

**JUSTIFICATION**

Replacement of final water filtration media is required to maintain water quality and ensure regulatory compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** RO Plant Production Well (Floridan)  
**ACCOUNT #** 423.9002.536.693308

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 950,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Reverse Osmosis Plant (ROP)

**PROJECT DESCRIPTION**  
 RO Plant Production Well (Floridan)

**JUSTIFICATION**  
 Installation of an additional Floridan well to provide raw water to the RO Plant.

**PROJECT NAME** 2.0 MG Ground Storage Tank with Site Work  
**ACCOUNT #** 423.9002.536.616073

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 2,145,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant (Lime Softening Plant)

**PROJECT DESCRIPTION**  
 Replace 1.0 MG Ground Storage Tank with a 2.0 MG Ground Storage Tank including Site Work

**JUSTIFICATION**  
 The current 1957 (prior to codes) tank design is inadequate for uplift from wind and has cracking along the edge. We have budgeted the engineering in FY 20/21 and the construction of a new tank in FY 21/22.



**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Raw Water Line Relocation  
**ACCOUNT #** 423.9002.536.616076

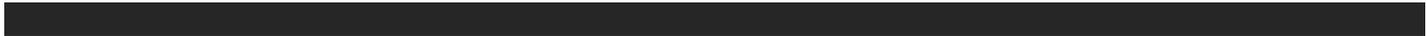
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  X Replace

**TOTAL PROJECT COST** \$ 150,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant/Reverse Osmosis Plant (ROP)

**PROJECT DESCRIPTION**  
 Raw Water Line Relocation

**JUSTIFICATION**  
 This raw water line needs to be relocated to accommodate the new Water Reclamation Facility.



**PROJECT NAME** Surface Wash Piping Replacement  
**ACCOUNT #** 423.9002.536.616077

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 75,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant/Lime Softening Plant (LSP)

**PROJECT DESCRIPTION**  
 Surface Wash Piping Replacement

**JUSTIFICATION**  
 The Surface Wash Piping is over 30 years old and has reached the end of its life cycle.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** SB4 System Replacement  
**ACCOUNT #** 423.9002.536.616078

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 395,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 South Beach

**PROJECT DESCRIPTION**  
 South Beach 4 Ground Storage Tank (GST) System Replacement

**JUSTIFICATION**  
 Replace electrical system, install a Chlorine Booster System, and install a new backup Generator System as part of refurbishment to place this GST online (increase pressure and chlorine residual in south end of service territory).



**PROJECT NAME** St. Lucie County Interconnect  
**ACCOUNT #** 423.9002.536.616079

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 South Beach

**PROJECT DESCRIPTION**  
 St. Lucie Interconnect

**JUSTIFICATION**  
 Water Main interconnect with St. Lucie County Utilities on North Hutchinson Island.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Treatment</b>

**PROJECT NAME** Recovery Basin Pumps  
**ACCOUNT #** 423.9002.536.616080

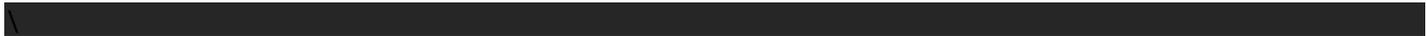
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 30,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Recovery Basin Pumps (Recovery Basin Wetwell)

**JUSTIFICATION**  
 Upgrading pump station to submersible pumps.



**PROJECT NAME** Filter Actuators  
**ACCOUNT #** 423.9002.536.616081

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant

**PROJECT DESCRIPTION**  
 Filter Actuators

**JUSTIFICATION**  
 Replace filter actuators on sand filter throughout Lime Softening Plant as needed due to end of life cycles.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Reuse</b>

**PROJECT NAME** SCADA System  
**ACCOUNT #** 423.9004.536.610396

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Replace obsolete radios, antennas and appurtenances for the reuse Supervisory Control and Data Acquisition (SCADA) System.

**JUSTIFICATION**  
 The Supervisory Control and Data Acquisition system is used to control systems and collect data at various sites throughout the reclaimed water distribution system. The existing system, installed in 1991 is obsolete and no longer serviceable. The proposed system will provide improve data collection and control to enable optimizing system operations.



**PROJECT NAME** Reuse Meters  
**ACCOUNT #** 423.9004.536.611334

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 7,500 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Replacement/repair of reuse meters.

**JUSTIFICATION**  
 Reuse system meters are replaced or repaired as warranted.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Reuse</b>

**PROJECT NAME** Pump and Motor Replacement  
**ACCOUNT #** 423.9004.536.614009

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Pump and Motor Replacement at the Wastewater Treatment Plant

**JUSTIFICATION**

Normally, pumps are repaired and costs are covered under appropriate operating funds. However, occasionally, pumps and/or motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.



**PROJECT NAME** Electrical Panel Replacement  
**ACCOUNT #** 423.9004.536.614010

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 7,500 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant

**PROJECT DESCRIPTION**  
 Electrical equipment replacement at the Wastewater Reuse Plant.

**JUSTIFICATION**

Normally, electrical equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, electrical equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Reuse</b>

**PROJECT NAME** Ground Storage Reservoir Painting (1)  
**ACCOUNT #** 423.9004.536.616045

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  X Replace

**TOTAL PROJECT COST** \$ 45,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 John's Island

**PROJECT DESCRIPTION**  
 Wastewater Reuse Plant Storage Tank Painting

**JUSTIFICATION**  
 Routine recoating for aesthetics and asset protection.

**PROJECT NAME** Reclaimed Water Ground Storage Tank and Pump System (WWTP Relocation)  
**ACCOUNT #** 423.9004.536.616082

**TYPE OF EXPENSE**  
 New  X Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 6,875,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant (Site of future Water Reclamation Facility (WRF)) (24" Reclaimed Water from WRF to Country Club Drive)

**PROJECT DESCRIPTION**  
 Reclaimed 3.0 MG Ground Storage Tanks (2) including Site Work, Reclaimed Water Pump Station, and 24" Reclaimed Water Main (WWTP Relocation)

**JUSTIFICATION**  
 As part of WRF construction.



**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Reuse</b>

**PROJECT NAME** S.R. A1A Pipe Pigging  
**ACCOUNT #** 423.9004.536.616085

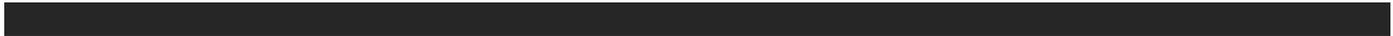
**TYPE OF EXPENSE**  
 New  X Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 65,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Along S.R. A1A North Town of Indian River Shores (TIRS)

**PROJECT DESCRIPTION**  
 S.R. A1A Pipe Pigging

**JUSTIFICATION**  
 Required to increase flow through 1960's vintage reclaimed water main along S.R. A1A in the Town of Indian River Shores.



**PROJECT NAME** Nutrient Reduction Study  
**ACCOUNT #** 423.9004.536.601381

**TYPE OF EXPENSE**  
 New  X Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 New Water Reclamation Facility (WRF).

**PROJECT DESCRIPTION**  
 Nutrient Reduction Study

**JUSTIFICATION**  
 Study required to document the amount of nitrogen and phosphorous reduction by constructing the Water Reclamation Facility (WRF). This study will be used to apply for grants through the Clean Waterways Act. This study will also be used for TMDL credits to meet the City's reduction requirements.



**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Facility Maintenance</b>

**PROJECT NAME** Software for Warehouse  
**ACCOUNT #** 423.9007.536.601399

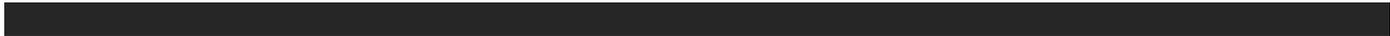
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 62,425      **GRANT FUNDING**      Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Waste and Sewer Department Warehouse (Water Treatment Plant)

**PROJECT DESCRIPTION**  
 Additional Infor Enterprise Asset Management (EAM) licenses for desktops and mobile devices.

**JUSTIFICATION**  
 As we continue to implement and expand Infor EAM, additional software licenses will be required for end users to manage the Warehouse and Purchasing modules.



**PROJECT NAME** Security System Warehouse  
**ACCOUNT #** 423.9007.536.610340

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 25,000      **GRANT FUNDING**      Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Water Treatment Plant (Maintenance Building/Warehouse)

**PROJECT DESCRIPTION**  
 Expansion of Warehouse Security System.

**JUSTIFICATION**  
 Expansion of existing Access Control and CCTV systems to include areas of the Maintenance Building utilized by the Warehouse.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Facility Maintenance</b>

**PROJECT NAME** Computers  
**ACCOUNT #** 423.9007.536.610390

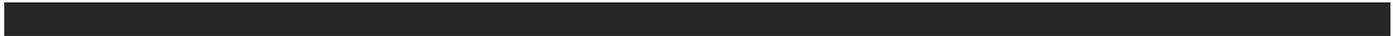
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 For use at Plants and throughout our Service Territory.

**PROJECT DESCRIPTION**  
 Computers

**JUSTIFICATION**  
 Replacement of failed computers as needed and additional units as we continue to expand our Enterprise Asset Maintenance (EAM) System.



**PROJECT NAME** Tools/Shop/Garage/Equipment  
**ACCOUNT #** 423.9007.536.699393

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *to* \$ 25,000 *Annual Range* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Treatment Plant and Water Treatment Plant

**PROJECT DESCRIPTION**  
 Replace and/or purchase new tools and equipment for our shops and garages as needed. To include a new drill press for the Water and Sewer Maintenance Building.

**JUSTIFICATION**  
 Occasionally new tools and equipment are needed or must be replaced due to end of life cycle. This will include a new drill press to replace an obsolete unit and a new barcode scanner system for the Warehouse.



**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Service Truck Cranes  
**ACCOUNT #** 423.9010.536.602391

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 20,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Throughout our sewer service territory.

**PROJECT DESCRIPTION**  
 Liftmoore Cranes for Lift Station Service Vehicles (2), Model 3612REE-15

**JUSTIFICATION**  
 These cranes are used to service lift stations and for pulling and lifting heavy pumps.

**PROJECT NAME** Lift Station Pump Replacement  
**ACCOUNT #** 423.9010.536.608361

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 35,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Throughout our sewer service territory.

**PROJECT DESCRIPTION**  
 Lift Station Pump Replacements

**JUSTIFICATION**  
 There are 248 pumps in lift stations that our department maintains. These pumps are serviced annually and repaired as needed. They have a life cycle of 10-15 years.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Computers  
**ACCOUNT #** 423.9010.536.610390

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 3,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Field Operations (Building F)

**PROJECT DESCRIPTION**  
 PC Replacement

**JUSTIFICATION**

Replacement of failed PC's as needed. This request is in accordance with Information Systems' PC Replacement Program.

**PROJECT NAME** Trailer Mounted Diesel Pump  
**ACCOUNT #** 423.9010.536.615024

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Throughout our service territory.

**PROJECT DESCRIPTION**  
 Trailer Mounted Diesel Pump

**JUSTIFICATION**

This pump will replace one of our existing trailer mounted diesel pumps that has reached the end of its life cycle.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** STEP System Customer Equipment  
**ACCOUNT #** 423.9010.536.615053

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 250,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Collection System.

**PROJECT DESCRIPTION**  
 A sewage collection system that uses a septic tank to contain and treat solids, a pump station to remove the clear effluent, and a drain field to act as a backup to the pump station for disposal of the effluent during power outages. This is the STEP System equipment (parts and components).

**JUSTIFICATION**  
 Reduce pollutant loads from septic systems that enter the Indian River Lagoon via groundwater.

**PROJECT NAME** STEP System Services  
**ACCOUNT #** 423.9010.536.616053

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 30,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Wastewater Collection System

**PROJECT DESCRIPTION**  
 A sewage collection system that uses a septic tank to contain and treat solids, a pump station to remove the clear effluent, and a drain field to act as a backup to the pump station for disposal of the effluent during power outages. These are the services connecting the Systems to the homes.

**JUSTIFICATION**  
 Reduce pollutant loads from septic systems that enter the Indian River Lagoon via groundwater.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Septic Tank Nutrient Removal Study (TMDL)  
**ACCOUNT #** 423.9010.536.616055

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish   Replace

**TOTAL PROJECT COST** \$ 50,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 In City Limits STEP System Basins.

**PROJECT DESCRIPTION**  
 Septic Tank Nutrient Removal Study (TMDL)

**JUSTIFICATION**

Study required to document the amount of nitrogen and phosphorous reduction by constructing STEP System in County area. This study will be used to apply for grants through the Clean Waterways Act. This study will also be used for TMDL credits to meet the City's reduction requirements.

**PROJECT NAME** Wastewater Collection Misc Equipment  
**ACCOUNT #** 423.9010.536.616056

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish   Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Throughout our service territory.

**PROJECT DESCRIPTION**  
 Wastewater Collection Miscellaneous Equipment (Water Jetter, Bead Blaster Dryer, & Sewer Snake)

**JUSTIFICATION**

The water jetter drain cleaning machine will be used to clean grit and sand from gravity mains and laterals. The dryer is for the bead blaster machine that will be used for shop maintenance work and equipment repairs. The sewer snake machine is needed for emergency repairs and the cleaning of sewer laterals.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Lift Station Controllers  
**ACCOUNT #** 423.9010.536.616064

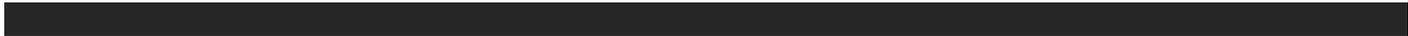
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 10,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various lift station sites throughout the sewer service territory.

**PROJECT DESCRIPTION**  
 The duplexer is a low cost, scada ready, pump controller designed to perform level control for duplex lift station applications.

**JUSTIFICATION**  
 These controllers will replace the old Allen Bradley pressure switch systems. Parts for the Allen Bradley pressure controllers are costly and difficult to find.



**PROJECT NAME** In-Place Lift Station Generators  
**ACCOUNT #** 423.9010.536.616068

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 120,000 to \$ 150,000 *Annual Range* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various lift station sites throughout the sewer Service Territory.

**PROJECT DESCRIPTION**  
 In-Place Lift Station Generators

**JUSTIFICATION**  
 These generators will be placed at critical lift stations to ensure coverage during power outages. Required as part of the Clean Waterways Act.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Electrical Panel Replacement  
**ACCOUNT #** 423.9010.536.668361

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 30,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various lift station sites.

**PROJECT DESCRIPTION**  
 Electrical panel replacement program.

**JUSTIFICATION**

This is an ongoing program to replace lift station electrical panels as warranted. Typically, these electrical panels have a service life of 30 years. The City has 128 lift stations and we replace approximately 4 panels annually.

**PROJECT NAME** Gravity Sewer Rehabilitation  
**ACCOUNT #** 423.9010.536.671361

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 250,000 to \$ 600,000 *Annual Range* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various gravity sewer sites throughout the sewer Service Territory.

**PROJECT DESCRIPTION**  
 Gravity Sewer Rehabilitation

**JUSTIFICATION**

This is our Department's ongoing program to evaluate sanitary sewer systems, document deficiencies and perform the necessary corrective actions. This will also be required by Senate Bill 712 (Clean Waterways Act).

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** STEP System Force Mains (Outside City Limits) - SB 712  
**ACCOUNT #** 423.9010.536.616087

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish   Replace

**TOTAL PROJECT COST** \$ 2,000,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various sites outside of the City Limits.

**PROJECT DESCRIPTION**  
 STEP System Force Mains (Outside City Limits)

**JUSTIFICATION**  
 Expand the STEP System project outside of the City Limits. This will be a requirement of Senate Bill 712 (Clean Waterways Act).

**PROJECT NAME** Mockingbird Drive Force Main Replacement  
**ACCOUNT #** 423.9010.536.616088

**TYPE OF EXPENSE**  
 New   Repair/Refurbish   Replace  X

**TOTAL PROJECT COST** \$ 100,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Mockingbird Drive

**PROJECT DESCRIPTION**  
 Mockingbird Drive Force Main Replacement

**JUSTIFICATION**  
 This force main has a high spot that accumulates hydrogen sulfide gas. The City has experienced a break in this line this year. We have prepared a set of drawings to replace a portion of the main.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Lift Station SCADA  
**ACCOUNT #** 423.9010.536.616089

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 50,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various lift station sites throughout the sewer Service Territory.

**PROJECT DESCRIPTION**  
 Lift Station SCADA (Supervisory Control and Data Acquisition)

**JUSTIFICATION**  
 Monitoring and collecting lift station data via Remote Telemetry Units (RTU) will reduce downtime and staff time on-site. This will be a requirement of Senate Bill 712 (Clean Waterways Act).

**PROJECT NAME** Wastewater Collection Service Vehicles (Trucks/Trailers/Rolling Stock)  
**ACCOUNT #** 423.9010.536.616090

**TYPE OF EXPENSE**  
 New  X  Repair/Refurbish  Replace  X

**TOTAL PROJECT COST** \$ 729,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various locations throughout the wastewater collection system.

**PROJECT DESCRIPTION**  
 Vacuum Truck, TV Inspection Truck, TV Inspection Van, Lift Station Pumping Truck (4,200 gallon), golf carts (2), generators (12 for STEP System), Lift Station Service Truck with hoist ready bed and toolbox, excavator and trailer.

**JUSTIFICATION**  
*\*Vacuum truck will replace current truck 91-29 which has reached the end of its life cycle. Utilized to clean gravity sewer systems for TV Inspections.*  
*\*TV Inspection Service Truck and TV Inspection Van are used for sewer line & lateral inspections (assess conditions).*  
*\*Lift Station Pumping Truck (4,200 gallon) is purposed to pump out lift stations and STEP Systems.*  
*\*Golf carts to transport portable generators, as needed, for STEP Systems during power outages and/or emergencies.*  
 Lift Station Service Truck with hoist ready bed and toolbox (2006 F350 Service Hoist Truck, Replacing unit 9803, mileage 77,000 per Central Garage's recommendation due to age.  
 Excavator and Trailer is replacing existing equipment that has reached the end of its life cycle.  
*\*This will be a requirement of Senate Bill 712 (Clean Waterways Act).*

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Wastewater Collection</b>

**PROJECT NAME** Camera Inspection Equipment/Manhole Inspection Camera  
**ACCOUNT #** 423.9010.536.616091

**TYPE OF EXPENSE**

New  X  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 90,000 **GRANT FUNDING** Amount \$ -  
Source/Agency N/A

**PROJECT LOCATION**

Various lift station sites throughout the sewer Service Territory.

**PROJECT DESCRIPTION**

Camera Inspection Equipment and Manhole Inspection Camera

**JUSTIFICATION**

Camera Inspection Equipment Utilized for sewer line and lateral inspections (assess conditions). Manhole Inspection Camera is a portable, automated manhole scanner to expedite manhole inspections and reduce confined space entry. Capable of reporting and advanced analysis. This camera equipment will be a requirement of Senate Bill 712 (Clean Waterways Act).

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Distribution</b>

**PROJECT NAME** Water Distribution Meters  
**ACCOUNT #** 423.9011.536.608334

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 60,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Various site throughout the water distribution system.

**PROJECT DESCRIPTION**  
 Water Distribution Meters

**JUSTIFICATION**  
 Approximately 1000 5/8" thru 1" water meters in the water distribution system are replaced annually to ensure accurate consumption and billing.



**PROJECT NAME** Computers  
**ACCOUNT #** 423.9011.536.610390

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 3,000 *Annual* **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Field Operations Building F

**PROJECT DESCRIPTION**  
 PC Replacement

**JUSTIFICATION**  
 Replacement of failed PC's as needed. This request is in accordance with Information Systems' PC Replacement Program.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Distribution</b>

**PROJECT NAME** Line and Service Replacements  
**ACCOUNT #** 423.9011.536.611331

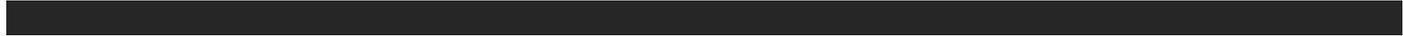
**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 250,000 to \$ 600,000 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Various site throughout the water distribution system.

**PROJECT DESCRIPTION**  
 Line and Service replacements throughout the Water Distribution System

**JUSTIFICATION**  
 This project is on-going and consists of the replacement of old galvanized, transite, and cast iron mains and service lines through out Water Distribution System.



**PROJECT NAME** Ground Storage Reservoir Painting (2)  
**ACCOUNT #** 423.9011.536.616045

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 130,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 South S.R. A1A

**PROJECT DESCRIPTION**  
 Painting of Water Distribution Ground Storage Tanks.

**JUSTIFICATION**  
 Routine recoating for aesthetics and asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Distribution</b>

**PROJECT NAME** Water Distribution Service Vehicles  
**ACCOUNT #** 423.9011.536.616050

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 160,000      **GRANT FUNDING**      Amount \$ -  
 Source/Agency      N/A

**PROJECT LOCATION**  
 Various sites throughout our Water Distribution Territory.

**PROJECT DESCRIPTION**  
 Water Distribution Service Vehicles

**JUSTIFICATION**  
 Replacements for existing vehicles as recommended by Central Garage.  
 1 Ton Crew Cab Service Truck (1)  
 Ford Transit Vans (3) - Replacement for vehicles:  
 93-10 (mileage 182,702)  
 91-96 (mileage 105,189)  
 99-09

**PROJECT NAME** Water Distribution Misc Equipment  
**ACCOUNT #** 423.9011.536.616056

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 *Annual*      **GRANT FUNDING**      Amount \$ -  
 Source/Agency      N/A

**PROJECT LOCATION**  
 Various locations throughout our Water Distribution Service Territory.

**PROJECT DESCRIPTION**  
 Water Distribution Misc Equipment (includes an Aquatap)

**JUSTIFICATION**  
 Miscellaneous equipment is required to ensure field crews can complete emergencies, daily tasks, repairs, and maintenance without interruption. This will include an Aquatap complete hot tap kit with a cordless compact drill which is used for making water line taps and installing new water services. This equipment performs taps through corp stops or any other valve from 3/4" to 2".

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Water Distribution</b>

**PROJECT NAME** Utility Line Locator  
**ACCOUNT #** 423.9011.536.641411

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 5,000 to \$ 25,000 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Various locations throughout our Water Distribution Service Territory.

**PROJECT DESCRIPTION**  
 Utility Locate and Mark Ground Penetrating Radar (GPR) System

**JUSTIFICATION**  
 This advanced technological unit will assist in streamlining our utility locates. It does not require any digging or excavating to operate. This noninvasive and versatile equipment allows us to perform locates efficiently and quickly.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Customer Service</b>

**PROJECT NAME** Customer Svc Billing Software Imprvmnts/Updates  
**ACCOUNT #** 423.9012.536.615045

**TYPE OF EXPENSE**  
 New  x Repair/Refurbish  x Replace

**TOTAL PROJECT COST** \$ 234,879 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Customer Service billing department

**PROJECT DESCRIPTION**

	FY 19-20	FY 20 -21
Complete Invoice Cloud - Online Billing Portal and Ebilling	31,229	-
Update Banking & Billing Software for Ebox	-	50,000
Update Cayenta Billing software to latest version	-	153,650
	<u>31,229</u>	<u>203,650</u>

**JUSTIFICATION**

Completion of Invoice Cloud project (placed on hold pending sale of electric utility) will provide online customer service portal, online payment and ebilling for utility customers. Implementing Ebox will improve posting of bank to bank payments. These two projects will provide more cost effective and efficient Customer Service support.

Cayenta billing software upgrade will update the City's billing system software to the latest version. Software was last updated in FY 14-15, and software must be updated periodically to the most current version to have an effective, updated and tech supported billing system

**PROJECT NAME** Customer Service Mobile Radio Replacement  
**ACCOUNT #** 423.9012.536.616069

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace  x

**TOTAL PROJECT COST** \$ 12,000 **GRANT FUNDING** Amount \$ -  
 Source/Agency N/A

**PROJECT LOCATION**  
 Customer Service field services department

**PROJECT DESCRIPTION**

To replace existing 800 MHz mobile radios to 700 MHz system.

**JUSTIFICATION**

By 2020 all Public Safety and Government agencies in Indian River County are mandated to become P25 compliant, and radio frequencies will be moved from 800MHz to 700MHz frequency band. This project will require replacement of all mobile radios.



**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS  
FISCAL YEARS ENDING 2021-2025**

<b>FUND</b>	<b>423 - Water Sewer R/R</b>
<b>DEPARTMENT</b>	<b>Customer Service</b>

**PROJECT NAME** Customer Service Vehicle Lease-Purchast Acquisition / Debt Service  
**ACCOUNT #** 423.9012.536.641415 / 641416

**TYPE OF EXPENSE**  
 New  Repair/Refurbish  Replace

**TOTAL PROJECT COST** \$ 46,000 to \$ 47,600 **GRANT FUNDING** Amount \$ -  
*Annual Range* Source/Agency N/A

**PROJECT LOCATION**  
 Customer Service field services department

**PROJECT DESCRIPTION**  
 Replace Customer Service meter & field services vehicles on 5-6 year schedule

**JUSTIFICATION**  
 By using a lease-purchase program the City keeps its vehicle fleet current and functional, which achieves savings through reductions in maintenance, repairs, fuel usage and increase value when vehicles are sold

Fiscal Year	Current Vehicle			Replacement Vehicle		
	Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2022 - 2023	12-CS18	Cust Svc	2016 Ford F-150 Pickup	Lt Pickup 1/2T	23,000	
	12-CS19	Cust Svc	2016 Ford F-150 Pickup	Lt Pickup 1/2T	23,000	
				Subtotal	\$ 46,000	\$ 10,333
2023 - 2024	12-CS20	Cust Svc	2016 Ford F-150 Pickup	Lt Pickup 1/2T	23,500	
	12-CS21	Cust Svc	2017 Ford F-150 Pickup	Lt Pickup 1/2T	23,500	
				Subtotal	\$ 47,000	\$ 10,557
2024 - 2025	12-CS22	Cust Svc	2017 Ford F-150 Pickup	Lt Pickup 1/2T	23,800	
	<i>tbd</i>	Cust Svc	2018 Ford F-150 Pickup	Lt Pickup 1/2T	23,800	
				Subtotal	\$ 47,600	\$ 10,692