

**UTILITIES
CAPITAL IMPROVEMENTS PROGRAM
FY 2023 - 2027**

(All figures in thousands of dollars)

PROJECT IDENTIFICATION	Page #	TOTAL PROJECT COST	Prior Years' Funding	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
FUNDING SOURCE: Utilities Fund current revenue of \$1.12M per policy for R&R Projects								
Water System Utility Relocation Misc. Projects	1	100	Annual	20	20	20	20	20
Watermain Renewal/Replacement Projects	2	500	Annual	100	100	100	100	100
Watermain Valve Projects	3	500	Annual	100	100	100	100	100
Wastewater Gravity Sewer Replacement Projects	4	750	Annual	150	150	150	150	150
Wastewater Lift Station Renewal/Replacement Projects	5	1,000	Annual	200	200	200	200	200
Wastewater Inflow Abatement - Rehabilitation Structures	6	1,000	Annual	200	200	200	200	200
Wastewater Force Main Renewal/Replacement Projects	7	1,750	Annual	350	350	350	350	350
R&R Projects Total		5,600	0	1,120	1,120	1,120	1,120	1,120
FUNDING SOURCE: Utilities Fund current revenues and Reserves, Grants, Impact Fees, and Financing								
Administration								
Septic to Sewer (Areas 1)	8	14,336	300	0	0	0	1,000	13,036
Utility Master Plan Water & Wastewater	9	300	0	0	0	300	0	0
Wastewater Projects								
Lift Station 30 Gravity Rehab	10	650	650	0	0	0	0	0
Henry St 14" Force Main Replacement	11	1,200	1,200	0	0	0	0	0
Riverside Dr Force Main Extension	12	1,100	1,100	0	0	0	0	0
Henry St 20" Force Main Replacement crossing at I-75	13	2,250	1,150	1,100	0	0	0	0
Piper Rd Force Main Relocation	14	200	0	200	0	0	0	0
Wastewater Nutrient Management Plan (Bio Solids)	15	300	100	0	0	0	200	0
Wastewater Treatment Plant Improvement	16	78,200	24,008	54,192	0	0	0	0
Wastewater Treatment Plant Tank Coating	17	1,400	600	0	0	0	0	800
Wastewater Treatment Plant Permit Renewal (FDEP)	18	85	0	85	0	0	0	0
Wastewater Deep Injection Well Mechanical Integrity Test (MIT)	19	85	0	0	85	0	0	0
Wastewater Deep Injection Well Permit Renewal	20	85	0	0	85	0	0	0
Wastewater Master Pump Facility Pumps Upgrade	21	600	600	0	0	0	0	0
Wastewater Generator Replacement @BPF	22	350	0	0	350	0	0	0
Wastewater Pond Liner Replacement	23	500	0	0	500	0	0	0
Wastewater Projects Total		101,641	29,708	55,577	1,020	300	1,200	13,836
Water Projects								
WTP - Water Hydrobiological Monitoring Plan (HBMP)	24	100	0	0	0	100	0	0
WTP - R.O Water Use Permit	25	200	0	0	0	0	200	0
WTP - Carbon Slurry System Replacement	26	2,300	0	0	0	300	2,000	0
WTP - Hendrickson Dam Inspection Program & Maintenance	27	90	90	0	0	0	0	0
WTP - Dewatering Sludge Press	28	600	600	0	0	0	0	0
WTP - 2 MG Storage Tank Baffle Curtain Replacement	29	500	500	0	0	0	0	0
WTP - Well Remediation	30	280	80	200	0	0	0	0
WTP - Evaluation/Rehabilitation (Filters, SCU & ALUM Tank)	31	23,123	5,823	0	17,300	0	0	0
WTP - Burnt Store Rd Booster Station Pipe Riser Repair & Pumps	32	3,550	0	250	3,300	0	0	0
WTP - RO Brine Disposal Well / Mechanical Integrity Test (MIT)	33	150	0	0	0	150	0	0
WTP - RO Brine Disposal Well (DIW) / Permit Renewal	34	85	0	0	0	0	85	0
Water - Taylor Rd Watermain Replacement Upgrade (10" to 12")	35	3,542	3,542	0	0	0	0	0
Water Tee and Green Water Main Extension	36	450	450	0	0	0	0	0
Water - Solona Watermain Replacement Upgrade	37	3,500	200	0	3,300	0	0	0
Water - Bal Harbor Water Main Replacement	38	600	0	200	400	0	0	0
Water Projects Total		39,070	11,285	650	24,300	550	2,285	0
UTILITIES CONSTRUCTION FUND TOTAL		146,311	40,993	57,347	26,440	1,970	4,605	14,956

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Utility Relocation Project To Be Determined	
Project Code:	TBD	
Account #:	411-8423-533-63-09	
Description/ Justification:	<p>FY 2023 – 2027</p> <p>Annual funds programmed to relocate water and wastewater lines to accommodate no-programmed projects and/or work performed by FDOT, Charlotte County Public Works and Punta Gorda Public Works.</p> <p>FDOT programs roadway improvements in a 5 year CIP and also performs non-programmed projects. Charlotte County Public Works and Punta Gorda Public Works also perform non-programmed projects on an as needed basis. Funds in TBD are for non-programmed projects, once a project is identified a project code and cost will be identified.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$20,000	\$0	\$4,000	\$4,000	\$4,000	\$4,000	\$4,000
Land							
Construction	\$80,000	\$0	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000
Equipment							
Total	\$100,000	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Funding Sources							
Local-UF	\$100,000	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Main Renewal/Replacement Project To Be Determined	
Project Code:	TBD	
Account #:	411-8423-533-63-21	
Description/Justification:	<p>FY 2023 – 2027</p> <p>TBD funds provide renewal and replacement of existing water mains on an as needed basis. The end of life to water mains cannot be predicted with certainty. Replacement projects are based on water main breaks and Public Works projects. Annual projects are determined by operations staff to meet immediate needs. Funds unused are released at end of year. Major water main projects are programmed individually.</p> <p>TBD projects may result from immediate need to maintain level of service to customers or to reduce costs responding to multiple repairs. Once a project is identified a project code will be created and funds will be transferred from TBD to the identified project.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$200,000	\$0	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Land							
Construction	\$300,000	\$0	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
Equipment							
Total	\$500,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Funding Sources							
Local-UF	\$500,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Main Valve Installation	
Project Code:	WMVALV	
Account #:	411-8423-533-63-21	
Description/ Justification:	<p>FY 2023 – 2027</p> <p>Project will install EZ valves on existing water main to assist in isolation of shut off during a main break to limit amount of customers affected.</p> <p>During a water main break, water shut off is needed to make repairs. Installation of Insert-a-valve will limit the amount of customers affected by isolating only the area needed for repair. Valves installed will list location and size to identify.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

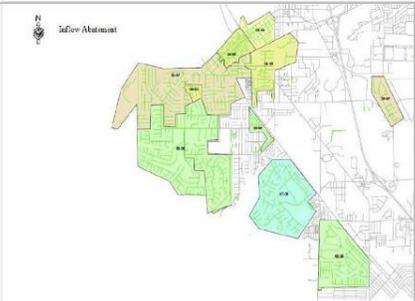
Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering							
Land							
Construction							
Equipment	\$500,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Total	\$500,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Funding Sources							
Local-UF	\$500,000	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Gravity Sewer Renewal/Replacement Project TBD	
Project Code:	TBD	
Account #:	411-8536-535-63-28	
Description/Justification:	<p>FY 2023 – 2027</p> <p>Funds in TBD provide renewal and replacement of existing gravity sewer lines and restore asphalt pavement associated with sewer replacement. Old clay pipe gravity lines are candidate projects for replacement with PVC sewer pipe. Gravity Sewer relocation is coordinated with Public Works resurfacing and paving projects.</p> <p>Renewal and/or replacement of gravity sewer is performed to maintain system capacity by reducing storm water infiltration. Clay pipe gravity sewer lines commonly contribute to storm water infiltration. Public Works projects are typically related to street reconstructions. Once a project is identified a project code will be created and funds will be transferred from TBD to the identified project.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$150,000	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000
Land							
Construction	\$600,000	\$0	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000
Equipment							
Total	\$750,000	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Funding Sources							
Local-UF	\$750,000	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Lift Station Renewal/Replacement Project To Be Determined	
Project Code:	TBD	
Account #:	411-8536-535-63-29	
Description/ Justification:	<p>FY 2023 – 2027 Annual project funds will design and construct wastewater lift station rehabilitation or improvements on an as needed basis to maintain left of service.</p> <p>The City operates 118 Lift Stations. Funds are programmed to provide improved wastewater transmission capacity identified by wastewater master plan or other studies. Project may result from immediate need to maintain level of service to customers or reduce cost responding to multiple repairs. Renewal/Replacement of equipment to lift stations is performed by staff on an as needed basis with available funding typically for components rather than complete rehabilitation/replacement of equipment of an individual lift station. Once a project is identified a project code will be created and funds will be transferred from TBD to the identified project.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$200,000	\$0	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Land							
Construction	\$800,000	\$0	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000
Equipment							
Total	\$1,000,000	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Funding Sources							
Local-UF	\$1,000,000	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

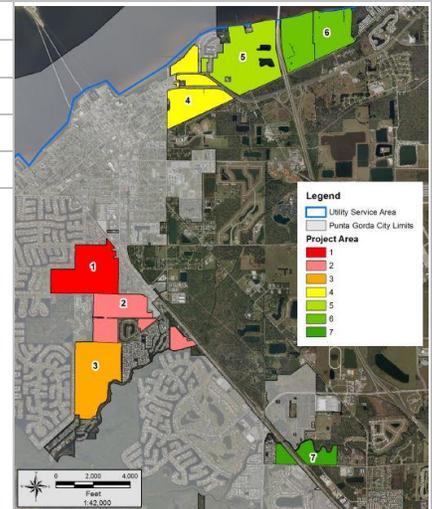
Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Inflow Abatement Rehab Structures - To Be Determined	
Project Code:	TBD	
Account #:	411-8536-535-63-56	
Description/Justification:	<p>FY 2023 – 2027</p> <p>Annual funds programmed for rehabilitation/replacement includes interior coating to manholes and wet wells, installation of manhole inflow protectors, smoke testing, grouting and lining sewer lines of the City’s wastewater collection system elements throughout the City’s service area. Project implements strategies for reducing storm water infiltration.</p> <p>Inspection, replacement and renewal of the City’s collection system will reduce infiltration and inflow, reduce collection system defects, maintain capacity, and reduce wet weather overflows. Rehabilitation work extends useful life which reduces replacement needs. Once a project is identified a project code will be created and funds will be transferred from TBD to the identified project.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$200,000	\$0	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000
Land							
Construction	\$800,000	\$0	\$160,000	\$160,000	\$160,000	\$160,000	\$160,000
Equipment							
Total	\$1,000,000	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Funding Sources							
Local-UF	\$1,000,000	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Force Main Renewal/Replacement Project To Be Determined	
Project Code:	TBD	
Account #:	411-8536-535-63-67	
Description/ Justification:	<p>FY 2023 – 2027</p> <p>Annual projects may be determined by operating staff to meet immediate needs. Projects will replace existing Ductile Iron Pipe (DIP) with PVC pipe.</p> <p>Rehabilitation and improvements to existing facilities are needed as a result of end of service life and changes to the utilities system for growth or other capital projects. Force Main breaks cannot be predicted with certainty. Once a project is identified a project code will be created and funds will be transferred from TBD to the identified project.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$350,000	\$0	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000
Land							
Construction	\$1,400,000	\$0	\$280,000	\$280,000	\$280,000	\$280,000	\$280,000
Equipment							
Total	\$1,750,000	\$0	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
Funding Sources							
Local-UF	\$1,750,000	\$0	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

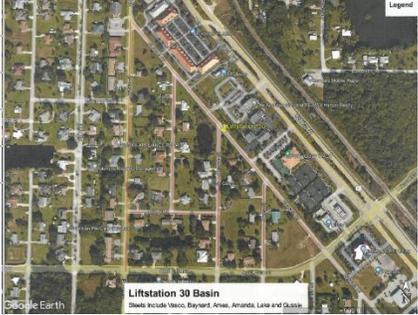
Dept/Div:	Utilities Administration
Contact:	Neil Peters
Project Title:	Septic to Sewer (Area 1)
Project Code:	S2SA1
Account #:	411-8536-535-65-03
Description/Justification:	<p>Jones Edmunds completed Septic to Sewer Master Plan June 2018. Possible funding plan was developed for gravity sewer system. Preliminary Design Report for Area 1 to evaluate alternative sewer systems and complete PDR for preferred method was issued FY21.</p> <p>FY 2026-2027 Construction Breakdown of project cost: Collection System = \$11,028,00 Transmission System = \$3,308,400</p> <p>Project will need to be financed and estimates grant revenue of 25% of collection system.</p> <p>Funding Sources to be used to repay debt: Wastewater Impact Fees, Assessments of all lots in Area 1, Portion of wastewater revenues from Area 1 customers.</p> <p>Charlotte County BCC has adopted a 10 year plan to extend central sewer to properties utilizing on-site septic tanks for wastewater disposal. Punta Gorda is seeking to work in cooperation with BCC to study and construct central sewers.</p>
Priority:	Infrastructure Sustainability
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Maximize use of new technology in applicable areas through capital budgeting procedures and investment in learning opportunities for staff.
Community Impact:	



Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$2,867,280	\$300,000	\$0	\$0	\$0	\$1,000,000	\$1,567,280
Construction	\$11,469,120	\$0	\$0	\$0	\$0	\$0	\$11,469,120
Total	\$14,336,400	\$300,000	\$0	\$0	\$0	\$1,000,000	\$13,036,400
Funding Sources							
Grants (est.) - G	\$2,750,000	\$0	\$0	\$0	\$0	\$0	\$2,750,000
Finance (est.) -RF	\$11,286,400	\$0	\$0	\$0	\$0	\$1,000,000	\$10,286,400
Local (est.) - UF	\$300,000	\$300,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Electric, R&M, and Debt Service (to begin in FY 2028)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Impacts on Revenues (negative entry indicates revenue reduction)							
Assessments	\$268,000	\$0	\$0	\$0	\$0	\$0	\$268,000
WW Impacts	\$82,000	\$0	\$0	\$0	\$0	\$0	\$82,000
WW Revenue (begin in FY 2028)	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Dept/Div:	Utilities Administration	 <p>Water & Wastewater Master Plan</p>
Contact:	Neil Peters	
Project Title:	Water and Wastewater Master Plan Update	
Project Code:	WWWMPU	
Account #:	411-0000-536-31-14	
Description/ Justification:	<p>FY 2025</p> <p>Revise water demands, identify water supply project scenarios, evaluate scenarios and recommend project(s) to meet future water and wastewater needs. Update hydraulic model and evaluate level of service standards for current year and 10 year planning.</p> <p>Water & Wastewater Master Plan was completed in 2006. Staff recommends new water and wastewater master plan to assist in identifying projects to meet future planning scenarios.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Establish a 5 year capital improvements program that ensures infrastructure is in place to meet projected growth demands and update the plan on an annual basis.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$300,000	\$0	\$0	\$0	\$300,000	\$0	\$0
Land							
Construction	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment							
Total	\$300,000	\$0	\$0	\$0	\$300,000	\$0	\$0
Funding Sources							
Local - UF	\$300,000	\$0	\$0	\$0	\$300,000	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Lift Station 30 Gravity Rehab	
Project Code:	LS30GS	
Account #:	411-8536-535-63-28	
Description/Justification:	<p>FY 2022 - Funds remaining from other annual to be determined renewal and replacement projects in order to fund this project.</p> <p>The gravity collection lines are allowing excessive stormwater into the sewer. LS 30 has excessive run times during wet weather. Inspection has determined the gravity lines, approximately 4,900 feet, should be replaced in the Lift Station 30 Basin area.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$130,000	\$130,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$520,000	\$520,000	\$0	\$0	\$0	\$0	\$0
Equipment/ Planning							
Total	\$650,000	\$650,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$650,000	\$650,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Henry Street 14" Force Main Replacement	
Project Code:	HS-FM	
Account #:	411-8536-535-63-67	
Description/Justification:	<p>FY 2021-2022</p> <p>Replace 1700 LF of 14" cast iron force main to PVC on Henry St and gravity manhole replacement at LS25 at Maud St.</p> <p>Existing 14" force main is cast iron and at the end of expected useful life. The manhole at LS25 is sinking and must be replaced as part of this project due to the alignment of the 14" force main. Replacement update to PVC will increase reliability of wastewater transmission in the Henry St alignment. All force main on Henry/Marion alignment between Bal Harbor and Bass Inlet has been upgraded to PVC.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City's infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Maximize use of technology in applicable areas through capital budgeting procedures and investment in learning opportunities for staff.	
Community Impact:		

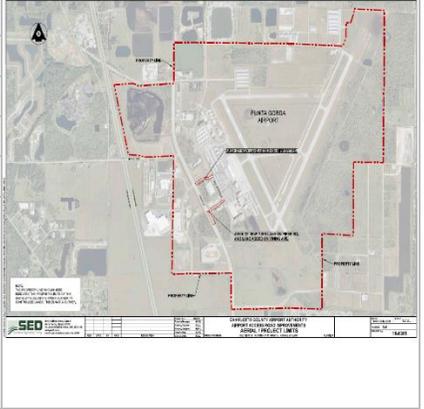
Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$700,000	\$700,000	\$0	\$0	\$0	\$0	\$0
Equipment							
Total	\$1,200,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$1,200,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Riverside Drive Force Main Extension	
Project Code:	RIVFM	
Account #:	411-8536-535-63-67	
Description/Justification:	<p>FY 2021-2023</p> <p>LP Promotions, LLC intends to develop property located within the Punta Gorda utility service area into a recreational vehicle park. The developer has proposed to design, permit, and construct a wastewater force main extension along Riverside Drive to serve the subject property as well as other developments within direct proximity. The City desires to participate in the project by providing a 75% reimbursement to the developer and to acquire, operate and maintain the force main. The City and LP Promotions, LLC have negotiated an agreement which sets the duties and responsibilities of each party with regard to the force main extension project along Riverside Drive.</p> <p>Extending a new wastewater force main along Riverside Drive will provide wastewater services to the proposed project and will facilitate wastewater services to 4 existing communities using on-site wastewater treatment and disposal facilities. The existing communities can hook up to the City sewer and decommission the on-site facilities, at a future date.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Maximize use of technology in applicable areas through capital budgeting procedures and investment in learning opportunities for staff.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Construction	\$1,100,000	\$1,100,000	\$0	\$0	\$0	\$0	\$0
Total	\$1,100,000	\$1,100,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$1,100,000	\$1,100,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
R&M and processing costs	\$8,000	\$0	\$0	\$2,000	\$2,000	\$2,000	\$2,000
Impacts on Revenues (negative entry indicates revenue reduction)							
WW Impacts and monthly revenue TBD when communities are built or hook up	TBD			TBD	TBD	TBD	TBD

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Henry Street 20" Force Main Replacement Crossing at I-75	
Project Code:	I75RFM	
Account #:	411-8536-535-63-67	
Description/Justification:	<p>FY 2022-2023</p> <p>Replace approximately 400-500 feet 18" DIP wastewater force main which crosses under I-75 with 20" PVC force main. The facility was constructed in 1981 as part of I-75 initial construction. The existing condition of the pipe is unknown.</p> <p>Replacing the DIP pipe with PVC pipe will improve pipe reliability.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City's infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$1,800,000	\$700,000	\$1,100,000				
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$2,250,000	\$1,150,000	\$1,100,000	\$0	\$0	\$0	\$0
Funding Sources							
Local – UF	\$2,250,000	\$1,150,000	\$1,100,000	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
R&M and processing costs due to increased capacity	\$4,000	\$0	\$0	\$1,000	\$1,000	\$1,000	\$1,000

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Utility Relocation - Piper Rd	
Project Code:	PIPER	
Account #:	411-8423-533-63-09	
Description/ Justification:	<p>FY 2023</p> <p>The City and Charlotte County Airport Authority (CCAA) are expected to discuss an interlocal agreement to provide funding for relocating the City’s 16” wastewater force main as part of the CCAA Piper Road Turn Lane project.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering							
Land							
Construction	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0
Equipment							
Total	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant Nutrient Management Plan (Biosolids) Land Application	
Project Code:	LANDAP	
Account #:	411-8711-535-31-14	
Description/ Justification:	<p>FY 2026</p> <p>Funds are needed for engineering services to prepare DEP permit application materials to renew permit FLA804746 and authorize land application of biosolids at the City biosolids application site 30999 Bermont Rd. Renewal of permit is required in 5 year intervals.</p> <p>The City has a 447 acre Class B biosolids Land Application site, at 30999 Bermont Road, that has been operated as biosolids application site since 1984, authorized by DEP rules and permitting. DEP bio-solids regulations provided in FAC 62-640 were revised June 21, 2021. Under current rules the permit application must provide a numeric nutrient management plan (NMP) with the application materials. Application renewal is in progress for FY 2022 with a renewal due in 2027.</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting and activities.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$300,000	\$100,000	\$0	\$0	\$0	\$200,000	\$0
Land							
Construction							
Equipment							
Total	\$300,000	\$100,000	\$0	\$0	\$0	\$200,000	\$0
Funding Sources							
Local-UF	\$300,000	\$100,000	\$0	\$0	\$0	\$200,000	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant Improvement/Expansion	
Project Code:	WWPEXP	
Account #:	411-8711-535-63-31	
Description/ Justification:	<p>The City completed an evaluation and recommendation for WWTP Improvements in 2020, negotiated FWC lease agreement extension, and engineering design and permitting in 2022.</p> <p>FY 2023 – 2027: Construction Improvements Funding sources will include wastewater impact fees and financing. Debt service will be repaid through wastewater impact fees and user fees.</p> <p>A planned approach for WWTP capacity and expansion is required by FDEP rule when the capacity of the WWTP reaches 75% of permitted capacity.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$7,200,000	\$7,200,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$71,000,000	\$16,808,000	\$54,192,000	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$78,200,000	\$24,008,000	\$54,192,000	\$0	\$0	\$0	\$0
Funding Sources							
Finance (est.) – RF	\$73,192,000	\$19,500,000	\$53,692,000	\$0	\$0	\$0	\$0
WW Impacts – UIF	\$1,200,000	\$700,000	\$500,000	\$0	\$0	\$0	\$0
Local – UF	\$3,808,000	\$3,808,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Debt Svc	\$11,150,800	\$0	\$0	\$0	\$2,230,000	\$4,460,400	\$4,460,400
Land Lease	(\$42,000)	\$0	\$0	\$0	(\$14,000)	(\$14,000)	(\$14,000)

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant Tank Coating	
Project Code:	WWP-TC	
Account #:	411-8711-535-63-31	
Description/ Justification:	<p>Replace interior coating system in our wastewater equalization tank. There are two tanks at the Master Pumping Facility and two tanks at the Booster Pumping Facility. Coating replacement is on a rotational schedule based on need every 5 years.</p> <p>FY2027 Coating of 2 tanks at the MPF.</p> <p>Coating system is needed to protect concrete surfaces from wastewater. Interior tank coating system has a warranty of 5 years. Work on MPF was performed in 2022. Annual inspection will be performed. When a coating failure is detected outside of the warranty period, the coating system will be replaced.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering							
Land							
Construction							
Equipment	\$1,400,000	\$600,000	\$0	\$0	\$0	\$0	\$800,000
Total	\$1,400,000	\$600,000	\$0	\$0	\$0	\$0	\$800,000
Funding Sources							
Local-UF	\$1,400,000	\$600,000	\$0	\$0	\$0	\$0	\$800,000
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant Operating Permit Renewal (FDEP)	
Project Code:	WWPERM	
Account #:	411-8711-535-31-14	
Description/ Justification:	<p>FY 2023 Funds are needed for engineering services to prepare permit application materials for the renewal of the WWTP. Operating Permit required and issued by Florida Department of Environmental Protection.</p> <p>Florida Department of Environmental Protection requires the WWTP to acquire an operating permit. Current operating permit (FLA118371) is valid from September 22, 2019 – September 21, 2024. Renewal of operating permit is required in 5 year intervals. Next permit renewal is due September 21, 2024. (Funding for next 5 year interval will be FY 2028)</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting, and activities.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$85,000	\$0	\$85,000	\$0	\$0	\$0	\$0
Land							
Construction							
Equipment							
Total	\$85,000	\$0	\$85,000	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$85,000	\$0	\$85,000	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant – Deep Injection Well Mechanical Integrity Testing (MIT)	
Project Code:	DWMIT	
Account #:	411-8711-535-31-14	
Description/ Justification:	<p>FY 2024</p> <p>The WWTP effluent disposal well is regulated by an Underground Injection Well (UIC) permit. Permit compliance requires Mechanical Integrity Testing (MIT) at 5 year intervals. Project will perform MIT for the required period. MIT must be performed by May 2025 prior to DIW permit renewal.</p> <p>MIT is required by UIC permit on or before May 27, 2025.</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting and activities.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0
Land							
Construction							
Equipment							
Total	\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0
Funding Sources							
Local-UF	\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant – Deep Injection Well Permit Renewal (FDEP)	
Project Code:	DWPERM	
Account #:	411-8711-535-31-14	
Description/ Justification:	<p>FY 2024</p> <p>Funds are needed for engineering services to prepare permit application materials for the renewal of the Wastewater Treatment Plant Deep Injection Well (DIW) regulated by Underground Injection Control (UIC) permit required and issued by Florida Department of Environmental Protection (FDEP). UIC/DIW permit was issued January 7, 2021 and is due to expire January 7, 2026.</p> <p>FDEP requires the Wastewater Treatment Plant to renew its' UIC permit for DIW; the next permit renewal is due prior to January 7, 2026.</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting and activities.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0
Land							
Construction							
Equipment							
Total	\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0
Funding Sources							
Local-UF	\$85,000	\$0	\$0	\$85,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant – Master Pump Facility Upgrade	
Project Code:	MPFUPG	
Account #:	411-8711-535-63-33	
Description/ Justification:	<p>FY 2022</p> <p>Upgrade and replace three wastewater pumps, piping, and electrical VFD and motor controls at the Master Pump Facility (MPF) located at 900 Henry Street.</p> <p>The existing pumps and controls were installed in 2000 and have reached end of service life. Newer pump designs will provide improved reliability and performance.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$120,000	\$120,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$480,000	\$480,000	\$0	\$0	\$0	\$0	\$0
Equipment							
Total	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant Generator Replacement at BPF	
Project Code:	WWGEN	
Account #:	411-8711-535-63-39	
Description/ Justification:	<p>FY 2024</p> <p>The wastewater transmission system uses a Booster Pump Station located at 4300 Henry Street. The pump station has (3) 250 HP pumps with capacity of 6,700 GPM. The facility requires an emergency generator. The existing generator is scheduled for replacement.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$350,000	\$0	\$0	\$350,000	\$0	\$0	\$0
Land							
Construction							
Equipment							
Total	\$350,000	\$0	\$0	\$350,000	\$0	\$0	\$0
Funding Sources							
Local-UF	\$350,000	\$0	\$0	\$350,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Wastewater Treatment Plant Pond Liner Replacement	
Project Code:	WWPOND	
Account #:	411-8711-535-63-43	
Description/ Justification:	<p>FY 2024</p> <p>The Wastewater Treatment Plant uses 3 lined ponds for temporary storage of wastewater effluent during peak flow periods. The interior pond liner should be repaired or replaced when inspections indicate excessive wear or damage.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering							
Land							
Construction	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0
Equipment							
Total	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0
Funding Sources							
Local-UF	\$500,000	\$0	\$0	\$500,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	<p>Figure 2-2 Shell Creek HBMP monitoring site locations situated downstream of the reservoir</p>
Contact:	Neil Peters	
Project Title:	Water Treatment Plant – Hydro Biological Monitoring Plan (HBMP)	
Project Code:	WPHBMP	
Account #:	411-8422-533-31-14	
Description/ Justification:	<p>FY 2025</p> <p>SWFWMD water use permit requires a sampling and testing plan to document biological conditions of Shell Creek. Testing and sampling is required on a monthly basis each year and a summary report is required on a 5 year cycle. The cost of the summary report is budgeted on a 5 year recurring cycle. Last report was completed in 2020 and the next is due in FY 2025.</p> <p>The City Water Treatment Plant (WTP) obtains source water from Shell Creek authorized by a Water Use Permit (WUP) issued by SWFWMD. The WUP requires the City to perform water quality testing, complete data, and furnish a technical report to demonstrate permitted water use complies with the regulatory standards of SWFWMD’s WUP. The composite activities consists of water sampling, testing, data analysis and preparation of a 5 year technical summary report are assigned the term Hydro Biological Monitoring Plan (HBMP)</p>	
Priority:	Quality of Life	
Goal:	Meet all water quality standards (primary and secondary).	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$0
Land							
Construction							
Equipment							
Total	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$0
Funding Sources							
Local - UF	\$100,000	\$0	\$0	\$0	\$100,000	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant Water Use Permit (SWFWMD)	
Project Code:	RO-WUP	
Account #:	411-8422-533-31-14	
Description/ Justification:	<p>FY 2026 Project will create a data review of permitting requirements and dates, close out the Aquifer Storage and Recover (ASR) Underground Injection Control (UIC), create a ground water model, develop a Well Field Management Plan, and implement a continuous well field data monitoring program.</p> <p>WUP application renewal will be 2026.</p> <p>The City obtained a Water Use Permit (WUP) from SWFWMD as a necessary part of the RO WTP project. Permit modification was issued January 2018. Special condition 6 of the WUP requires the City to implement a Wellfield Management Plan (WMP). The WMP will require 2 years to implement. A monitoring plan will be implemented after the WMP adoption.</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting and activities.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Land							
Construction							
Equipment							
Total	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Funding Sources							
Local-UF	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant – Carbon Slurry System Replacement	
Project Code:	CARBON	
Account #:	411-8422-533-63-04	
Description/Justification:	<p>FY 2025 Engineering services to evaluate the scope of improvements work necessary to restore Carbon Silo Tank.</p> <p>FY2026 Design and construct replacement for existing Carbon Silo Tank for Powder Activated Carbon (PAC). A new tank is proposed as an improved method of storing and feeding PAC.</p> <p>The existing Carbon Silo System is programmed for replacement with an improved system.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$300,000	\$0	\$0	\$0	\$300,000	\$0	\$0
Land							
Construction	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0
Equipment							
Total	\$2,300,000	\$0	\$0	\$0	\$300,000	\$2,000,000	\$0
Funding Sources							
Local-UF	\$2,300,000	\$0	\$0	\$0	\$300,000	\$2,000,000	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	WTP Hendrickson Dam Inspection Program and Management	
Project Code:	DAMINS	
Account #:	411-8422-533-63-30	
Description/Justification:	<p>FY 2023 Engineering services from a specialized engineering firm to perform dam inspection and provide inspection report documenting the condition of the dam components and recommending maintenance and rehabilitation.</p> <p>Staff recommends inspection of the dam in 2023. Carry over funds programmed for dam inspections will be utilized.</p> <p>Hendrickson Dam impounds water from Shell Creek to provide a water supply reservoir for the WTP. The dam was constructed in 1965 and a major rehabilitation of the spillway was completed in 2010 and a Dam Inspection and repair of leaky joints was completed in 2017.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient and effective service delivery and quality aesthetic appeal. Apply best management practices and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$90,186	\$90,186	\$0	\$0	\$0	\$0	\$0
Land							
Construction							
Equipment							
Total	\$90,186	\$90,186	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local – UF	\$90,186	\$90,186	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant – Dewatering Sludge Press Replacement	
Project Code:	WPSLPR	
Account #:	411-8422-533-64-30	
Description/Justification:	<p>FY 2022-2023</p> <p>Project will consist of replacement of the existing sludge press.</p> <p>WTP purchased a refurbished 1989 Ashbrook 2.2 meter press back in September, 2003. The de-watering sludge press is at its life expectancy and is programmed to be replaced.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

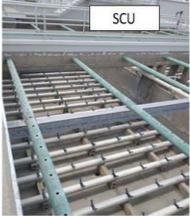
Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering							
Land							
Construction							
Equipment	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0
Total	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant – 2 mg Storage Tank Baffle Curtain Replacement	
Project Code:	WP2MGT	
Account #:	411-8422-533-65-02	
Description/Justification:	<p>FY 2022-2023</p> <p>Replace 3 baffle curtains due to deterioration and age.</p> <p>The 2 MG storage tank was placed into service in January, 1996. Regulatory inspection of the tanks is performed every 5 years. Inspection of storage tank completed 8/5/20 identified 1 of the 3 baffle curtains to be in bad shape and the other 2 baffle curtains are approaching end of life.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering							
Land							
Construction							
Equipment	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0
Total	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UF	\$500,000	\$500,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant Well Remediation	
Project Code:	RO-WELL	
Account #:	411-8422-533-65-02	
Description/ Justification:	<p>FY 2022 – 2023</p> <p>The WTP operates a brackish water well field for water supply to the RO treatment facilities. Well 4 has exhibited a steady increase in TDS concentrations over the past 12 months of monitoring. The TDS values exceed levels established in the City Water Use Permit. This project will investigate the well and design a well remediation plan, followed by a well remediation project. The intention will be to case-off elevated TDS zones, and enhance water production from more favorable water production zones.</p> <p>Engineering Services to perform well testing and evaluation of Well 4 is currently in progress in FY2022 with design plan to follow in FY2023.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Establish a 5 year capital improvements program that ensures infrastructure is in place to meet projected growth demands and update the plan on an annual basis.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0
Equipment							
Total	\$280,000	\$80,000	\$200,000	\$0	\$0	\$0	\$0
Funding Sources							
Local - UF	\$280,000	\$80,000	\$200,000	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	  
Contact:	Neil Peters	
Project Title:	Shell Creek Water Treatment Plant Evaluation & Rehabilitation (Filters, SCU, ALUM Tanks)	
Project Code:	WTP-EV	
Account #:	411-8422-533-65-02	
Description/Justification:	<p>Engineering services to evaluate the scope of improvements and rehabilitation work necessary to restore the WTP Granular Filters, Solid Contact Units (SCUs), and Alum Tank to design standards. Prepare a preliminary design report (PDR) to identify work and equipment required, the work sequencing, prepare design sheets, and provide a construction cost estimate. Take corrective action to resolve deficiencies to restore to proper operating condition, and provide a 20 year operating life. Planning estimate for total project is \$23,123,000.</p> <p>Previous projects combined into one: FY 2020-2021 Filter Evaluation and design \$1,823,000; FY2021 SCU Tank coating \$500,000; and FY 2022 Alum Tank \$800,000.</p> <p>The Shell Creek WTP treatment process requires filtration. Issues identified include: elevated filter effluent turbidity; elevated filter head loss; low filter run times; deteriorating concrete in filters, SCU and Alum Tank coatings. This is a critical process.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Establish a 5 year capital improvements program that ensures infrastructure is in place to meet projected growth demands and update the plan on an annual basis.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$664,600	\$664,600	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$22,458,400	\$5,158,400	\$0	\$17,300,000	\$0	\$0	\$0
Equipment							
Total	\$23,123,000	\$5,823,000	\$0	\$17,300,000	\$0	\$0	\$0
Funding Sources							
Local - UF	\$5,823,000	\$5,823,000	\$0	\$0	\$0	\$0	\$0
Finance (est.) -RF	\$17,300,000	\$0	\$0	\$17,300,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contractual							
Equipment							
TBD from PDR	TBD	\$0	\$0	TBD	TBD	TBD	TBD

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant Booster Station (Burnt Store Rd)	
Project Code:	BOOST	
Account #:	411-8422-533-65-06	
Description/ Justification:	<p>FY 2023 Engineering services to evaluate the scope of improvements to repair riser pipe at Booster Station and high service pump(s) necessary for improvement to Burnt Store Rd Booster Station.</p> <p>FY 2024 Add high service pump station to Burnt Store Road elevated tank and repair pipe riser.</p> <p>Improve water storage and pressure to water distribution lines in Burnt Store zone.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Establish a 5 year capital improvements program that ensures infrastructure is in place to meet projected growth demands and update the plan on an annual basis.	
Community Impact:		

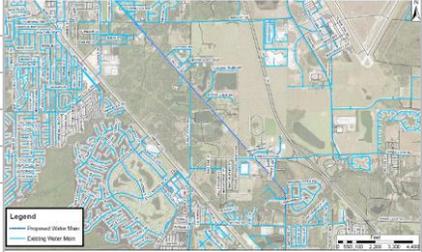
Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$850,000	\$0	\$250,000	\$600,000	\$0	\$0	\$0
Land							
Construction	\$2,700,000	\$0	\$0	\$2,700,000	\$0	\$0	\$0
Equipment							
Total	\$3,550,000	\$0	\$250,000	\$3,300,000	\$0	\$0	\$0
Funding Sources							
Local – UF	\$1,900,000	\$0	\$250,000	\$1,650,000	\$0	\$0	\$0
Local - UIF	\$1,650,000	\$0	\$0	\$1,650,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Electric and maintenance	\$9,000	\$0	\$0	\$0	\$3,000	\$3,000	\$3,000

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant – RO Brine Disposal Well Mechanical Integrity Testing (MIT)	
Project Code:	WP-MIT	
Account #:	411-8422-533-31-14	
Description/ Justification:	<p>FY 2025 Project will perform Mechanical Integrity Testing (MIT) for the required period regulated by an Underground Injection (UIC) permit.</p> <p>The WTP RO brine disposal well is regulated by an Underground Injection Control (UIC) permit. Permit compliance requires Mechanical Integrity Testing (MIT) at 5 year intervals.</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting and activities	
Community Impact:		

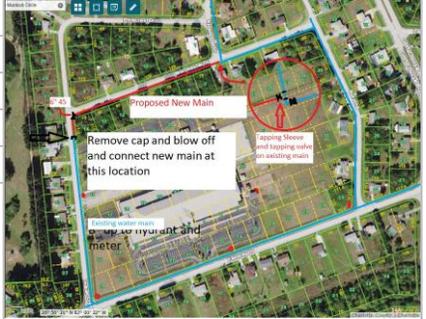
Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/ Engineering	\$150,000	\$0	\$0	\$0	\$150,000	\$0	\$0
Land							
Construction							
Equipment							
Total	\$150,000	\$0	\$0	\$0	\$150,000	\$0	\$0
Funding Sources							
Local - UF	\$150,000	\$0	\$0	\$0	\$150,000	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Treatment Plant RO – Brine Disposal Well (DIW) Permit Renewal	
Project Code:	WPDIWP	
Account #:	411-8422-533-31-14	
Description/ Justification:	<p>FY 2026 Engineering services to prepare and submit permit application materials for the renewal of Water Treatment Plant RO Brine Disposal Well (DIW) Permit regulated by Underground Injection Control (UIC) permit required by Florida Department of Environmental Protection (FDEP) prior to expiration.</p> <p>FDEP requires the Water Treatment Plant to renew its Underground Injection Control (UIC) permit for Deep Injection Well (DIW) every 5 years. City applied for operating permit October 2021. Next permit renewal is due October 2026.</p>	
Priority:	Partnerships, Communication and Collaboration	
Goal:	Emphasize transparency in City operations, reporting, and activities.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$85,000	\$0	\$0	\$0	\$0	\$85,000	\$0
Land							
Construction							
Equipment							
Total	\$85,000	\$0	\$0	\$0	\$0	\$85,000	\$0
Funding Sources							
Local-UF	\$85,000	\$0	\$0	\$0	\$0	\$85,000	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Taylor Rd 10" Water Main Replacement Upgrade	
Project Code:	TAYWMU	
Account #:	411-8422-533-63-21	
Description/Justification:	<p>FY 2021 - 2022</p> <p>Replace approximately 13,000 feet of existing 10" cast iron water main with new 12" water main in Taylor Rd from Airport Rd to Alligator Creek Bridge.</p> <p>Wastewater impacts can be used for up to 50% of project.</p> <p>The existing water main is cast iron and is over 50 years old and functionally obsolete. This line could be subject to end of life pipe conditions resulting in repairs and interruption of service to customers.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City's infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction							
Equipment	\$3,292,000	\$3,292,000	\$0	\$0	\$0	\$0	\$0
Total	\$3,542,000	\$3,542,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UIF	\$975,000	\$975,000	\$0	\$0	\$0	\$0	\$0
Local-UF	\$2,567,000	\$2,567,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Water Main Extension Tee & Green	
Project Code:	WMT&G	
Account #:	411-8422-533-63-21	
Description/Justification:	<p>FY 2022-2023</p> <p>Construct 6" water main in Tee and Green, Indian Creek Lane, Worcester Drive, and Burning Tree Lane.</p> <p>Funded with Water Impact Fees.</p> <p>Project constructed in 1994 by City forces omitted water lines on three streets in Tee and Green. Existing homes and new construction will be able to become water customers. New water main will provide loop to 3 existing dead end lines, providing growth and funding through impact fees.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City's infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$50,000	\$50,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$400,000	\$400,000	\$0	\$0	\$0	\$0	\$0
Equipment							
Total	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$0
Funding Sources							
Local-UIF	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Maintenance	\$4,000	\$0	\$0	\$1,000	\$1,000	\$1,000	\$1,000
Impacts on Revenues (negative entry indicates revenue reduction)							
Water revenue – TBD as area is developed	TBD	\$0	\$0	TBD	TBD	TBD	TBD

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Solona Water Main Replacement Upgrade	
Project Code:	SOLWMU	
Account #:	411-8423-533-63-21	
Description/Justification:	<p>FY 2024 Replace approximately 4,400 feet of existing 8” Cast Iron (CI) water main in Marion Avenue from Cooper Street to Florida Street.</p> <p>The existing water main is over 50 years old and is functionally obsolete. This could be subject to end of life pipe condition resulting in repairs and interruption of service to customers.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0
Land							
Construction	\$3,300,000	\$0	\$0	\$3,300,000	\$0	\$0	\$0
Equipment							
Total	\$3,500,000	\$200,000	\$0	\$3,300,000	\$0	\$0	\$0
Funding Sources							
Local-UF	\$3,500,000	\$200,000	\$0	\$3,300,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							

Dept/Div:	Utilities Administration	
Contact:	Neil Peters	
Project Title:	Bal Harbor Water Main Replacement	
Project Code:	BALHWM	
Account #:	411-8423-533-63-21	
Description/Justification:	<p>FY 2023 – 2024</p> <p>Water Distribution has investigated low pressure calls from PGI Section 12 and 14. The water main between Aqui Esta and Albatross is 10". This line segment is causing significant pressure drop. Install a larger pipe to correct low pressure events.</p> <p>This will improve operation of water distribution facilities.</p>	
Priority:	Infrastructure Sustainability	
Goal:	Maintain and enhance the City’s infrastructure to ensure efficient service delivery and quality aesthetic appeal. Apply best management practice and systems in infrastructure maintenance.	
Community Impact:		

Financial Information							
5 Year Plan	Total	Prior	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Project Costs							
Design/Engineering	\$200,000	\$0	\$200,000	\$0	\$0	\$0	\$0
Land							
Construction	\$400,000	\$0	\$0	\$400,000	\$0	\$0	\$0
Equipment							
Total	\$600,000	\$0	\$200,000	\$400,000	\$0	\$0	\$0
Funding Sources							
Local-UF	\$600,000	\$0	\$200,000	\$400,000	\$0	\$0	\$0
Impacts on Operations (negative entry indicates operating reduction)							
Personnel							
Contractual							
Equipment							
Other							