



**Capital Improvements Program**  
**Fiscal Years**  
**2022 – 2026**



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## Board of Directors

Ms. Vicki  
Campbell  
District 1



Ms. Lois  
Benson  
District 2



Mr. Larry  
Williams  
District 3



Mr. Dale  
Perkins  
District 4



Mr. Kevin  
Stephens  
District 5







# ***Emerald Coast Utilities Authority***

## **Executive Director**

J. Bruce Woody, P.E.

## **Deputy Executive Directors**

### **Engineering & Environmental**

Donald Palmer

### **Maintenance & Construction**

Gerry Piscopo

### **Shared Services**

Randy Rudd

## **Department Directors**

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### **Customer Service**

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### **Information Technology**

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### **Water Production**

Tom Dawson

### **Human Resources/Admin. Services**

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### **Engineering**

Stacy Hayden

### **Regional Services**

Brian Reid

### **Water Reclamation**

Randy Sears





# ***Emerald Coast Utilities Authority***

## **2022 Approved CIP Budget**

### **Department of Finance Staff**

**Justin Smith**

**Director of Finance**

**Ronda Branton-McCurley**

**Confidential Assistant**

**Sherry Rawleigh**

**Accountant II**

**Lorraine Hudson**

**Accountant III**



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## TABLE OF CONTENTS

### **INTRODUCTION**

Executive Director's Letter .....	i-iv
Summary by System .....	1
Summary of All Funds 5-Year Total .....	2

### **WATER & WASTEWATER PROGRAM SUMMARIES**

Summary by Program.....	3
Summary of 5 Year Requirements.....	4
Summary by Program Type .....	5

#### **PROJECT DATA SHEETS**

##### **WATER PRODUCTION**

CIP .....	6-19
Renewal & Replacement.....	20-40

##### **WATER DISTRIBUTION**

CIP.....	41-58
Renewal & Replacement.....	59-90

##### **WATER RECLAMATION**

CIP .....	91-101
Renewal & Replacement.....	102-104

##### **WASTEWATER COLLECTION**

CIP .....	105-141
Renewal & Replacement.....	142-186

##### **UTILITY RELOCATIONS.**

CIP .....	187-202
-----------	---------

##### **GENERAL PROJECTS**

CIP .....	203-216
Renewal & Replacement.....	217-222

### **SANITATION SYSTEM AND MATERIAL RECYCLING FACILITY**

Summary by type .....	225
-----------------------	-----

#### **PROJECT DATA SHEETS**

##### **SANITATION**

CIP .....	226-229
Renewal & Replacement.....	230-236

##### **MATERIAL RECYCLING**

CIP .....	237-242
Renewal & Replacement.....	243-244

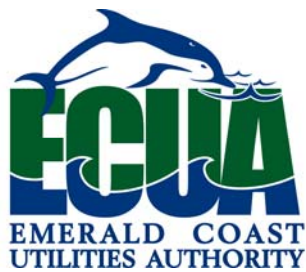




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# Introduction





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P.O. Box 17089 9255 Sturdevant Street  
Pensacola, Florida 32522-7089  
ph: 850 476-5110 • fax: 850 494-7346

February 1, 2022

Dear Chairman and Board Members:

I am pleased to deliver herewith, the approved Emerald Coast Utilities Authority Capital Improvements Program. This five-year program includes fiscal years 2022 through 2026.

Input during the process of formulating this plan came from the Board, the Citizens' Advisory Committee, members of the public, and the ECUA staff. After holding numerous meetings, the staff developed a plan that clearly expresses the capital needs of the ECUA through FY 2026. The FY 2022 CIP budget provides a programmed approach targeting system repairs along with the Sanitary Sewer Overflow/Inflow & Infiltration (SSO/I&I) Consent Order requirements. The staff has continued making a concerted effort to be frugal with expenditures, which helps to keep annual rate increases as small as possible. Approximately 20 percent of the CIP budget in the Water/Wastewater System for FY 2022 is comprised of projects addressing the SSO/I&I Program in response to the FDEP Consent Order (CO), which the ECUA Board approved in May 2012. This will be the tenth year of a 16-year program that we have established to make repairs to the system as required in the CO. With "shovel-ready" projects addressing the CO requirements, it is imperative for the ECUA to initiate construction on the affected lines and systems both methodically and aggressively. Additionally, this plan allows for new infrastructure in the system as well.

Shown below is a combined summary, by fund, of the Water & Wastewater System, the Sanitation System, and the Materials Recycling Facility.

COMBINED SUMMARY BY SYSTEM FY 2022-2026  
In 000's

SYSTEM	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FUND TOTAL
Water & Wastewater Systems Programs	\$42,405	\$95,489	\$73,774	\$80,453	\$60,512	\$352,633
Sanitation System Programs	2,075	3,200	6,250	7,750	4,900	24,175
Materials Recycling Facility Programs	3,208	400	700	400	400	5,108
TOTAL	\$47,688	\$99,089	\$80,724	\$88,603	\$65,812	\$381,916

Vicki Campbell  
District One

Lois Benson  
District Two

Larry Williams  
District Three

Dale Perkins  
District Four

Kevin Stephens  
District Five

### **Water/Wastewater Systems**

Total new capital improvement requirements for the Water & Wastewater Systems through FY 2026 are estimated at \$352.6 million. Funding in FY 2022 is scheduled to come from existing balances, operating revenues, and the Capital Improvement Fee. There are no plans for new debt issuance for FY 2022. However, the major portions of some projects may need funding in later years from additional debt, which will require annual rate increases at the time of issuance.

WATER & WASTEWATER SYSTEM						
FY 2022-2026						
FUNDS (000)						
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FUND TOTAL
Water Production	\$3,860	\$ 26,775	\$4,970	\$ 3,760	\$3,760	\$43,125
Water Distribution	8,350	20,215	20,455	17,435	11,260	77,715
Water Reclamation	4,000	875	9,275	7,600	16,300	38,050
Wastewater Collection	20,726	41,040	33,575	46,000	24,430	165,771
Utility Relocations	880	2,140	2,190	2,190	1,190	8,590
General Projects	4,589	4,444	3,309	3,468	3,572	19,382
Total all programs	\$42,405	\$95,489	\$73,774	\$80,453	\$60,512	\$352,663

### **Sanitation System and Materials Recycling**

Total new capital improvement requirements for the Sanitation Systems through FY 2026 are estimated at \$24 million and includes funds for new equipment to serve additional customers, funds to replace a portion of our fleet, funds to develop plans for and construct a new transfer station, and funds to provide equipment replacement for the composting activity. Funding in FY 2022 is scheduled to come from the capital funding fee, existing balances, and operating revenues.

The commercial operation on the mainland includes automated can and roll-off container services.

The composting activity grinds the collected yard waste into mulch, mixes it with bio-solids, and then further processes it into high quality compost. The composting activity keeps yard waste out of the landfill, thereby reducing the cost of tipping fees while the sale of the compost material generates a modest source of revenue.

Capital Improvements Program

FY 2022 – FY 2026

February 1, 2022

Page 3

Capital requirements for the MRF include storage modifications and annual MRF equipment upgrades at the facility. The storage modifications are necessary to house replacement parts and other equipment needed for timely repair of the equipment. The Board approved the purchase of eight additional robotic sorters at the MRF in FY 2022. Funding for this purchase will be financed through a lease-purchase arrangement using our existing master lease agreement.

SANITATION SYSTEM

FY 2022 – 2026

In 000's

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FUND TOTAL
Containers	\$350	\$350	\$600	\$800	\$850	\$2,950
Transfer Station	500	500	1,700	3,000	100	5,800
Vehicles	900	900	3,700	3,700	3,700	12,900
Site Improvements	0	75	1,200	0	0	1,275
Composting Equipment	250	250	250	250	250	1,250
Total Sanitation	<u>\$5,283</u>	<u>\$3,600</u>	<u>\$6,950</u>	<u>\$8,150</u>	<u>\$5,300</u>	<u>\$29,283</u>

Material Recycling Facility

FY 2022 – 2026

In 000's

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FUND TOTAL
MRF Storage Modifications	\$300	\$300	\$300	\$0	\$0	\$900
Robotic Sorters	2,808	0	0	0	0	2,808
Annual MRF Equipment Upgrades	100	100	400	400	400	1,400
Total Materials Recycling Facility	<u>\$3,208</u>	<u>\$400</u>	<u>\$700</u>	<u>\$400</u>	<u>\$400</u>	<u>\$5,108</u>



## **Summary**

These five-year CIP plans, updated annually, ensure the continuing integrity of our operation.

Detail for each of the program descriptions is located within each departmental tab. To assist in your reading of the Data Sheets provided, the following explanations help identify the program area and the type of project listed on the Data Sheet.

Projects are assigned project numbers identifying them as either CIP or Renewal & Replacement (R&R) projects. CIP items expand or add new infrastructure to the utility systems, while the R&R projects enhance and/or extend the life of the existing infrastructure.

### The following prefixes to identify type:

C = CIP project  
R = R&R Project

### The letter following the prefix identifies the functional program area:

A = General Project  
S = Wastewater Project  
W = Water Project  
R = Utility Relocation  
T = Sanitation

The quality of this plan is a testimony to the commitment to excellence and the tireless efforts of all who participated in the process. We would like to express our sincere appreciation for their work toward its successful conclusion.

Respectfully submitted,

*J. Bruce Woody*

J. Bruce Woody, P.E., MBA  
Executive Director

*Justin Smith*

Justin Smith, CPA  
Director of Finance

**SUMMARY BY SYSTEM**  
**FISCAL YEARS 2021-2026**  
**(IN 000'S)**

<b>Funds Description</b>	<b>PRIOR YEARS</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>		<b>5 YR TOTAL REQUIREMENT</b>		<b>PROJECT TOTAL</b>
<b>Water &amp; Wastewater Systems Programs</b>	\$ 155,189		\$ 42,405	\$ 95,489	\$ 73,774	\$ 80,453	\$ 60,512		\$ 352,633		\$ 507,822
<b>Sanitation Systems Programs</b>	14,632		2,075	3,200	6,250	7,750	4,900		24,175		38,807
<b>Materials Recycling Facility Programs</b>	957		3,208	400	700	400	400		5,108		6,065
<b>Total All Programs</b>	<b>\$ 170,778</b>		<b>\$ 47,688</b>	<b>\$ 99,089</b>	<b>\$ 80,724</b>	<b>\$ 88,603</b>	<b>\$ 65,812</b>		<b>\$ 381,916</b>		<b>\$ 552,694</b>

**SUMMARY BY TYPE**  
**WATER & WASTEWATER SYSTEMS**  
**FISCAL YEARS 2021-2026**  
(in 000's)

<b>Funds Description</b>	<b>PRIOR YEARS</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>		<b>5 YR TOTAL REQUIREMENT</b>		<b>PROJECT TOTAL</b>
<b>Water Production</b>	14,892		3,860	26,775	4,970	3,760	3,760		43,125		58,017
<b>Water Distribution</b>	22,991		8,350	20,215	20,455	17,435	11,260		77,715		100,706
<b>Water Reclamation</b>	5,055		4,000	875	9,275	7,600	16,300		38,050		43,105
<b>Wastewater Collection</b>	84,920		20,726	41,040	33,575	46,000	24,430		165,771		250,691
<b>Utility Relocation</b>	7,520		880	2,140	2,190	2,190	1,190		8,590		16,110
<b>General Projects</b>	19,811		4,589	4,444	3,309	3,468	3,572		19,382		39,193
<b>Total All Programs</b>	<b>\$ 155,189</b>		<b>\$ 42,405</b>	<b>\$ 95,489</b>	<b>\$ 73,774</b>	<b>\$ 80,453</b>	<b>\$ 60,512</b>		<b>\$ 352,633</b>		<b>\$ 507,822</b>



**SUMMARY BY TYPE**  
**WATER & WASTEWATER SYSTEMS**  
**FISCAL YEARS 2021-2026**  
(in 000's)

<b>Funds Description</b>	<b>PRIOR YEARS</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>		<b>5 YR TOTAL REQUIREMENT</b>		<b>PROJECT TOTAL</b>
<b>Water Production</b>											
CIP	2,676		400	9,315	2,160	750	750		13,375		16,051
R&R	12,216		3,460	17,460	2,810	3,010	3,010		29,750		41,966
<b>Water Distribution</b>											
CIP	8,855		-	7,480	5,120	1,100	100		13,800		22,655
R&R	14,136		8,350	12,735	15,335	16,335	11,160		63,915		78,051
<b>Water Reclamation</b>											
CIP	2,905		4,000	875	9,275	7,600	16,300		38,050		40,955
R&R	2,150		-	-	-	-	-		-		2,150
<b>Wastewater Collection</b>											
CIP	17,810		4,526	19,500	14,900	25,700	4,500		69,126		86,936
R&R	67,110		16,200	21,540	18,675	20,300	19,930		96,645		163,755
<b>Utility Relocation</b>											
CIP	7,520		880	2,140	2,190	2,190	1,190		8,590		16,110
R&R											
<b>General Projects</b>											
CIP	10,013		1,355	1,660	1,085	1,085	1,085		6,270		16,283
R&R	9,798		3,234	2,784	2,224	2,383	2,487		13,112		22,910
<b>Total All Programs</b>	<b>\$155,189</b>		<b>\$ 42,405</b>	<b>\$ 95,489</b>	<b>\$ 73,774</b>	<b>\$ 80,453</b>	<b>\$ 60,512</b>		<b>\$ 352,633</b>		<b>\$ 507,822</b>

**SUMMARY BY TYPE**  
**SANITATION SYSTEM AND MATERIAL RECYCLING**  
**FISCAL YEARS 2022-2026**  
(in 000's)

<b>Funds Description</b>	<b>PRIOR YEARS</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>		<b>5 YR TOTAL REQUIREMENT</b>		<b>PROJECT TOTAL</b>
<b>Containers</b>	2,109		350	350	600	800	850		2,950		5,059
<b>Transfer Stations</b>	500		500	500	1,700	3,000	100		5,800		6,300
<b>Vehicles</b>	11,246		900	900	3,700	3,700	3,700		12,900		24,146
<b>CNG Parking Area</b>	-		75	-	-	-	-		75		75
<b>Godwin Warehouse</b>	-		-	1,200	-	-	-		1,200		1,200
<b>Composting Equipment</b>	777		250	250	250	250	250		1,250		2,027
<b>Storage Modifications</b>	473		300	300	300	-	-		900		1,373
<b>MRF Equipment Upgrade</b>	484		2,908	100	400	400	400		4,208		4,692
<b>Total All Programs</b>	<b>\$ 15,589</b>		<b>\$ 5,283</b>	<b>\$ 3,600</b>	<b>\$ 6,950</b>	<b>\$ 8,150</b>	<b>\$ 5,300</b>		<b>\$ 29,283</b>		<b>\$ 44,872</b>

# Water & Wastewater





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# Water Production







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**WATER PRODUCTION  
CAPITAL IMPROVEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
CA917	Water System Optimization	85	-	180	410	-	-	590	675	
CW0004	Well Water pH Adjustment	250	-	2,800	1,000	-	-	3,800	4,050	
CW0005	GAC Filters New and Replacements	1,500	400	500	500	500	500	2,400	3,900	
CW223	Central Well Field	305	-	3,800	-	-	-	3,800	4,105	
CW606F	Facility Site Acquisition	497	-	250	250	250	250	1,000	1,497	
CW614	Blue Angel SCADA Zone Valve	39	-	260	-	-	-	260	299	
<b>TOTALS</b>		<b>2,676</b>	<b>400</b>	<b>7,790</b>	<b>2,160</b>	<b>750</b>	<b>750</b>	<b>11,850</b>	<b>14,526</b>	

PRIOR YEARS 2,676  
5 YR PROJECTION 11,850  
**14,526**

**WATER PRODUCTION  
CAPITAL IMPROVEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
CW	Perdido Key Pump Station Rehabilitation	-	-	1,200	-	-	-	1,200	1,200	
CW	WP & Regions Maintenance Bldg	-	-	325	-	-	-	325	325	
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>1,525</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,525</b>	<b>1,525</b>	

PRIOR YEARS -  
5 YR PROJECTION 1,525  
**1,525**

**WATER PRODUCTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
RS001S	Gulf Breeze/ECUA Permanent Connection	22	-	350	-	-	-	350	372	
RW001N	GAC Filter Vessel Maintenance	654	100	500	500	500	500	2,100	2,754	
RW0003	Water Treatment Facility Replacement Hagler	300	300	2,200	-	-	-	2,500	2,800	
RW522B	Annual Pump Repair - Water Production	946	500	200	-	200	200	1,100	2,046	
RW523	Water Production Electrical Repairs	1,200	500	300	300	300	300	1,700	2,900	
RW523B	GAC Treatment Optimization Study	180	50	900	-	-	-	950	1,130	
RW716H	TIC - Review	-	10	10	10	10	10	50	50	
RW717R	Pensacola Beach Tanks - Site Protection Bulkhead	574	-	-	-	-	-	-	574	
RW817	Elevated Tank Maintenance Program	2,275	-	1,000	1,000	1,000	1,000	4,000	6,275	
RW819	West Well Water Facility Replacement	2,500	500	4,000	-	-	-	4,500	7,000	
RW901Z	Well Maintenance & Testing	1,658	1,000	500	500	500	500	3,000	4,658	
RW916S	Water - Mechanical Needs	1,907	500	500	500	500	500	2,500	4,407	
<b>TOTALS</b>		<b>12,216</b>	<b>3,460</b>	<b>10,460</b>	<b>2,810</b>	<b>3,010</b>	<b>3,010</b>	<b>22,750</b>	<b>34,966</b>	

PRIOR YEARS 12,216  
5 YR PROJECTION 22,750  
**34,966**

**WATER PRODUCTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
RW	Water Treatment Facility Expansion - Tennant	-	-	1,200	-	-	-	1,200	1,200	
RW	Water Treatment Facility Expansion - McCrory	-	-	1,200	-	-	-	1,200	1,200	
RW	Water Treatment Facility Replacement - F & Scott	-	-	1,200	-	-	-	1,200	1,200	
RW	Water Treatment Facility Replacement - OLF 4A	-	-	-	1,200	-	-	1,200	1,200	
RW	Water Treatment Facility Replacement - Royce Street	-	-	1,200	-	-	-	1,200	1,200	
RW	Water Treatment Facility Replacement - Cantonment	-	-	-	-	-	-	-	-	
RW	Davis Hwy. Well WTF Replacement	-	-	1,000	-	-	-	1,000	1,000	
RW	Water Treatment Facility Expansion - Olive	-	-	1,200	-	-	-	1,200	1,200	
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>7,000</b>	<b>1,200</b>	<b>-</b>	<b>-</b>	<b>8,200</b>	<b>8,200</b>	

PRIOR YEARS -  
5 YR PROJECTION 8,200  
**8,200**

**WATER PRODUCTION  
CAPITAL IMPROVEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
CA917	Water System Optimization	85	-	180	410	-	-	590	675	
CW0004	Well Water pH Adjustment	250	-	2,800	1,000	-	-	3,800	4,050	
CW0005	GAC Filters New and Replacements	1,500	400	500	500	500	500	2,400	3,900	
CW223	Central Well Field	305	-	3,800	-	-	-	3,800	4,105	
CW606F	Facility Site Acquisition	497	-	250	250	250	250	1,000	1,497	
CW614	Blue Angel SCADA Zone Valve	39	-	260	-	-	-	260	299	
<b>TOTALS</b>		<b>2,676</b>	<b>400</b>	<b>7,790</b>	<b>2,160</b>	<b>750</b>	<b>750</b>	<b>11,850</b>	<b>14,526</b>	

PRIOR YEARS	2,676
5 YR PROJECTION	11,850
	<u>14,526</u>

**WATER PRODUCTION  
CAPITAL IMPROVEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
CW ____	Perdido Key Pump Station Rehabilitation	-	-	1,200	-	-	-	1,200	1,200	
CW ____	WP & Regions Maintenance Bldg	-	-	325	-	-	-	325	325	
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>1,525</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,525</b>	<b>1,525</b>	

PRIOR YEARS	-
5 YR PROJECTION	1,525
	<u>1,525</u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA917  
 Program: Water Production  
 Project Title: Water System Optimization  
 Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	85	0	180	410	0	0	675
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	85	0	180	410	0	0	675

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 2/26/18	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING 275,000	
SURVEY	
CONSTRUCTION	
EQUIPMENT 400,000	
MATERIAL	
LAND	
TOTAL 675,000	

**DESCRIPTION:**

ECUA has 28 active water wells, thirteen water storage tanks, four major pump stations and two booster pump stations. The water demand of ECUA customers varies every day throughout the day. To meet these changing demands ECUA's water operators utilize their experience and knowledge to manage the use of all these facilities. With the cost of electricity being a major expense for ECUA it is a constant challenge to run the water production facilities as economical as possible. In order to provide the water operators with a way to optimize the use of these facilities ECUA has entered into a Partnership Agreement with States (PAS) with the United States Corps of Engineers to identify technology to better predict the most efficient and effective use of our facilities. Ultimately ECUA will have a real time model to indicate what facilities to run at any particular time based on water demand at that time.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW0004  
Program: Water Production  
Project Title: Water Well pH Adjustment  
Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	250	0	2,800	1,000	0	0	4,050
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	250	0	2,800	1,000	0	0	4,050

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING 400,000	
SURVEY	
CONSTRUCTION 3,650,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 4,050,000	

### DESCRIPTION:

The ECUA Water Production department adds hydrated lime to well water for pH adjustment. For many years hydrated lime has been obtained in 50 pound bags. In the past couple of years the availability of bagged lime has gone down while costs have gone up. Due to the escalation of the cost of obtaining hydrated lime in bags and other considerations with the use of bagged lime staff signed a contract with Baskerville Donovan Inc. , one of ECUA's approved Engineering Consultants, to perform a pH adjustment analysis to find the most cost effective to perform pH adjustment in the future. This report indicates that by constructing a bulk hydrated lime plant, ECUA would save funds over the long term. In fact the upfront costs associated with a bulk line plant would be recovered after approximately 5 years. After that a savings of approximately \$500,000 a year would be realized.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW0005

Program: Water Production

Project Title: GAC Filters New

Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	1,500	400	500	500	500	500	3,900
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	1,500	400	500	500	500	500	3,900

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	VARIOUS LOCATIONS
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 3,900,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 3,900,000	

### DESCRIPTION:

ECUA has 13 wells with Granular Activated Carbon (GAC) treatment in operation. The carbon that removes contaminants is contained in large cylindrical steel vessels. As these vessels age they have to be repaired or replaced. There are also well sites where there is currently no GAC treatment where carbon treatment may need to be installed requiring the purchase of new GAC vessels.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW223  
Program: Water Production  
Project Title: Central Well Field Phase I  
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	305	0	3,800	0	0	0	4,105
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	305	0	3,800	0	0	0	4,105

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 400,000	
SURVEY	
CONSTRUCTION 3,705,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 4,105,000	

### DESCRIPTION:

Two test/production wells have been constructed on ECUA's Central Water Reclamation Facility (CWRF) property. Flow tests were run on these two wells with the data utilized to support a request for a new Water Use Permit from the Northwest Florida Water Management District that includes up to 5 wells (Central Well Field) on the CWRF property. The first phase proposed for the Central Well Field is to complete construction of a water treatment facility, with related site work, at the westernmost site of the two existing wells along with a water transmission main to take the water from that well to the existing water distribution system on Highway 29. This would result in approximately 2.5 million gallons a day of additional water available in the northern portion of ECUA's North Water Zone.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW606F

Program: Water Production

Project Title: Facility Site Acquisition

Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	497	0	250	250	250	250	1,497
OPERATING							
RENEWAL & REPLACEMENT							0
TOTAL	497	0	250	250	250	250	1,497

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	VARIOUS LOCATIONS
ENV. ASSESSMENT 100,000	
ENGINEERING	
SURVEY 100,000	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
LAND 1,297,000	
TOTAL 1,497,000	

### DESCRIPTION:

ECUA's hydraulic model analysis and associated master plan identify future needs for water production facilities. Prospective sites for these water production facilities need to be identified and evaluated. Actions involved include searching for available properties, research for possible contamination source, conducting appraisals, performance of test wells for proposed well sites, soil borings, property purchase costs and other related items.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW614  
Program: Water Production  
Project Title: Blue Angel Press. Sustain Zone Vlv  
Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	39	0	260	0	0	0	299
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	39	0	260	0	0	0	299

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 50,000	
SURVEY	
CONSTRUCTION 249,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 299,000	

### DESCRIPTION:

The Potable Water Master Plan indicates a need for a pressure sustaining valve connection between the North and South pressure zones at Blue Angel Pkwy and Muldoon Rd to aid in supplying water to the South Zone at peak demand times. Construction is scheduled to begin in early to mid 2020.

**WATER PRODUCTION  
CAPITAL IMPROVEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)											
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CW ____	Perdido Key Pump Station Rehabilitation	-		-	1,200	-	-	-		1,200	1,200
CW ____	WP & Regions Maintenance Bldg	-		-	325	-	-	-		325	325
TOTALS		-		-	1,525	-	-	-		1,525	1,525

PRIOR YEARS	-
5 YR PROJECTION	1,525
	<u>1,525</u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW  
 Program: Water Production  
 Project Title: Perdido Key Pump Station Upgrade  
 Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	1,200	0	0	0	1,200
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	1,200	0	0	0	1,200

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	100,000
SURVEY	
CONSTRUCTION	1,100,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,200,000

MAP

The map displays a coastal area with several roads. A blue icon representing the 'Innerarity Pump Station' is located at the intersection of Innerarity Pt Rd and a road labeled '13402'. Other roads shown include Sorrento Rd, Mirilla St, Perdido Key Dr, and Gulf Beach Hwy. The map also shows a coastline with a beach area and some vegetation. The road network is color-coded, with some roads in orange and others in white.

### DESCRIPTION:

The existing pumps at this facility need to be replaced along with all of the associated electrical equipment. A variable frequency drive will be installed with new pumps capable of running at different speeds to allow for better utilization of the ground storage tank and pump station.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW \_\_\_\_\_

Program: Water Production

Project Title: WP and Regions Maintenance Bldg

Project Manager:: Tom Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	325	0	0	0	325
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	325	0	0	0	325

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	40,000
SURVEY	
CONSTRUCTION	285,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	325,000

MAP

Sturdevant St

McCormick St

Hamman Ave

Potter Ave

Weed St

Copter Rd

Addison Dr

Hayward Dr

WP and Regions Maintenance Bldg

### DESCRIPTION:

The Water Production department has several different types of large equipment and supplies that need to be stored out of the weather to protect those assets. Due to a lack of having a place capable of storing this equipment, it is currently stored at several different locations including some owned by other entities. The Regional Services Department also has a need for a building capable of holding equipment and supplies. The construction of one building to be shared by Water Production and Regional Services would fill this need.

**WATER PRODUCTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RS001S	Gulf Breeze/ECUA Permanent Connection	22	-	350	-	-	-	350	372
RW001N	GAC Filter Vessel Maintenance	654	100	500	500	500	500	2,100	2,754
RW0003	Water Treatment Facility Replacement Hagler	300	300	2,200	-	-	-	2,500	2,800
RW522B	Annual Pump Repair - Water Production	946	500	200	-	200	200	1,100	2,046
RW523	Water Production Electrical Repairs	1,200	500	300	300	300	300	1,700	2,900
RW523B	GAC Treatment Optimization Study	180	50	900	-	-	-	950	1,130
RW716H	TIC - Review	-	10	10	10	10	10	50	50
RW717R	Pensacola Beach Tanks - Site Protection Bulkhead	574	-	-	-	-	-	-	574
RW817	Elevated Tank Maintenance Program	2,275	-	1,000	1,000	1,000	1,000	4,000	6,275
RW819	West Well Water Facility Replacement	2,500	500	4,000	-	-	-	4,500	7,000
RW901Z	Well Maintenance & Testing	1,658	1,000	500	500	500	500	3,000	4,658
RW916S	Water - Mechanical Needs	1,907	500	500	500	500	500	2,500	4,407
<b>TOTALS</b>		<b>12,216</b>	<b>3,460</b>	<b>10,460</b>	<b>2,810</b>	<b>3,010</b>	<b>3,010</b>	<b>22,750</b>	<b>34,966</b>

PRIOR YEARS 12,216  
5 YR PROJECTION 22,750  
**34,966**

**WATER PRODUCTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW	Water Treatment Facility Expansion - Tennant	-	-	1,200	-	-	-	1,200	1,200
RW	Water Treatment Facility Expansion - McCrory	-	-	1,200	-	-	-	1,200	1,200
RW	Water Treatment Facility Replacement - F & Scott	-	-	1,200	-	-	-	1,200	1,200
RW	Water Treatment Facility Replacement - OLF 4A	-	-	-	1,200	-	-	1,200	1,200
RW	Water Treatment Facility Replacement - Royce Street	-	-	1,200	-	-	-	1,200	1,200
RW	Water Treatment Facility Replacement - Cantonment	-	-	-	-	-	-	-	-
RW	Davis Hwy. Well WTF Replacement	-	-	1,000	-	-	-	1,000	1,000
RW	Water Treatment Facility Expansion - Olive	-	-	1,200	-	-	-	1,200	1,200
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>7,000</b>	<b>1,200</b>	<b>-</b>	<b>-</b>	<b>8,200</b>	<b>8,200</b>

PRIOR YEARS -  
5 YR PROJECTION 8,200  
**8,200**

**WATER PRODUCTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL	
RS001S	Gulf Breeze/ECUA Permanent Connection	22	-	350	-	-	-	350	372	
RW001N	GAC Filter Vessel Maintenance	654	100	500	500	500	500	2,100	2,754	
RW0003	Water Treatment Facility Replacement Hagler	300	300	2,200	-	-	-	2,500	2,800	
RW522B	Annual Pump Repair - Water Production	946	500	200	-	200	200	1,100	2,046	
RW523	Water Production Electrical Repairs	1,200	500	300	300	300	300	1,700	2,900	
RW523B	GAC Treatment Optimization Study	180	50	900	-	-	-	950	1,130	
RW716H	TIC - Review	-	10	10	10	10	10	50	50	
RW717R	Pensacola Beach Tanks - Site Protection Bulkhead	574	-	-	-	-	-	-	574	
RW817	Elevated Tank Maintenance Program	2,275	-	1,000	1,000	1,000	1,000	4,000	6,275	
RW819	West Well Water Facility Replacement	2,500	500	4,000	-	-	-	4,500	7,000	
RW901Z	Well Maintenance & Testing	1,658	1,000	500	500	500	500	3,000	4,658	
RW916S	Water - Mechanical Needs	1,907	500	500	500	500	500	2,500	4,407	
<b>TOTALS</b>		<b>12,216</b>	<b>3,460</b>	<b>10,460</b>	<b>2,810</b>	<b>3,010</b>	<b>3,010</b>	<b>22,750</b>	<b>34,966</b>	

PRIOR YEARS	12,216
5 YR PROJECTION	22,750
	<u><b>34,966</b></u>





# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RS001S

Program: Water Production

Project Title: Gulf Breeze/ECUA Perm Cnctn

Fiscal Years: 2022-2026

Project Manager:: T.Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	22	0	350	0	0	0	372
TOTAL	22	0	350	0	0	0	372

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	372,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	372,000

**DESCRIPTION:**

For ECUA and Gulf Breeze to provide each other with water in an emergency, permanent water main connection improvements between the two entities are needed. A short term temporary connection is being established under a separate project.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW001N  
Program: Water Production  
Project Title: GAC Filter Vessel Main./Repl  
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	654	100	500	500	500	500	2,754
TOTAL	654	100	500	500	500	500	2,754

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	VARIOUS LOCATIONS
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 2,754,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 2,754,000	

### DESCRIPTION:

ECUA has 13 wells with GAC Vessels in operation. Currently we are planning to install GAC vessels for three additional wells within the next 12 months. The vessels are inspected periodically to determine if any repairs are needed. The inspections include the internal and external coatings, appurtenances, piping, condition of metal, etc. Any repair work identified during the inspections will be scheduled as appropriate.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW0003  
Program: Water Production  
Project Title: Hagler Well Treatment  
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	300	300	2,200	0	0	0	2,800
TOTAL	300	300	2,200	0	0	0	2,800

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 600,000	
SURVEY	
CONSTRUCTION 2,200,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 2,800,000	

### DESCRIPTION:

The Hagler Water Well was removed from service in 2015 to due to increasing concentrations of contaminants in the water. ECUA entered into a contract with Arcadis, one of ECUA's approved Engineering firms, to perform a Feasibility Analysis of the different treatment options at this well. Rapid scale column tests have been performed on the use of Granular Activated Carbon (GAC) to see how effective it is on removing the contaminants from the water. Additional testing is about to commence on several different resins to see how effective they are on the removal of the contaminants. Once all testing is complete Arcadis will issue a report outlining the different treatment options along with estimated long term costs for each option. If the decision is made to install treatment, \$2,000,000 of funding will be needed for this work and is shown in FY2022.



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: \_\_\_\_\_

Program: \_\_\_\_\_

Project Title: \_\_\_\_\_

Project Manager:: \_\_\_\_\_

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL							

<p><b>ESTIMATED PROJECT COSTS</b></p> <hr/> <p>Project Start Date: _____</p> <p>ENV. ASSESSMENT _____</p> <p>ENGINEERING _____</p> <p>SURVEY _____</p> <p>CONSTRUCTION _____</p> <p>EQUIPMENT _____</p> <p>MATERIAL _____</p> <p>LAND _____</p> <p style="text-align: right;"><b>TOTAL</b> _____</p>	<p><b>MAP</b></p>
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**DESCRIPTION:**



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW216  
Program: Water Production  
Project Title: Innerarity Pump Station Upgrade  
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,200	0	0	0	0	0	1,200
TOTAL	1,200	0	0	0	0	0	1,200

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	100,000
SURVEY	
CONSTRUCTION	1,100,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,200,000

MAP

The map displays the project area with the following features:

- Innerarity Pump Station:** Indicated by a blue pump icon and labeled in the center.
- Roads:** Sorrento Rd, Mirilla St, Innerarity Pt Rd, Perdido Key Dr, and Gulf Beach Hwy.
- Geographic Features:** A body of water (likely the Gulf of Mexico) is shown in the bottom right corner, and a green area (possibly a park or undeveloped land) is in the bottom left.

### DESCRIPTION:

The existing pumps at this facility need to be replaced along with all of the associated electrical equipment. A variable frequency drive will be installed with new pumps capable of running at different speeds to allow for better utilization of the ground storage tank and pump station.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW522B

Program: Water Production

Project Title: WP Pump Replacement and Repair

Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	946	500	200	0	200	200	2,046
TOTAL	946	500	200	0	200	200	2,046

ESTIMATED PROJECT COSTS	<div>MAP</div> <div>System Wide</div>
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 2,046,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 2,046,000	

### DESCRIPTION:

Water Production facilities such as wells and pump stations all have large horsepower pumps. These pumps need to be repaired or replaced when they experience a problem/failure.



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RW523

Program: Water Production

Project Title: Electrical Repairs Wtr Production

Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2024	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,200	500	300	300	300	300	2,900
<b>TOTAL</b>	1,200	500	300	300	300	300	2,900

<b>ESTIMATED PROJECT COSTS</b>	<b>MAP</b>
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION 2,900,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 2,900,000	<b>System Wide</b>

**DESCRIPTION:**

Funds in this project budget are used to repair and/or replace electrical components at Water Production Facilities.







# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW716H

Program: Water Production

Project Title: TIC - Review

Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	10	10	10	10	10	50
TOTAL	0	10	10	10	10	10	50

ESTIMATED PROJECT COSTS	<p>MAP</p> <p>VARIOUS LOCATIONS</p>
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 50,000	
SURVEY	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 50,000	

<p><b>DESCRIPTION:</b></p> <p>The Water Production Department has need of a Tank Specialist Consultant to review documents such as plans, specifications, submittals, etc.</p>
--



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW717R  
Program: Water Production  
Project Title: Pensacola Bch Tanks Site Bulkhead  
Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	574	0	0	0	0	0	574
TOTAL	574	0	0	0	0	0	574

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 574,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 574,000	

### DESCRIPTION:

A project has been initiated to construct a new bulkhead along the western portion of the existing potable water ground storage tanks on Pensacola Beach. This bulkhead will help protect the existing ECUA infrastructure from erosion and storm damage. As part of the permitting process ECUA is also attempting to reclaim some of the shoreline that is currently eroded away.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2021-2026

Project no.: RW817  
Program: Water Production  
Project Title: Elevated Tank Maintenance  
Project Manager:: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	2,275	0	1,000	1,000	1,000	1,000	6,275
TOTAL	2,275	0	1,000	1,000	1,000	1,000	6,275

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING 600,000	
SURVEY	
CONSTRUCTION 5,675,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 6,275,000	

### DESCRIPTION:

ECUA has thirteen water storage tanks. Comprehensive inspections are conducted every five years on each tank to identify items that are in need of repair or replacement. The tanks are drained, cleaned and evaluated on the inside and outside. In some instances minor repairs are all that are needed and sometimes major work such as total coating replacement is needed. Each tank is also inspected annually for things such as screens, and other minor items. There currently are two elevated storage tanks in need of major rehabilitation. They are the 500,000 gallon East Elevated Tank and the 500,000 Gallon West Elevated Tank. Work on the East Tank is proposed for FY 2021.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW819  
Program: Water Production  
Project Title: West Well and Tank Improvements  
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	2,500	500	4,000	0	0	0	7,000
TOTAL	2,500	500	4,000	0	0	0	7,000

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 400,000	
SURVEY 50,000	
CONSTRUCTION 6,550,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 7,000,000	

### DESCRIPTION:

ECUA's West Well water treatment facility (WTF) and GAC filter treatment system are in need of replacement. The site they are currently on is too small to build new state of the art facilities on. Property was recently acquired adjacent to the existing elevated tank site which will provide the area needed in order to build a new WTF and GAC filter treatment system. The existing well at the existing site is in need of major maintenance. It has been determined that it would be more advantageous to construct a new well at the site of the new WTF, GAC filter treatment system and storage tank. ECUA's Water Sytem Master Plan, most recent edition, recommends that the existing 500,000 gallon elevated tank be replaced with a larger ground storage tank and pump station.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW901Z  
Program: Water Production  
Project Title: Well Maintenance and Testing  
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,658	1,000	500	500	500	500	4,658
TOTAL	1,658	1,000	500	500	500	500	4,658

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 4,658,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 4,658,000	

### DESCRIPTION:

Wells need to be maintained to keep them in good working condition. In order to keep them in good operating condition well pumps and discharge piping are pulled and the well columns are thoroughly evaluated. Well casing and screens are cleaned at the time of the evaluation and any repair work needed is performed. With 31 permitted wells, we need to test and perform restoration work (as required) on 3 to 4 wells per year. This is a continuing project which addresses every well once every 10-12 years.



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RW916S

Program: Water Production

Project Title: Water Treat Mechanical Needs

Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,907	500	500	500	500	500	4,407
TOTAL	1,907	500	500	500	500	500	4,407

ESTIMATED PROJECT COSTS	<div>MAP</div> <div>SYSTEM WIDE</div>
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION 4,407,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 4,407,000	

**DESCRIPTION:**

This project consists of building maintenance, and equipment maintenance/replacement at water production facilities.

**WATER PRODUCTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW	Water Treatment Facility Expansion - Tennant	-	-	1,200	-	-	-		1,200	1,200
RW	Water Treatment Facility Expansion - McCrory	-	-	1,200	-	-	-		1,200	1,200
RW	Water Treatment Facility Replacement - F & Scott	-	-	1,200	-	-	-		1,200	1,200
RW	Water Treatment Facility Replacement - OLF 4A	-	-	-	1,200	-	-		1,200	1,200
RW	Water Treatment Facility Replacement - Royce Street	-	-	1,200	-	-	-		1,200	1,200
RW	Water Treatment Facility Replacement - Cantonment	-	-	-	-	-	-		-	-
RW	Davis Hwy. Well WTF Replacement	-	-	1,000	-	-	-		1,000	1,000
RW	Water Treatment Facility Expansion - Olive	-	-	1,200	-	-	-		1,200	1,200
<b>TOTALS</b>		-	-	<b>7,000</b>	<b>1,200</b>	-	-		<b>8,200</b>	<b>8,200</b>

PRIOR YEARS	-
5 YR PROJECTION	8,200
	<u><b>8,200</b></u>





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW

Program: Water Production

Project Title: Tennant WTF Replacement

Project Manager:: T Dawson

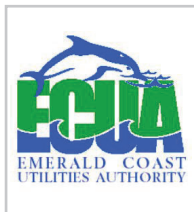
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	1,200	0	0	0	1,200
TOTAL	0	0	1,200	0	0	0	1,200

ESTIMATED PROJECT COSTS		MAP
Project Start Date:		
ENV. ASSESSMENT		
ENGINEERING	95,000	
SURVEY	10,000	
CONSTRUCTION	795,000	
EQUIPMENT	300,000	
MATERIAL		
LAND		
TOTAL	1,200,000	

The map displays a residential area with several houses and streets. The 'Tennant Water Well' is located in the center-left portion of the map. The streets shown are 'Broyhill Ln' running horizontally across the top and bottom, and 'Char Bar Dr' running diagonally on the right side.

### DESCRIPTION:

The current water treatment facility is aging and in need of extensive repair. This project will provide replacement with an up to date facility, designed with newer technology and possibly a stand by generator. The new building will have separate chemical rooms for safety reasons. Work will include storm-water facilities, paving and other site work.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RW

Program: Water Production

Project Title: McCrory WTF Replacement

Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	1,200	0	0	0	1,200
TOTAL	0	0	1,200	0	0	0	1,200

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	95,000
SURVEY	10,000
CONSTRUCTION	795,000
EQUIPMENT	300,000
MATERIAL	
LAND	
TOTAL	1,200,000

MAP

Breezy Acres Rd

Breezy Acres Dr

Chemstrand Rd

McCrory Water Well

### DESCRIPTION:

The current water treatment facility is aging and in need of extensive repair. This project will provide replacement with an up to date facility, designed with newer technology and possibly a stand by generator. The new building will have separate chemical rooms for safety reasons. Work will include storm-water facilities, paving and other site work.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: **RW**

Program: **Water Production**

Project Title: **Olive WTF Replacement**

Project Manager:: **T Dawson**

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
<b>CIP</b>							
<b>OPERATING</b>							
<b>RENEWAL &amp; REPLACEMENT</b>	0	0	1,200	0	0	0	1,200
<b>TOTAL</b>	0	0	1,200	0	0	0	1,200

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	95,000
SURVEY	10,000
CONSTRUCTION	795,000
EQUIPMENT	300,000
MATERIAL	
LAND	
TOTAL	1,200,000

MAP

The map displays a yellow rectangular area representing a site. A vertical road on the left is labeled 'Lawton St' and has a small '1000' marker near the bottom. A vertical road on the right is labeled 'Carl Dean St'. A horizontal road across the middle is labeled 'E Olive Rd' and has a '200' marker. The intersection of Lawton St and E Olive Rd is marked with a small circle and labeled 'Olive Well'. The intersection of Carl Dean St and E Olive Rd is also marked with a small circle. The number '2301' appears twice on the map, once near the center and once near the right side. The number '10' is also visible near the center.

### DESCRIPTION:

The current water treatment facility is aging and in need of extensive repair. This project will provide replacement with an up to date facility, designed with newer technology and possibly a stand by generator. The new building will have separate chemical rooms for safety reasons. Work will include storm-water facilities, paving and other site work.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW

Program: Water Production

Project Title: Royce St. WTF Replacement

Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,200	0	1,200	0	0	0	2,400
TOTAL	1,200	0	1,200	0	0	0	2,400

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 95,000	
SURVEY 10,000	
CONSTRUCTION 1,995,000	
EQUIPMENT 300,000	
MATERIAL	
LAND	
TOTAL 2,400,000	

### DESCRIPTION:

The current water treatment facility is aging and in need of extensive repair. This project will provide replacement with an up to date facility, designed with newer technology and possibly a stand by generator. The new building will have separate chemical rooms for safety reasons. Work will include storm-water facilities, paving and other site work

# Water Distribution





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**WATER DISTRIBUTION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)									
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CW0001	EPA Resiliency Study - Water	75	-	-	-	-	-	-	75
CW0002	Pensacola Bay WA Main Replacement	5,500	-	4,000	-	-	-	4,000	9,500
CW0003	Michigan Ave. Transmission Main Ph II	30	-	150	1,820	-	-	1,970	2,000
CW0008	East Hill 24-inch Transmission	200	-	2,000	-	-	-	2,000	2,200
CW611	Michigan Ave. Transmission Main Ph I	2,350	-	-	-	-	-	-	2,350
CW880	PB Emergency WA Supply Line	700	-	-	-	-	-	-	700
CW	Water Meter Repair Shop	-	-	750	-	-	-	750	750
<b>TOTALS</b>		<b>8,855</b>	<b>-</b>	<b>6,900</b>	<b>1,820</b>	<b>-</b>	<b>-</b>	<b>8,720</b>	<b>17,575</b>

PRIOR YEARS 8,855  
5 YR PROJECTION 8,720  
**17,575**

**WATER DISTRIBUTION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)									
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CW	Misc Area Wide Water System Extensions	-	-	100	100	100	100	400	400
CW	Gaberonne Swamp Water Main	-	-	200	-	-	-	200	200
CW	Michigan Ave. Transmission Main Ph III	-	-	280	2,800	-	-	3,080	3,080
CW	Michigan Ave. Transmission Main Ph IV	-	-	-	100	1,000	-	1,100	1,100
CW	Scenic/Langley WL Replacment	-	-	-	300	-	-	300	300
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>580</b>	<b>3,300</b>	<b>1,100</b>	<b>100</b>	<b>5,080</b>	<b>5,080</b>

PRIOR YEARS -  
5 YR PROJECTION 5,080  
**5,080**

**WATER DISTRIBUTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)									
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW0001	Innerarity Rd Perdido Key WA Sys Improvement	750	-	-	-	-	-	-	750
RW0016	Transite WM Replacement	1,000	1,500	3,000	3,500	4,000	4,000	16,000	17,000
RW0017	Scenic Hills Country Club Water Main Upgrade	-	1,000	-	-	-	-	1,000	1,000
RW0030	Doris, Powell, Rose & Figland WA MN	-	-	-	25	375	-	400	400
RW0031	Water Distribution System Upgrade	-	750	-	-	-	-	750	750
RW067	Water Quality Pipe Upgrades	250	500	100	100	100	100	900	1,150
RW621	East Hill Water Line Upgrade Ph I	600	-	400	-	-	-	400	1,000
RW818	Water Service Renewals	1,350	1,000	1,000	1,000	750	750	4,500	5,850
RW820	Downtown Water System Grid Improvements	1,822	-	-	500	500	500	1,500	3,322
RW906	Antiquated Water Line Replacement	5,784	1,500	1,500	1,500	1,500	1,500	7,500	13,284
RW922	Water Meter Replacement	2,580	2,100	2,100	2,100	2,100	2,100	10,500	13,080
<b>TOTALS</b>		<b>14,136</b>	<b>8,350</b>	<b>8,100</b>	<b>8,725</b>	<b>9,325</b>	<b>8,950</b>	<b>43,450</b>	<b>57,586</b>

PRIOR YEARS 14,136  
5 YR PROJECTION 43,450  
**57,586**

**WATER DISTRIBUTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)									
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW	Cantonment Water Line Upgrade	-	-	-	500	500	-	1,000	1,000
RW	Greenbay, Eureka, La Rosa Water Line Upgrade	-	-	-	-	500	-	500	500
RW	Meadson Water Line Upgrade	-	-	-	-	500	-	500	500
RW	Lucy Street Water Main Upgrade	-	-	-	-	125	-	125	125
RW	Central Business District Grid Study	-	-	-	-	-	200	200	200
RW	Donelson Water Line Upgrade	-	-	-	-	125	-	125	125
RW	Saufley Pines - Turkey Road Upgrade	-	-	-	-	250	-	250	250
RW	Detroit Area Water Line Upgrade	-	-	-	-	1,000	1,000	2,000	2,000
RW	East Hill Water Line Upgrade	-	-	1,000	1,000	1,000	-	3,000	3,000
RW	Englewood Area Water Line Replacement	-	-	500	500	500	-	1,500	1,500
RW	Highway 29 Water Main Upgrade	-	-	200	2,100	-	-	2,300	2,300
RW	Leak Detection Services	-	-	20	10	10	10	50	50
RW	LCR Compliance	-	-	1,100	1,000	1,000	1,000	4,100	4,100
RW	Oleander ST WM Replacement	-	-	105	-	-	-	105	105
RW	Wycliff Dr WM Replacement	-	-	110	-	-	-	110	110
RW	Coldsprings Dr WM Replacement	-	-	100	-	-	-	100	100
RW	Royce St. Area Water Main Replacement	-	-	1,000	1,000	1,000	-	3,000	3,000
RW	Osceola Country Club Area Water Main Upgrade	-	-	500	500	500	-	1,500	1,500
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>4,635</b>	<b>6,610</b>	<b>7,010</b>	<b>2,210</b>	<b>20,465</b>	<b>20,465</b>

PRIOR YEARS -  
5 YR PROJECTION 20,465  
**20,465**

**WATER DISTRIBUTION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CW0001	EPA Resiliency Study - Water	75		-	-	-	-	-	-	75
CW0002	Pensacola Bay WA Main Replacement	5,500		-	4,000	-	-	-	4,000	9,500
CW0003	Michigan Ave. Transmission Main Ph II	30		-	150	1,820	-	-	1,970	2,000
CW0008	East Hill 24-inch Transmission	200		-	2,000	-	-	-	2,000	2,200
CW611	Michigan Ave. Transmission Main Ph I	2,350		-	-	-	-	-	-	2,350
CW880	PB Emergency WA Supply Line	700		-	-	-	-	-	-	700
CW	Water Meter Repair Shop	-		-	750	-	-	-	750	750
<b>TOTALS</b>		<b>8,855</b>		<b>-</b>	<b>6,900</b>	<b>1,820</b>	<b>-</b>	<b>-</b>	<b>8,720</b>	<b>17,575</b>

PRIOR YEARS 8,855  
5 YR PROJECTION 8,720  
**17,575**

**WATER DISTRIBUTION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CW	Misc Area Wide Water System Extensions	-		-	100	100	100	100	400	400
CW	Gaberonne Swamp Water Main	-		-	200	-	-	-	200	200
CW	Michigan Ave. Transmission Main Ph III	-		-	280	2,800	-	-	3,080	3,080
CW	Michigan Ave. Transmission Main Ph IV	-		-	-	100	1,000	-	1,100	1,100
CW	Scenic/Langley WL Replacment	-		-	-	300	-	-	300	300
<b>TOTALS</b>		<b>-</b>		<b>-</b>	<b>580</b>	<b>3,300</b>	<b>1,100</b>	<b>100</b>	<b>5,080</b>	<b>5,080</b>

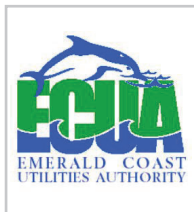
PRIOR YEARS -  
5 YR PROJECTION 5,080  
**5,080**



**WATER DISTRIBUTION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT
CW0001	EPA Resiliency Study - Water	75		-	-	-	-	-		-
CW0002	Pensacola Bay WA Main Replacement	5,500		-	4,000	-	-	-		4,000
CW0003	Michigan Ave. Transmission Main Ph II	30		-	150	1,820	-	-		1,970
CW0008	East Hill 24-inch Transmission	200		-	2,000	-	-	-		2,000
CW611	Michigan Ave. Transmission Main Ph I	2,350		-	-	-	-	-		-
CW880	PB Emergency WA Supply Line	700		-	-	-	-	-		-
CW	Water Meter Repair Shop	-		-	750	-	-	-		750
<b>TOTALS</b>		<b>8,855</b>		<b>-</b>	<b>6,900</b>	<b>1,820</b>	<b>-</b>	<b>-</b>		<b>8,720</b>

PRIOR YEARS	8,855
5 YR PROJECTION	8,720
	<u><b>17,575</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CW0001

Program: Water Distribution

Project Title: EPA Resiliency Study Water

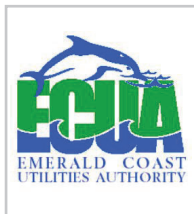
Project Manager: T Dawson

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	75	0	0	0	0	0	75
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	75	0	0	0	0	0	75

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	SYSTEM WIDE
ENV. ASSESSMENT _____	
ENGINEERING <u>75,000</u>	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> <u>75,000</u>	

**DESCRIPTION:**

On October 23, 2018, America's Water Infrastructure Act (AWIA) was signed into law. The law requires community (drinking) water systems serving more than 3,300 people to develop or update risk assessments and emergency response plans (ERPs). The law specifies the components that risk assessments and ERPs must address, and establishes deadlines by which water systems must certify to EPA completion of the risk assessment and ERP. Each community water system serving a population greater than 3,300 persons shall assess the risks to, and resilience of, its system.



# PROJECT DATA SHEET

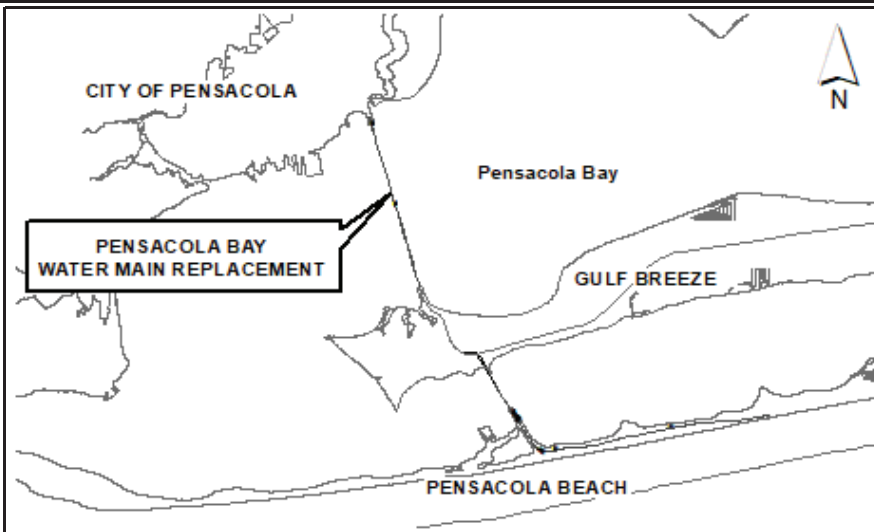
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW0002  
Program: Water Distribution  
Project Title: Pensacola Bch WA Redundant Sup  
Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	5,500	0	4,000	0	0	0	9,500
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	5,500	0	4,000	0	0	0	9,500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	1,000,000
SURVEY	
CONSTRUCTION	9,500,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	10,500,000



The map illustrates the project area for the Pensacola Bay Water Main Replacement. It shows the coastline of the City of Pensacola and Gulf Breeze, with Pensacola Bay to the north and Pensacola Beach to the south. A callout box labeled 'PENSACOLA BAY WATER MAIN REPLACEMENT' points to a specific section of the water main along the coast. A north arrow is located in the top right corner.

### DESCRIPTION:

During the FDOT's Pensacola Bay Bridge Design-Build project, ECUA had water main relocations at both the north and south approaches. ECUA has been made aware of chlorine degradation over time in HDPE water pipe by local failures. ECUA sent three samples of the HDPE water pipe that was placed out of service during this relocation to be tested. It was determined that the existing HDPE water pipe has signs of chlorine degradation and needs to be replaced. The first phase of this project (CW109 - Pensacola Bay WM Evaluation) will provide the study to replace the subaqueous water mains that provide water to Pensacola Beach. Subsequent phases will provide the Engineering and Construction through this project.



# PROJECT DATA SHEET

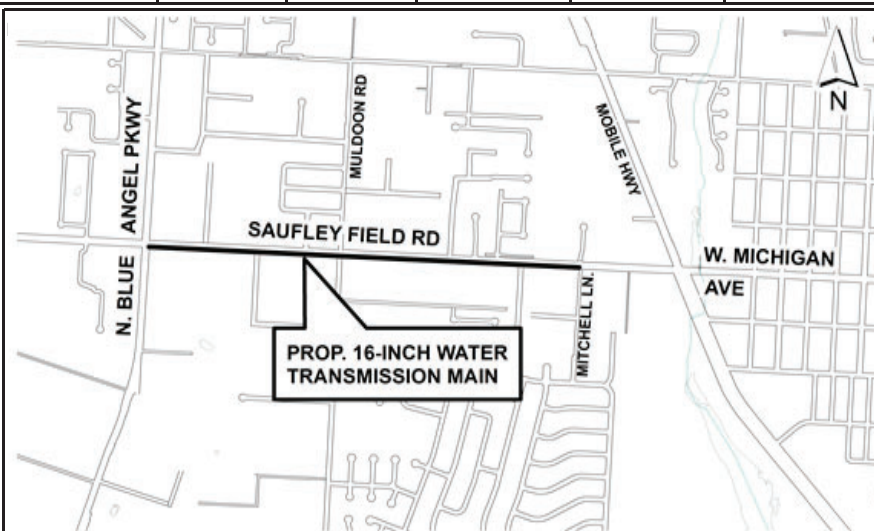
## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CW0003  
 Program: Water Distribution  
 Project Title: Michigan Transmission Phase 2  
 Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	30	0	150	1,820	0	0	2,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	30	0	150	1,820	0	0	2,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	150,000
SURVEY	30,000
CONSTRUCTION	1,820,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,000,000



### DESCRIPTION:

A new 16-inch transmission main is proposed to be constructed down Michigan Avenue from the Mitchell Lane west to Blue Angel Parkway. This is Phase II of IV and is needed in order to supply water to the north and south zones. The existing water mains on Saufley Field Road are undersized. The size restriction of the existing transmission main will prevent the Carriage Hills Booster Pump Station from operating efficiently.



# PROJECT DATA SHEET

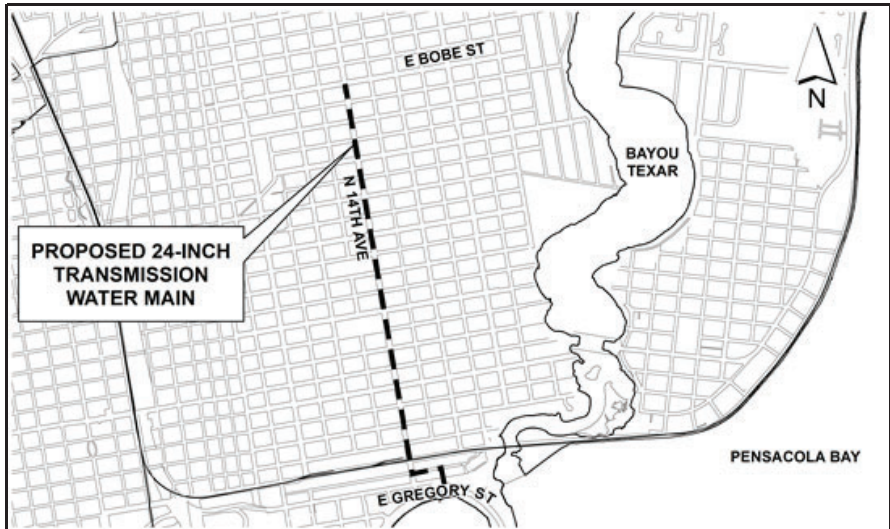
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW0008  
Program: Water Distribution  
Project Title: East Hill 24-inch Transmission WM  
Project Manager: B. Knight

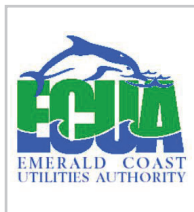
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	200	0	2,000	0	0	0	2,200
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	200	0	2,000	0	0	0	2,200

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	160,000
SURVEY	40,000
CONSTRUCTION	2,000,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,200,000



### DESCRIPTION:

A new 24-inch transmission water main is proposed to be constructed along the east side of 14th Avenue from "Little Gregory" Street (the northern 24-inch connection constructed during the FDOT's 17th Avenue Intersection project) to Bobe Street. This proposed transmission main will complete the transmission water main to supply Pensacola Beach with a transmission main and not the smaller distribution mains. Engineering and Surveying shall begin in FY 2021 - 2022 with an anticipated construction to begin in FY 2023.



# PROJECT DATA SHEET

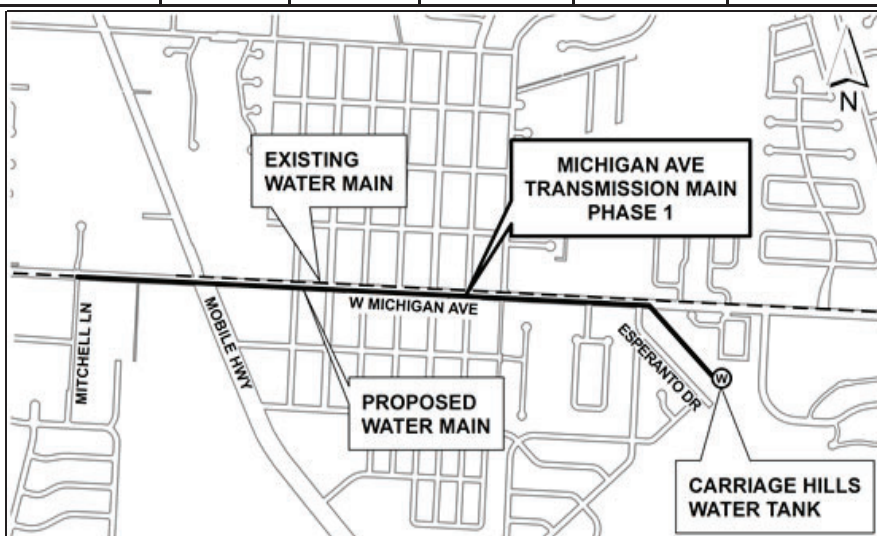
## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CW611  
 Program: Water Distribution  
 Project Title: Michigan Transmission Phase 1  
 Project Manager: B. Knight

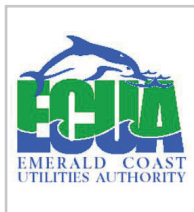
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	2,350	0	0	0	0	0	2,350
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	2,350	0	0	0	0	0	2,350

ESTIMATED PROJECT COSTS	
Project Start Date: 2020	
ENV. ASSESSMENT	
ENGINEERING	215,000
SURVEY	
CONSTRUCTION	2,135,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,350,000



### DESCRIPTION:

A new 16-inch transmission water main is proposed to be constructed down Michigan Avenue from the Carriage Hills tank and booster station (recently constructed) to Mitchell Lane. This is Phase I of IV and is needed in order to supply water to the north and south zone. The existing water mains on Michigan Avenue are undersized (two 8-inch transite mains). The size restriction of the existing transmission main prevents the Carriage Hills Booster Pump Station from operating efficiently.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW880  
Program: Water Distribution  
Project Title: PB Emergency WA Supply Line

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	700	0	0	0	0	0	700
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	700	0	0	0	0	0	700

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 2/1/2017	
ENV. ASSESSMENT	
ENGINEERING 70,000	
SURVEY	
CONSTRUCTION 630,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 700,000	

### DESCRIPTION:

There is currently a single large diameter waterline from the Pensacola Beach Tank and Pump Station to the main business district around Casino Beach. If failure were to occur in this section of waterline, then an adequate amount of water could not be provided to most of the Pensacola Beach area. This project will result in the selection, design, and construction of a redundant feed from the tank and pump station to Pensacola Beach.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: CW

Program: Water Distribution

Project Title: Water Meter Repair Shop

Fiscal Years: 2022-2026

Project Manager:: Brian Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0		750				750
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	750	0	0	0	750

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 100,000	
SURVEY	
CONSTRUCTION 400,000	
EQUIPMENT 250,000	
MATERIAL	
LAND	
TOTAL 750,000	

### DESCRIPTION:

The Regional Services department is responsible for repair and maintenance of all water meters. In order to improve the service provided to customers and ensure that the revenue generated from the sale of water is accurate, Regional Services has proposed a re-organization of the department to include a Meter Maintenance division. This division will install, test, maintain, and repair all of ECUA's water meters. The current meter repair shop is small and has insufficient space for the two meter repair technicians that use it currently. The Meter Maintenance division will consist of eight meter repair technicians and a supervisor. A new meter repair shop with adequate space to work on meters and storage for meters, spare parts, and testing equipment is critical to the success of the division. Additionally, the meter test bench which is currently used to test the accuracy of meters is outdated and in need of replacement. The current test bench was made in 1972 and as such does not have the capacity to have information entered or stored in an electronic format. This makes setting up a test, documenting results, and archiving those records unnecessarily time-consuming with repetitive data entry. A new test bench would include electronic data entry and record keeping. It would also be designed to meet the current standards for testing the accuracy of the water meter as established by the manufacturer and the American Water Works Association.

This project will result in the construction of a new meter repair shop with sufficient work space for eight meter repair technicians and a supervisor, adequate storage space for meters, parts and testing equipment in a climate-controlled environment, and a new meter test bench.

The project budget includes funds for the engineering required to permit and prepare a site for the shop, design of a new building on property already owned by ECUA or renovation of an existing building, the purchase of workbenches and office furniture for repairs and administrative duties, and a new meter test bench.



**WATER DISTRIBUTION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CW	Misc Area Wide Water System Extensions	-		-	100	100	100	100		400	400
CW	Gaberonne Swamp Water Main	-		-	200	-	-	-		200	200
CW	Michigan Ave. Transmission Main Ph III	-		-	280	2,800	-	-		3,080	3,080
CW	Michigan Ave. Transmission Main Ph IV	-		-	-	100	1,000	-		1,100	1,100
CW	Scenic/Langley WL Replacment	-		-	-	300	-	-		300	300
<b>TOTALS</b>		-		-	<b>580</b>	<b>3,300</b>	<b>1,100</b>	<b>100</b>		<b>5,080</b>	<b>5,080</b>

PRIOR YEARS	-
5 YR PROJECTION	5,080
	<u><b>5,080</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW

Program: Water Distribution

Project Title: Area Wide WA SYS Upgrade

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	100	100	200	100	500
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	100	100	200	100	500

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING 70,000	
SURVEY	
CONSTRUCTION 430,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 500,000	

**DESCRIPTION:**

Some parts of ECUA's service area are not currently served by water lines. This program would provide funds for water line extension to reach existing neighborhoods currently served by individual potable supply wells. Individual projects such as Innerarity Point, Bauer Road, Mobile Highway and Beulah have been identified. Other individual projects will be identified on a case by case basis.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW  
Program: Water Distribution  
Project Title: Gaberonne Swamp Water Main

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	200	0	0	0	200
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	200	0	0	0	200

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 2/28/2018	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 200,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 200,000	

### DESCRIPTION:

In the summer of 2016, there was a water main break on the existing 8" cast iron water main along Scenic Highway, just south of Langley Avenue. ECUA was able to valve this location off with no customer outages. Due to Gaberonne Swamp, it has been determined more feasible to install a 10" HDPE water main via directional bore. Staff has prepared plans in-house and obtained the FDOT permit to complete the construction.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW\_\_\_\_\_

Program: Water Distribution

Project Title: Michigan Transmission Phase 3

Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	280	2,800	0	0	3,080
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	280	2,800	0	0	3,080

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	240,000
SURVEY	40,000
CONSTRUCTION	2,800,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	3,080,000

MICHIGAN AVENUE TRANSMISSION WATER MAIN PHASE 3

CARRIAGE HILLS BOOSTER PUMP

ESPERANTO DR

MICHIGAN AVE

N

### DESCRIPTION:

A new 12-inch transmission main is proposed to be constructed down Michigan Avenue from the Carriage Hills tank and booster station (recently constructed) to East W Street. This is Phase III of IV and is needed in order to supply water to the north and south zone. The existing water mains on Michigan Avenue are undersized. The size restriction of the existing transmission main prevents the Carriage Hills Booster Pump Station from operating efficiently.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CW \_\_\_\_\_

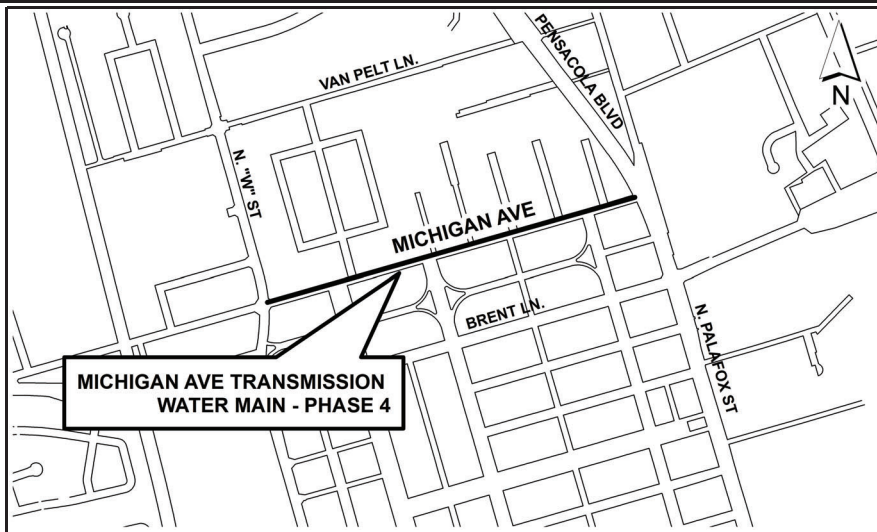
Program: Water Distribution

Project Title: Michigan Transmission Phase 4

Project Manager: B. Knight

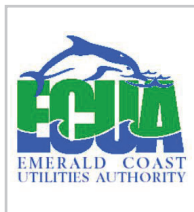
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	0	100	1,000	0	1,100
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	0	100	1,000	0	1,100

ESTIMATED PROJECT COSTS	
Project Start Date: _____	
ENV. ASSESSMENT	_____
ENGINEERING	100,000
SURVEY	_____
CONSTRUCTION	1,000,000
EQUIPMENT	_____
MATERIAL	_____
LAND	_____
TOTAL	1,100,000



### DESCRIPTION:

A new 12-inch transmission main is proposed to be constructed down Michigan Avenue from W Street east to Pensacola Boulevard. This is Phase IV of IV and is needed in order to supply water to the north and south zones. The existing water mains on Michigan Avenue are undersized. The size restriction of the existing transmission main prevents the Carriage Hills booster pump station from operating efficiently.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CW  
Program: Water Distribution  
Project Title: Scenic/Langley WL Replacement  
Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	0	300	0	0	300
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	0	300	0	0	300

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 2/13/2019	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 300,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 300,000	

### DESCRIPTION:

Due to re-occurring line breaks on a water main located along Scenic Hwy (supply main paralleling Spanish Trail Rd), the main has been valved shut. Having wetlands along Scenic Hwy, the addition of a new main on Spanish Trail Rd to take the place of the main on Scenic Hwy was deemed an acceptable alternative. In addition, an existing dead-end main on Spanish Trail Rd would be addressed by this project. The project consists of a South portion (Maygarden Rd north for approx. 1500 feet) and a North portion (Langley Ave to La Mirage). The required work would consist of approximately 4,000-foot of 8-inch PVC water main. A preliminary design by in-house staff has been completed.

**WATER DISTRIBUTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW0001	Innerarity Rd Perdido Key WA Sys Improvement	750	-	-	-	-	-	-	750
RW0016	Transite WM Replacement	1,000	1,500	3,000	3,500	4,000	4,000	16,000	17,000
RW0017	Scenic Hills Country Club Water Main Upgrade	-	1,000	-	-	-	-	1,000	1,000
RW0030	Doris, Powell, Rose & Figland WA MN	-	-	-	25	375	-	400	400
RW0031	Water Distribution System Upgrade	-	750	-	-	-	-	750	750
RW067	Water Quality Pipe Upgrades	250	500	100	100	100	100	900	1,150
RW621	East Hill Water Line Upgrade Ph I	600	-	400	-	-	-	400	1,000
RW818	Water Service Renewals	1,350	1,000	1,000	1,000	750	750	4,500	5,850
RW820	Downtown Water System Grid Improvements	1,822	-	-	500	500	500	1,500	3,322
RW906	Antiquated Water Line Replacement	5,784	1,500	1,500	1,500	1,500	1,500	7,500	13,284
RW922	Water Meter Replacement	2,580	2,100	2,100	2,100	2,100	2,100	10,500	13,080
<b>TOTALS</b>		<b>14,136</b>	<b>8,350</b>	<b>8,100</b>	<b>8,725</b>	<b>9,325</b>	<b>8,950</b>	<b>43,450</b>	<b>57,586</b>

PRIOR YEARS                      14,136  
5 YR PROJECTION                43,450  
57,586

**WATER DISTRIBUTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW	Cantonment Water Line Upgrade	-	-	-	500	500	-	1,000	1,000
RW	Greenbay, Eureka, La Rosa Water Line Upgrade	-	-	-	-	500	-	500	500
RW	Meadson Water Line Upgrade	-	-	-	-	500	-	500	500
RW	Lucy Street Water Main Upgrade	-	-	-	-	125	-	125	125
RW	Central Business District Grid Study	-	-	-	-	-	200	200	200
RW	Donelson Water Line Upgrade	-	-	-	-	125	-	125	125
RW	Saufley Pines - Turkey Road Upgrade	-	-	-	-	250	-	250	250
RW	Detroit Area Water Line Upgrade	-	-	-	-	1,000	1,000	2,000	2,000
RW	East Hill Water Line Upgrade	-	-	1,000	1,000	1,000	-	3,000	3,000
RW	Englewood Area Water Line Replacement	-	-	500	500	500	-	1,500	1,500
RW	Highway 29 Water Main Upgrade	-	-	200	2,100	-	-	2,300	2,300
RW	Leak Detection Services	-	-	20	10	10	10	50	50
RW	LCR Compliance	-	-	1,100	1,000	1,000	1,000	4,100	4,100
RW	Oleander ST WM Replacement	-	-	105	-	-	-	105	105
RW	Wycliff Dr WM Replacement	-	-	110	-	-	-	110	110
RW	Coldsprings Dr WM Replacement	-	-	100	-	-	-	100	100
RW	Royce St. Area Water Main Replacement	-	-	1,000	1,000	1,000	-	3,000	3,000
RW	Osceola Country Club Area Water Main Upgrade	-	-	500	500	500	-	1,500	1,500
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>4,635</b>	<b>6,610</b>	<b>7,010</b>	<b>2,210</b>	<b>20,465</b>	<b>20,465</b>

PRIOR YEARS                      -  
5 YR PROJECTION                20,465  
20,465

**WATER DISTRIBUTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW0001	Innerarity Rd Perdido Key WA Sys Improvement	750	-	-	-	-	-	-	750
RW0016	Transite WM Replacement	1,000	1,500	3,000	3,500	4,000	4,000	16,000	17,000
RW0017	Scenic Hills Country Club Water Main Upgrade	-	1,000	-	-	-	-	1,000	1,000
RW0030	Doris, Powell, Rose & Figland WA MN	-	-	-	25	375	-	400	400
RW0031	Water Distribution System Upgrade	-	750	-	-	-	-	750	750
RW067	Water Quality Pipe Upgrades	250	500	100	100	100	100	900	1,150
RW621	East Hill Water Line Upgrade Ph I	600	-	400	-	-	-	400	1,000
RW818	Water Service Renewals	1,350	1,000	1,000	1,000	750	750	4,500	5,850
RW820	Downtown Water System Grid Improvements	1,822	-	-	500	500	500	1,500	3,322
RW906	Antiquated Water Line Replacement	5,784	1,500	1,500	1,500	1,500	1,500	7,500	13,284
RW922	Water Meter Replacement	2,580	2,100	2,100	2,100	2,100	2,100	10,500	13,080
<b>TOTALS</b>		<b>14,136</b>	<b>8,350</b>	<b>8,100</b>	<b>8,725</b>	<b>9,325</b>	<b>8,950</b>	<b>43,450</b>	<b>57,586</b>

PRIOR YEARS	14,136
5 YR PROJECTION	43,450
	<u><b>57,586</b></u>





# PROJECT DATA SHEET

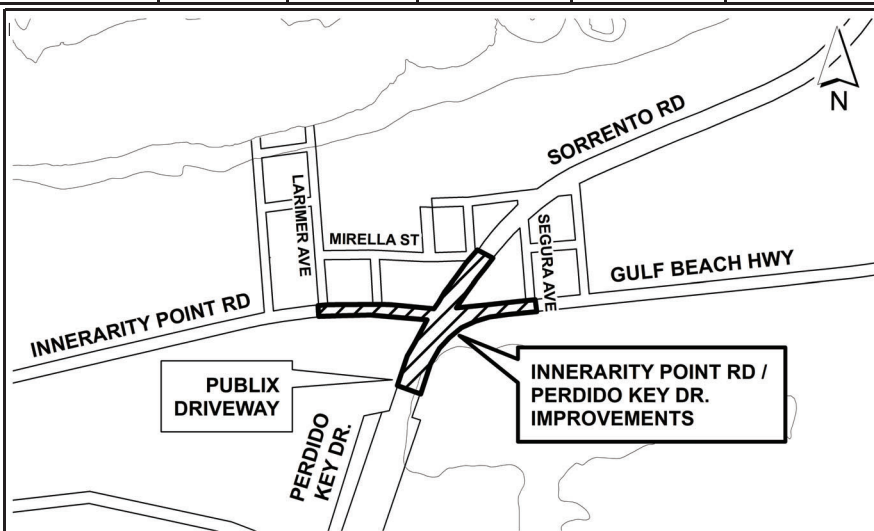
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW0001  
Program: Water Distribution  
Project Title: Innerarity RD/Perdido Key Improv  
Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	750	0	0	0	0	0	750
TOTAL	750	0	0	0	0	0	750

ESTIMATED PROJECT COSTS	
Project Start Date: September 2020	
ENV. ASSESSMENT	
ENGINEERING	25,000
SURVEY	
CONSTRUCTION	725,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	750,000



### DESCRIPTION:

The FDOT plans to widen and install drainage improvements near the intersection of Sorrento Road and Innerarity Point Road. Due to the intersection improvements, some of ECUA's water and sewer facilities are in direct conflict. ECUA had RW402S - Innerarity/Perdido Key Area Pipe & Valve Improvements project budgeted to consolidate the existing water mains and provide a more efficient distribution system for the Innerarity Point Tank and Booster Pump Station. In order to eliminate construction coordination between multiple contractors, as well as minimize disruptions to the local residents and customers, ECUA entered into a Utility Work by Highway Contractor Agreement (UWHC) with the FDOT to have their contractor perform the needed utility relocations and improvements. The FDOT has awarded the contract to Roads, Inc. The ECUA relocation should be completed within FY 2021.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW0016

Program: Water Distribution

Project Title: Transite WM Replacement

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1000	1,500	3,000	3,500	4,000	4,000	17,000
TOTAL	1,000	1,500	3,000	3,500	4,000	4,000	17,000

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT	
ENGINEERING 2,000,000	
SURVEY	
CONSTRUCTION 15,000,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 17,000,000	

### DESCRIPTION:

This project is the replacement of antiquated cement asbestos (also known as CA or Transite) water mains that have reached the end of their useful life. ECUA has approximately 300 miles of transite main that is responsible for a large percentage of water main breaks and other related problems. Transite water main replacement projects will be prioritized based on several risk factors and history of breaks. This is a multi-year undertaking and is estimated to take 15-years or more to completely replace all of the transite pipe.



# PROJECT DATA SHEET

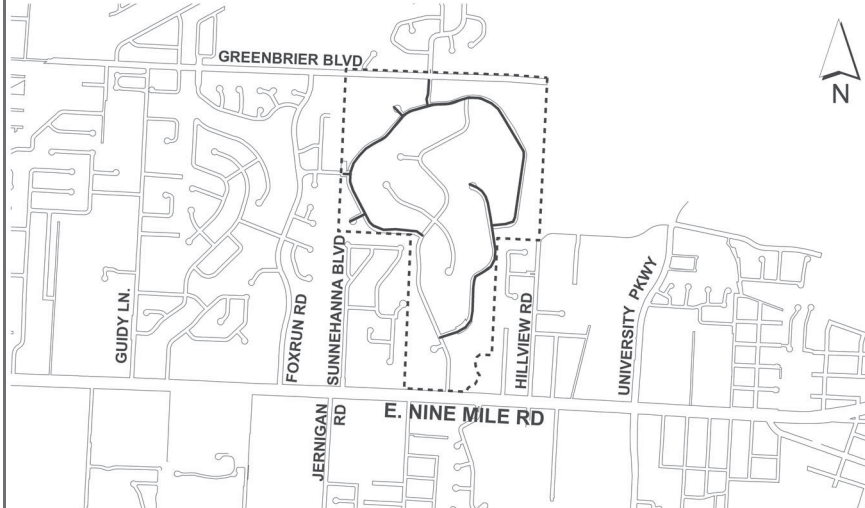
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW0017  
Program: Water Distribution  
Project Title: Scenic Hills CC WM Replace Ph2  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	1,000	0	0	0	0	1,000
TOTAL	0	1,000	0	0	0	0	1,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	1,000,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,000,000



A detailed map of a project area. The map shows a network of streets including Greenbrier Blvd at the top, University Pkwy on the right, and E. Nine Mile Rd at the bottom. A central area is outlined with a dashed line, indicating the project site. This area is bounded by Sunnehanna Blvd to the west, Hillview Rd to the east, and Foxrun Rd to the south. Other streets shown include Guidy Ln, Jernigan Rd, and several residential streets. A north arrow is located in the top right corner of the map.

### DESCRIPTION:

The area of Scenic Hills CC (Country Club) in Northeast Pensacola is in need of extensive water main upgrades. There is a large amount of transite water main throughout the neighborhood. Breaks have been reported dated back to 2013 and have increased in frequency becoming more periodic in 2015 and 2016. This project will consist of upgrading the water mains, on the roads listed below, to new PVC water mains.

Limits of Ph 2: Tam O'Shanter Rd from Burning Tree Rd to Greenbriar Blvd, Burning Tree Rd, Meadowbrook Dr, Mid Pines Cir & Pine Needles Cir.



# PROJECT DATA SHEET

## Capital Improvements Program

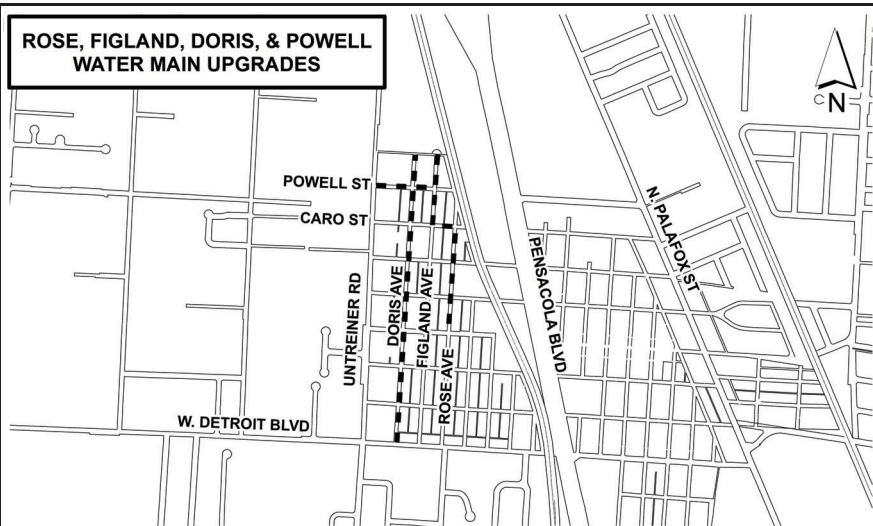
Fiscal Years  
2022-2026

Project no.: RW 0030  
Program: Water Distribution  
Project Title: Rose, Figland, Doris & Powell WM  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	25	375	0	400
TOTAL	0	0	0	25	375	0	400

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	25,000
CONSTRUCTION	375,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	400,000

### ROSE, FIGLAND, DORIS, & POWELL WATER MAIN UPGRADES



### DESCRIPTION:

Project areas have been surveyed and design by in-house staff is complete. Work involves replacement of existing thin walled or small diameter pipes with new water main. Existing mains, as applicable, will be abandoned in place. Fire protection adequacy will be reviewed and verified - new fire hydrant assemblies may be required improve fire protection in specific areas.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW 0031  
 Program: Water Distribution  
 Project Title: Distribution System Upgrades  
 Project Manager: Brian Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	750	750	750	750	750	3,750
TOTAL	0	750	750	750	750	750	3,750

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 10/1/2021	System Wide
ENV. ASSESSMENT 0	
ENGINEERING 250,000	
SURVEY 250,000	
CONSTRUCTION 1,750,000	
EQUIPMENT 750,000	
MATERIAL 750,000	
LAND 0	
TOTAL 3,750,000	

### DESCRIPTION:

The Regional Services Department is responsible for the maintenance of the water distribution system. This annual project will make permanent, structural improvements in the water distribution system that are necessary to prolong the life of the system and provide the best possible service to ECUA's customers. These are examples of the types of improvements that will be completed:

- Replacement of water mains that have exceeded their useful life and now require frequent, expensive emergency maintenance
- Installation of new water mains that interconnect existing water mains in order to address concerns with water supply or quality
- Replacement or upgrade of water meter vaults that are unsafe or have exceeded their useful life
- Replacement of critical water valves that have failed
- Replacement of customer's water services
- Purchase of equipment needed to inspect or maintain the distribution system
- Inspection to anticipate problems and preventative maintenance to prolong the life of the system

This is an annual project to make improvements either on an emergency basis or by working through a priority list of critical projects as circumstances dictate. Engineering services will be provided by the Regional Services staff or an outside firm for larger projects. Construction will be completed by the Regional Services staff or a private contractor if needed. Appropriate materials and equipment will be needed for each project and survey services may be required periodically.



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RW067

Program: Water Distribution

Project Title: Water Quality Pipe Upgrades

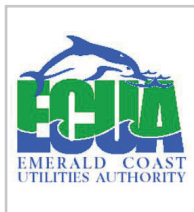
Project Manager: D Liechty

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	250	500	100	100	100	100	1,150
TOTAL	250	500	100	100	100	100	1,150

<b>ESTIMATED PROJECT COSTS</b> <hr/> <b>Project Start Date:</b> _____ <hr/> <b>ENV. ASSESSMENT</b> _____ <b>ENGINEERING</b> _____ <b>SURVEY</b> 100,000 <b>CONSTRUCTION</b> 1,050,000 <b>EQUIPMENT</b> _____ <b>MATERIAL</b> _____ <b>LAND</b> _____ <hr/> <b>TOTAL</b> 1,150,000	MAP  <h1>System Wide</h1>
--	---------------------------------

**DESCRIPTION:**

There are dead-end lines throughout ECUA's water distribution system that can be eliminated by connections to the existing water distribution system. The purpose of this project would be to identify areas where water circulation can be improved by tying to adjacent distribution lines. A looped system provides better water circulation and can



# PROJECT DATA SHEET

## Capital Improvements Program

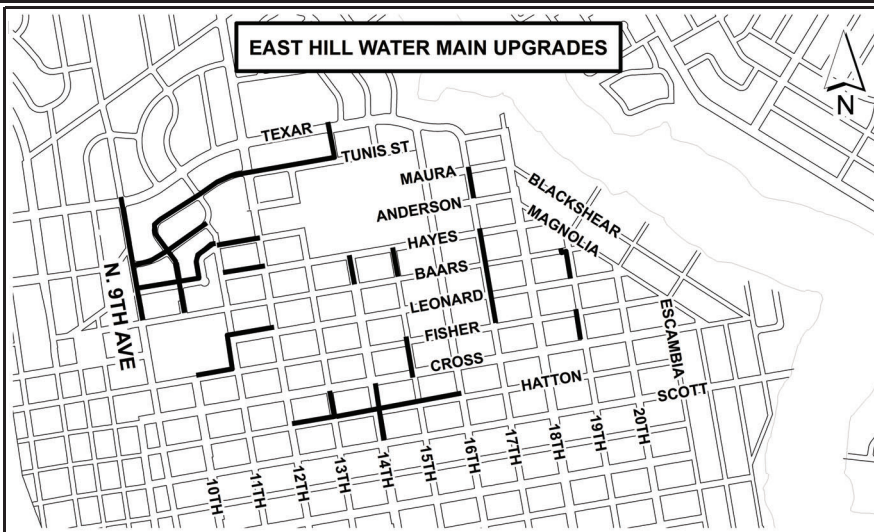
Fiscal Years  
**2022-2026**

Project no.: RW621  
 Program: Water Distribution  
 Project Title: East Hill Water Main Upgrade  
 Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	600	0	400	0	0	0	400
TOTAL	600	0	400	0	0	0	400

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	100,000
SURVEY	
CONSTRUCTION	300,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	400,000

EAST HILL WATER MAIN UPGRADES



The map displays a street grid in East Hill. The project area is highlighted with thick black lines, showing a network of water main upgrades. The streets shown include TEXAR, TUNIS ST, MAURA, ANDERSON, HAYES, BAARS, LEONARD, FISHER, CROSS, HATTON, ESCAMBA, and SCOTT. A north arrow is located in the top right corner. The grid also includes N 9TH AVE, 10TH, 11TH, 12TH, 13TH, 14TH, 15TH, 16TH, 17TH, 18TH, 19TH, 20TH, and MAGNOLIA.

DESCRIPTION:



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW818

Program: Water Distribution

Project Title: Water Service Renewals

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,350	1,000	1,000	1,000	750	750	5,850
TOTAL	1,350	1,000	1,000	1,000	750	750	5,850

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	5,850,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	5,850,000

### DESCRIPTION:

ECUA maintenance crews continue to repair leaking water services. The ECUA is responsible for the service from the main to the meter. The majority of these leaks are because of faulty service material. The impact on our operation is cost in overtime to make unscheduled repairs/replacements coupled with customer dissatisfaction from





# PROJECT DATA SHEET

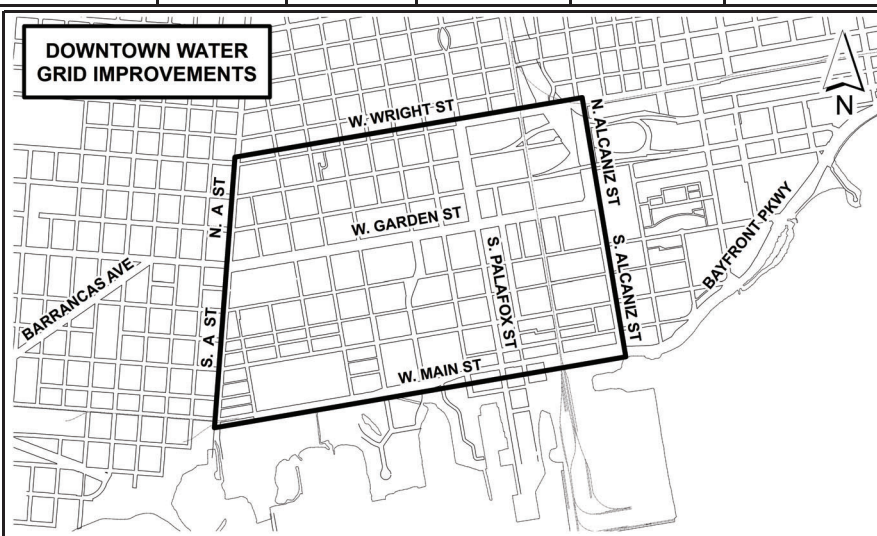
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW820  
Program: Water Distribution  
Project Title: Downtown Water Grid Improve  
Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,822	0	0	500	500	500	3,322
TOTAL	1,822	0	0	500	500	500	3,322

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	3,322,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	3,322,000



DESCRIPTION:
<p>This downtown Pensacola area is the oldest part of ECUA's water system. There is a limited amount of information available regarding the area. The target area of this project is from Wright St. south and from Alacaniz west to "A" St. The first phase of the project will be an engineering study to determine the condition of the water system and the capacity to provide potable water service and adequate fire protection to customers in the area. This study will include the following: a review of system maps, field inspections, flow testing water mains and hydraulic modeling. It is known that the area does not have a sufficient number of valves and long sections of water mains must be shut down when maintenance is required. This results in an interruption of normal water service and fire protection for an excessive number of customers, it is expected, based on the age of the water mains, that some will be in poor condition. This will require cleaning and replacement. The second phase will be to implement some of the immediate improvements recommended by the engineering study such as cleaning or replacing water mains, installing new valves, and making new connections between existing water mains. The study will also make long term recommendations to be implemented in future projects.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW906  
 Program: Water Distribution  
 Project Title: Antiquated WM Replacements  
 Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	5,784	1,500	1,500	1,500	1,500	1,500	13,284
TOTAL	5,784	1,500	1,500	1,500	1,500	1,500	13,284

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING 800,000	
SURVEY 200,000	
CONSTRUCTION 12,284,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 13,284,000	

**DESCRIPTION:**

ECUA's water system contains over 65 miles of antiquated galvanized water mains. Many of the mains are small (2-inch or 4-inch) diameter galvanized iron that do not provide for fire protection. In addition, over many years, trace minerals have accumulated on the pipe walls that can significantly reduce capacity and pressure and eventually lead to water quality issues. This program provides for replacement and upgrade of antiquated lines as areas are prioritized and subject to availability of funds.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW922  
Program: Water Distribution  
Project Title: Water Meter Replacement  
Project Manager: B Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	2,580	2,100	2,100	2,100	2,100	2,100	13,080
TOTAL	2,580	2,100	2,100	2,100	2,100	2,100	13,080

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	N/A - VARIOUS LOCATIONS
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 12,980,000	
MATERIAL	
LAND	
TOTAL 12,980,000	

### DESCRIPTION:

ECUA has approximately 91,000 residential meters currently in service. The water meters are backed by a 10-year warranty. The majority of these meters were installed between 2007-2009. As such, the warranty period has expired for many of these meters. The replacement of meters or components has become much more frequent since 2016. By budgeting to replace 10% of these meters every year, the meters can be replaced in a timely manner without having to estimate customers' usage. The 10-year replacement cycle will also result in the majority of meters being under warranty.

**WATER DISTRIBUTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RW	Cantonment Water Line Upgrade	-	-	-	500	500	-	1,000	1,000
RW	Greenbay, Eureka, La Rosa Water Line Upgrade	-	-	-	-	500	-	500	500
RW	Meadson Water Line Upgrade	-	-	-	-	500	-	500	500
RW	Lucy Street Water Main Upgrade	-	-	-	-	125	-	125	125
RW	Central Business District Grid Study	-	-	-	-	-	200	200	200
RW	Donelson Water Line Upgrade	-	-	-	-	125	-	125	125
RW	Saufley Pines - Turkey Road Upgrade	-	-	-	-	250	-	250	250
RW	Detroit Area Water Line Upgrade	-	-	-	-	1,000	1,000	2,000	2,000
RW	East Hill Water Line Upgrade	-	-	1,000	1,000	1,000	-	3,000	3,000
RW	Englewood Area Water Line Replacement	-	-	500	500	500	-	1,500	1,500
RW	Highway 29 Water Main Upgrade	-	-	200	2,100	-	-	2,300	2,300
RW	Leak Detection Services	-	-	20	10	10	10	50	50
RW	LCR Compliance	-	-	1,100	1,000	1,000	1,000	4,100	4,100
RW	Oleander ST WM Replacement	-	-	105	-	-	-	105	105
RW	Wycliff Dr WM Replacement	-	-	110	-	-	-	110	110
RW	Coldsprings Dr WM Replacement	-	-	100	-	-	-	100	100
RW	Royce St. Area Water Main Replacement	-	-	1,000	1,000	1,000	-	3,000	3,000
RW	Osceola Country Club Area Water Main Upgrade	-	-	500	500	500	-	1,500	1,500
<b>TOTALS</b>		-	-	<b>4,635</b>	<b>6,610</b>	<b>7,010</b>	<b>2,210</b>	<b>20,465</b>	<b>20,465</b>

PRIOR YEARS	-
5 YR PROJECTION	20,465
	<u><b>20,465</b></u>



# PROJECT DATA SHEET

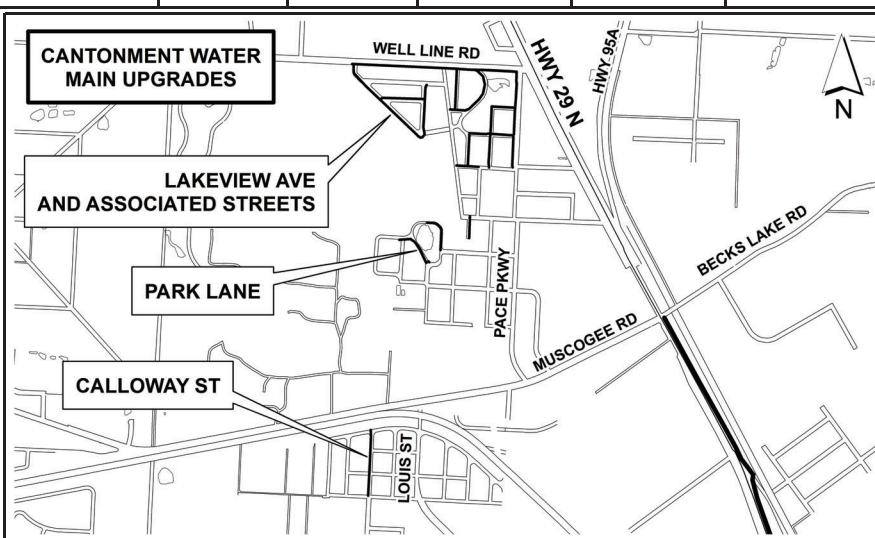
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW  
 Program: Water Distribution  
 Project Title: Cantonment Water Main Upgrade  
 Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	500	500	0	1,000
TOTAL	0	0	0	500	500	0	1,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	25,000
CONSTRUCTION	975,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,000,000



**DESCRIPTION:**

Plans were developed (CIP #RW406F) by in-house staff in 2016 - for the replacement / upgrading of existing watermain. This project will increase ECUA's ability to serve present customers and increase the reliability of the system by eliminating galvanized and steel water lines and providing better fire service. Additional surveying may be



# PROJECT DATA SHEET

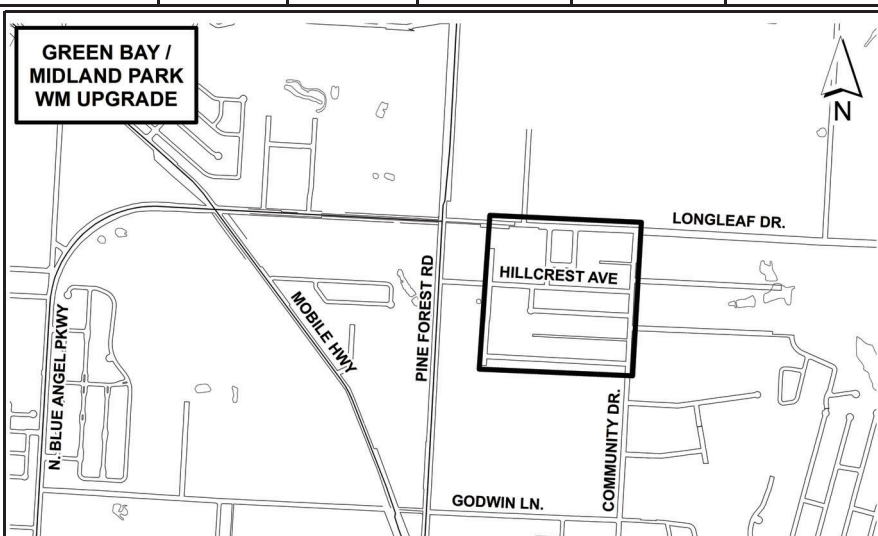
## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RW  
 Program: Water Distribution  
 Project Title: Green Bay/Midland Park WM Upg  
 Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	500	0	500
TOTAL	0	0	0	0	500	0	500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	50,000
CONSTRUCTION	450,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	500,000



### DESCRIPTION:

The Green Bay Ave / Midland Park Dr area of Escambia County, shown on the map above with project limits of Longleaf Dr (north), Temple Ln (west), Midland Park Dr (south) & Community Dr (east), has multiple streets supplied by inadequate 2-inch water mains. These are adjacent streets with 2-inch galvanized lines. The existing substandard lines need to be replaced. New 6-inch mains with fire hydrants will improve fire protection for homes in the area.

Work is proposed on the following streets below with an approx. footage of pipe to replace:

- La Rosa St - 650 LF
- Green Bay Ave - 1,700 LF
- French Ave - 350 LF
- Temple Ln - 1,350 LF
- Midland Park Dr - 2,000 LF
- Hillcrest Ave - 1,600 LF



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW  
Program: Water Distribution  
Project Title: Meadson Water Main Upgrades  
Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	500	0	500
TOTAL	0	0	0	0	500	0	500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	50,000
CONSTRUCTION	450,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	500,000

MEADSON  
WM UPGRADES

A map showing the location of the Meadson WM Upgrades project. The project area is outlined in thick black and includes Meadson Ln and Tarkiln Way. Surrounding roads include Meadson Point Rd, Perdido Bay, Seratine Dr, Bauer Rd, and Meadson Rd. Jim C. Bailey Middle School is located to the southeast. A north arrow is in the top right corner.

### DESCRIPTION:

Previously, residents in the Meadson Subdivision approached the ECUA board and requested an upgrade of their waterlines because they are old and undersized. The President of Meadson Roadway Association Inc. expressed concerns about fire protection, low pressure and dirty water. Based on GIS Maps, most of the existing water mains in this area are 3-inch & 4-inch PVC. Portions of the existing waterlines are under the gravel roadways. New lines should be placed out from under the roadways. Waterlines would be installed on Tarkiln Way, Meadson Lane and Meadson Point Road which are currently supplied only by long service lines. Approx. 5,000 LF of new 6-inch water mains and hydrants would be installed, as necessary, to provide fire protection throughout the area. Because the subdivision is unplatted with privately owned roads, rights-of-way and easement issues will need to be addressed.





# PROJECT DATA SHEET

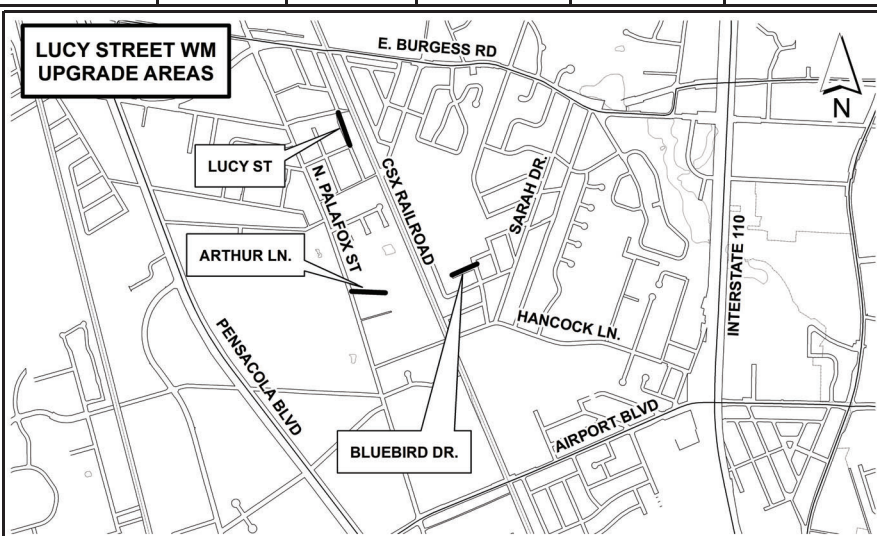
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW  
Program: Water Distribution  
Project Title: Lucy Street WM Upgrade  
Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	125	0	125
TOTAL	0	0	0	0	125	0	125

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	15,000
CONSTRUCTION	110,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	125,000



**DESCRIPTION:**

ECUA staff discovered that Lucy Street is supplied by a 2-inch water line while doing utility relocates. Customers on Lucy Street have complained of low pressure. In addition to replacing approximately 400 LF of galvanized water main on Lucy Street, this project would also target replacing galvanized water main on other nearby roads (approximately 400 LF on Bluebird Drive and approximately 600 LF on Arthur Lane). This project will involve replacement of these small lines with 4 or 6 inch pipe and renewing water services.





**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RW

Program: Water Distribution

Project Title: Central Business Dist Grid Study

Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	0	200	200
TOTAL	0	0	0	0	0	200	200

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING <u>200,000</u>	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL <u>200,000</u>	

**DESCRIPTION:**

Due to the high number of very old water mains in the Central Business District, an engineering study is necessary to define the condition of the water main grid and its ability to provide potable water service to existing customers as well as adequate fire protection. The engineering study will provide sufficient information to determine the necessary scope of work and resultant cost of capital improvements.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2024**

Project no.: RW \_\_\_\_\_

Program: Water Distribution

Project Title: N. Donelson Street WM Upgrade

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	125	0	125
TOTAL	0	0	0	0	125	0	125

ESTIMATED PROJECT COSTS	
Project Start Date: _____	
ENV. ASSESSMENT	_____
ENGINEERING	_____
SURVEY	15,000
CONSTRUCTION	110,000
EQUIPMENT	_____
MATERIAL	_____
LAND	_____
TOTAL	125,000

W. GREGORY ST

NORTH A ST

W. GARDEN ST

N. COYLE ST

W. GARDEN ST

N. DONELSON ST  
WM UPGRADE

W. GOVERNMENT ST

S. PALAFOX ST

N. PALAFOX ST

BARRANCAS AVE

SOUTH A ST

### DESCRIPTION:

N. Donelson Street is located downtown east of "A" Street - between Gregory and Garden Streets. Customers on N. Donelson Street, two city blocks that extends over 850' in length, are being supplied by 1.25-inch galvanized waterline. Pressure and flow to these customers is inadequate. The existing waterline is under pavement. Scope of work to include approx. 900 LF of 4-inch PVC water main, one road crossing, and approx. 20 new water services.



# PROJECT DATA SHEET

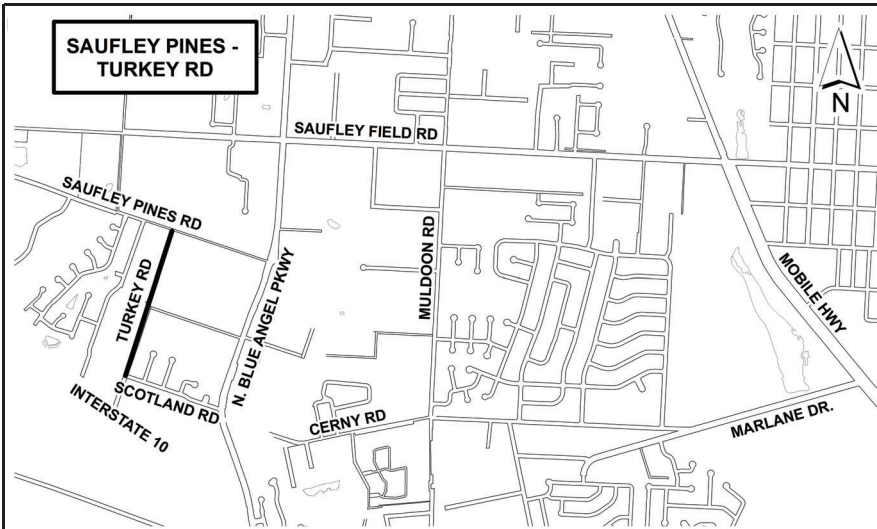
## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RW  
 Program: Water Distribution  
 Project Title: Saufley Pines - Turkey Road  
 Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	250	0	250
TOTAL	0	0	0	0	250	0	250

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	25,000
CONSTRUCTION	225,000
EQUIPMENT	
MATERIAL	
LAND	
<b>TOTAL</b>	<b>250,000</b>



### DESCRIPTION:

To address water quantity and fire protection issues, additional 6-inch (approx. 1,000 LF on Turkey Rd south of Saufley Pines Rd) and 8-inch (approx. 1,200 LF on Turkey Rd north of Scotland Rd) water main is needed. This area is currently served by 4" and smaller lines and experiences low pressure. This project will upgrade the subsystem, provide fire protection, and capacity for growth.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RW\_

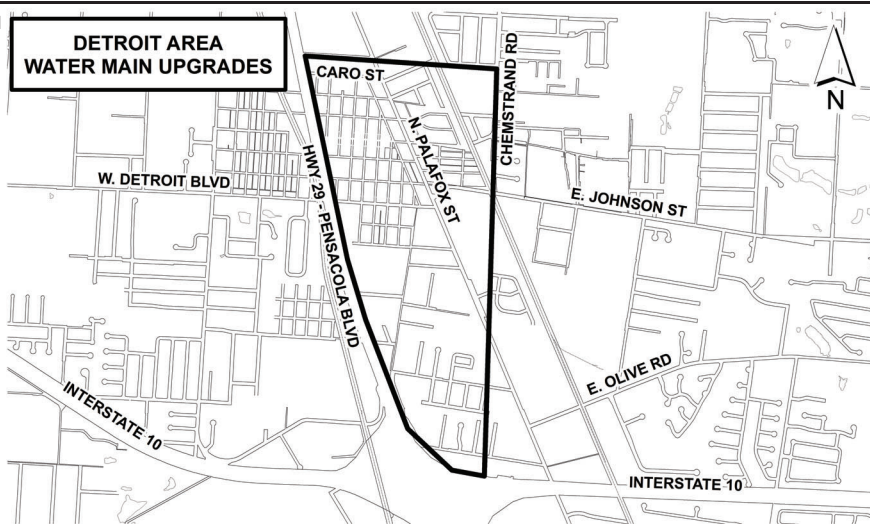
Program: Water Distribution

Project Title: Detroit Area Water Main Upgrade

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	1,000	1,000	2,000
TOTAL	0	0	0	0	1,000	1,000	2,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	100,000
CONSTRUCTION	1,900,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,000,000



### DESCRIPTION:

The W. Detroit Ave area of Escambia County, shown on the map above with project limits of Caro St (north), US Hwy 29 (west), Interstate 10 (south) & Chemstrand Rd (east), has multiple streets supplied by inadequate 2-inch & 2.25-inch water mains. These long stretches of small diameter pipe supply too many services to be able to provide adequate pressure and flow. The existing substandard lines need to be replaced. New 4-inch & 6-inch mains (with fire hydrants for improved fire protection).

Provided below is a list of streets in this project with an approx. footage of pipe and proposed size for construction:

Caro St - 350 LF (6-inch)	Dudley Ave - 1,575 LF (4-inch)
Orange Ave - 2,725 LF (6-inch)	Hollingsworth Ave - 700 LF (4-inch)
Shaw Ave - 400 LF (6-inch)	Frieston Ave - 350 LF (4-inch)
E & W Barber St - 1,100 LF (4-inch)	Hannah Cir - 750 LF (4-inch)
Satsuma Ave - 1,250 LF (4-inch)	Devane St - 950 LF (4-inch)
Mayflower Ave - 2,025 LF (4-inch)	Page St - 1,000 LF (4-inch)
Juniper Ave - 1,900 LF (4-inch)	Poplar Ave - 1,000 LF (6-inch)
Rawls Ave - 300 LF (4-inch)	E Detroit Blvd - 1,000 LF (6-inch)
Pond Ave - 2,425 LF (4-inch)	Austin St - 1,000 LF (4-inch)
Early Dr - 500 LF (4-inch)	Rouse Dr - 500 LF (4-inch)
Laurel Ave - 825 LF (4-inch)	Faye Ave - 525 LF (4-inch)



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW  
 Program: Water Distribution  
 Project Title: East Hill Water Line Upgrade  
 Project Manager:: \_\_\_\_\_

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT		0	1,000	1,000	1,000	0	3,000
TOTAL	0	0	1,000	1,000	1,000	0	3,000

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____ 50,000	
SURVEY _____	
CONSTRUCTION _____ 2,500,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL _____ 2,550,000	

**DESCRIPTION:**

East Hill is a neighborhood in the City of Pensacola with significant amounts of 2-inch galvanized water lines. Replacement of these two-inch lines will improve pressure, flow, and water quality to the City. We propose to divide this project into five phases consisting of 50,000 feet of pipe each.



# PROJECT DATA SHEET

## Capital Improvements Program

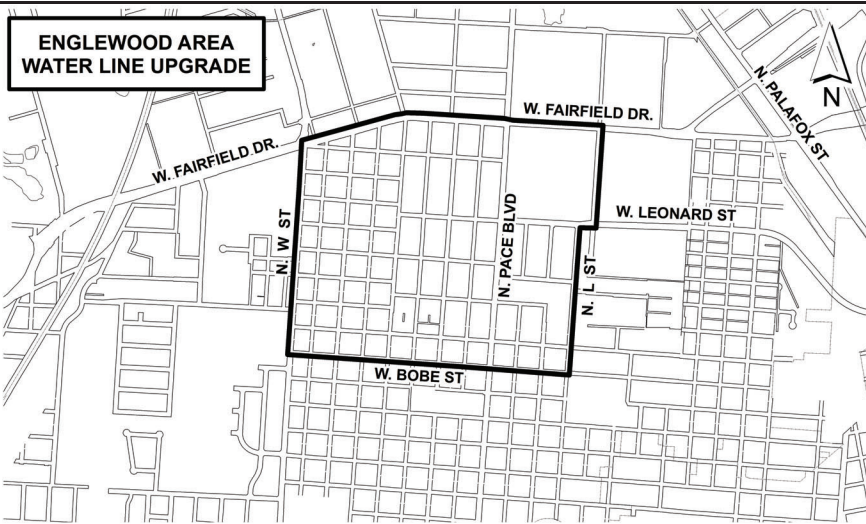
Fiscal Years  
2022-2026

Project no.: RW  
Program: Water Distribution  
Project Title: Englewood Area WA LN Upgrade  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	500	500	500	0	1,500
TOTAL	0	0	500	500	500	0	1,500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	100,000
CONSTRUCTION	1,400,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,500,000

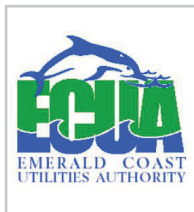
ENGLEWOOD AREA  
WATER LINE UPGRADE



### DESCRIPTION:

The Englewood area of Escambia County, shown on the map above with project limits of Fairfield Drive (north), "W" Street (west), BoBe Street (south) & "L" Street (east), has many streets supplied by old 2-inch galvanized water lines. These substandard lines are in poor, tuberculate condition and need to be replaced. Ideally, these upgrades would be completed in conjunction with the Englewood Sewer Expansion - which is planned as a cost-sharing project with





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW

Program: Water Distribution

Project Title: Hwy 29 WA Line Upgrade

Project Manager::

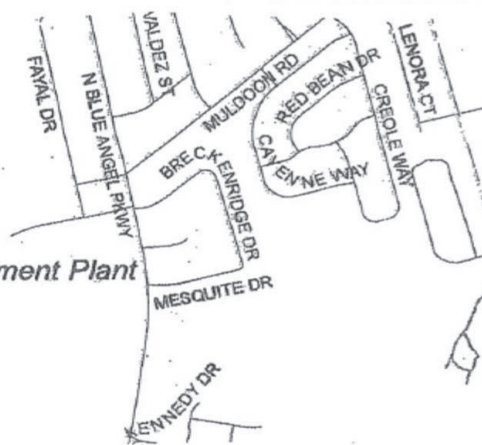
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	200	2,100	0	0	2,300
TOTAL	0	0	200	2,100	0	0	2,300

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	165,000
SURVEY	5,000
CONSTRUCTION	1,580,000
EQUIPMENT	550,000
MATERIAL	
LAND	
TOTAL	2,300,000

MAP

MAP

Bayou Marcus Treatment Plant



### DESCRIPTION:

The effluent from the Bayou Marcus WRF is currently disinfected utilizing an ultraviolet (UV) system that is over 15 years old. We have been notified by the manufacturer that they will be discontinuing support for the existing equipment in the next few years. This project involves removing the old UV system and installing a newer more energy efficient system, that would be sized for future increase in permitted capacity.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW

Program: Water Distribution

Project Title: Leak Detection Services

Project Manager: B Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	20	10	10	10	50
TOTAL	0	0	20	10	10	10	50

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	N/A - VARIOUS LOCATIONS
ENV. ASSESSMENT _____	
ENGINEERING <u>50,000</u>	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL <u>50,000</u>	

DESCRIPTION:
This project is to detect leaks in the water distribution system.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW \_\_\_\_\_

Program: Water Distribution

Project Title: LCR Compliance

Project Manager:: S Hayden

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	1,100	1,000	1,000	1,000	4,100
TOTAL	0	0	1,100	1,000	1,000	1,000	4,100

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	System Wide
ENV. ASSESSMENT _____	
ENGINEERING 500,000	
SURVEY _____	
CONSTRUCTION 3,600,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL 4,100,000	

### DESCRIPTION:

The Environmental Protection Agency (EPA) proposes regulatory revisions to the National Primary Drinking Water Regulation (NPDWR) for lead and copper under the authority of the Safe Drinking Water Act (SDWA). This proposed rule provides more effective protection of public health by reducing exposure to lead and copper in drinking water. This proposed rule also strengthens procedures and requirements related to health protection and the implementation of the existing Lead and Copper Rule (LCR) in the following areas: Lead tap sampling; corrosion control treatment; lead service line replacement; consumer awareness; and public education. In addition, this proposal includes new requirements for community water systems to conduct lead in drinking water testing and public education in schools and child care facilities.

This project is established to implement the changes required by the EPA. This will be a multi-phase, multi-year project to first collect data on all of ECUA's water services then take appropriate actions as directed by the EPA. The total cost impact will be unknown until such time as the initial study is complete. The budget amounts provided are merely estimates and are subject to revision based on evaluation of the water system.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: R

Program: Water Distribution

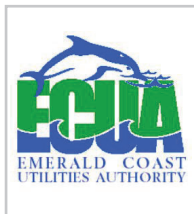
Project Title: Oleander St. WM Replacement

Project Manager:: B.Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	105	0	0	0	105
TOTAL	0	0	105	0	0	0	105

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	105,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	105,000

DESCRIPTION:
Water main replacement on Oleander Street including installation of 1,400 linear feet of 6" PVC water main and transfer of all associated water services.



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: R

Program: Water Distribution

Project Title: Wycliff Dr WM Replacement

Project Manager:: B. Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	110	0	0	0	110
TOTAL	0	0	110	0	0	0	110

ESTIMATED PROJECT COSTS		MAP
Project Start Date:		
ENV. ASSESSMENT		
ENGINEERING		
SURVEY		
CONSTRUCTION	110,000	
EQUIPMENT		
MATERIAL		
LAND		
TOTAL	110,000	

DESCRIPTION:
Water main replacement on Wycliff Drive, including installation of 1,450 linear feet of 6" PVC water main and transfer of all associated water services.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW  
Program: Water Distribution  
Project Title: Royce Street Area WM Upgrades  
Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	1,000	1,000	1,000	0	3,000
TOTAL	0	0	1,000	1,000	1,000	0	3,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	100,000
CONSTRUCTION	2,900,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	3,000,000

ROYCE ST AREA  
WM UPGRADES

Map showing the project area (Royce St Area WM Upgrades) and surrounding streets: Beverly Pkwy, Brent Ln, Bayou Blvd, N Davis Hwy, N 9th Ave, N 12th Ave, Barcia Dr, N Palafax St, and Interstate 110. The map also indicates the location of Pensacola International Airport.

### DESCRIPTION:

The Royce Street area of Escambia County, shown on the map above with project limits of Brent Ln (north), Interstate 110 (west), Barcia Dr (south) & 9th Ave (east), has multiple streets supplied by CA water mains that are old and beginning to break in multiple locations. Existing substandard or undersized water mains need to be replaced. Work would be scheduled and completed in multiple phases.

Work is proposed on the following streets below with an approx. footage of pipe to replace:

Phyllis St - 1,300 LF (6-inch)	Ash Dr - 570 LF (4-inch)
Corday St - 1,400 LF (6-inch)	Boxwood Dr - 2,025 LF (6-inch)
Lynell St - 700 LF (6-inch)	Genetian Dr - 1,500 LF (6-inch)
Lynell St - 600 LF (4-inch)	Warwick Dr - 1,080 LF (6-inch)
Amber St - 1,300 LF (6-inch)	Altamont Rd - 950 LF (4-inch)
Selina St - 1,000 LF (4-inch)	Fairfax Dr - 4,550 LF (8-inch)
Selina St - 1,100 LF (6-inch)	Hart Dr - 1,000 LF (6-inch)
Hewitt St - 500 LF (6-inch)	8th Ave - 1,500 LF (6-inch)
Ditmar St - 2,000 LF (6-inch)	E Highland Dr - 1,650 LF (6-inch)
Skyline Dr - 1,100 LF (6-inch)	Hart Dr - 750 LF (4-inch)
Springdale Cir - 2,650 LF (6-inch)	W Highland Dr - 1,900 LF (6-inch)
Chadwick St - 3,600 LF (6-inch)	8th Ave - 300 LF (6-inch)
Wynnehurst St - 3,700 LF (6-inch)	Barcia Dr - 1,000 LF (6-inch)
Bishop St - 350 LF (4-inch)	
Kenneth St - 350 LF (4-inch)	
Berkley Dr - 5,175 LF (6-inch)	



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RW  
Program: Water Distribution  
Project Title: WM Replace - Osceola CC Area  
Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	500	500	500	0	1,500
TOTAL	0	0	500	500	500	0	1,500

ESTIMATED PROJECT COSTS	
Project Start Date: _____	
ENV. ASSESSMENT	_____
ENGINEERING	_____
SURVEY	_____
CONSTRUCTION	1,500,000
EQUIPMENT	_____
MATERIAL	_____
LAND	_____
TOTAL	1,500,000

OSCEOLA COUNTRY CLUB VICINITY

The map shows the vicinity of the Osceola Country Club. A dashed line outlines a project area that includes a loop on the left side bounded by Sandra Dr, Brenda Ave, and N. 61st Ave, and a larger area on the right bounded by N. 60th Ave, N. 58th Ave, Apache Trl, and W. Fairfield Dr. Within this larger area, there are several smaller loops labeled Seminole Trl, Mohawk Trl, Cherokee Trl, and Osage Trl. To the east of the project area, Talladega Trl and Mobile Hwy are shown, with Sioux Trl branching off Mobile Hwy. A north arrow is located in the top right corner.

### DESCRIPTION:

Replacement of existing 6" Cement Asbestos water mains with new 6" PVC water main. The existing 6" water mains will be abandoned in place. Regional Services has informed ECUA Engineering staff of multiple maintenance issues with this area. The needed work will occur in multiple phases. Targeting work on the following streets and the



# Water Reclamation





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**WATER RECLAMATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS419	PB Reclaimed Tank & Booster Pump Station	2,555	4,000					4,000	6,555
CS880	Bayou Marcus Basin Addition	100	-	700	100	600	9,300	10,700	10,800
CS881	CWRF Effluent Disposal Capacity Investigation	250	-	100	7,000	7,000	7,000	21,100	21,350
<b>TOTALS</b>		<b>2,905</b>	<b>4,000</b>	<b>800</b>	<b>7,100</b>	<b>7,600</b>	<b>#####</b>	<b>35,800</b>	<b>38,705</b>

PRIOR YEARS 2,905  
5 YR PROJECTION 35,800  
**38,705**

**WATER RECLAMATION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS	CWRF Influent Equalization Tank	-	-	75	2,175			2,250	2,250
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>75</b>	<b>2,175</b>	<b>-</b>	<b>-</b>	<b>2,250</b>	<b>2,250</b>

PRIOR YEARS -  
5 YR PROJECTION 2,250  
**2,250**

**WATER RECLAMATION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RS234	Bayou Marcus Disinfection Modification Upgrade	2,150	-	-	-	-	-	-	2,150
<b>TOTALS</b>		<b>2,150</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,150</b>

PRIOR YEARS 2,150  
5 YR PROJECTION -  
**2,150**

**WATER RECLAMATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS419	PB Reclaimed Tank & Booster Pump Station	2,555		4,000						4,000	6,555
CS880	Bayou Marcus Basin Addition	100		-	700	100	600	9,300		10,700	10,800
CS881	CWRF Effluent Disposal Capacity Investigation	250		-	100	7,000	7,000	7,000		21,100	21,350
<b>TOTALS</b>		<b>2,905</b>		<b>4,000</b>	<b>800</b>	<b>7,100</b>	<b>7,600</b>	<b>#####</b>		<b>35,800</b>	<b>38,705</b>

PRIOR YEARS	2,905
5 YR PROJECTION	35,800
	<u><b>38,705</b></u>

**WATER RECLAMATION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS	CWRF Influent Equalization Tank	-		-	75	2,175				2,250	2,250
<b>TOTALS</b>		<b>-</b>		<b>-</b>	<b>75</b>	<b>2,175</b>	<b>-</b>	<b>-</b>		<b>2,250</b>	<b>2,250</b>

PRIOR YEARS	-
5 YR PROJECTION	2,250
	<u><b>2,250</b></u>

**WATER RECLAMATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS419	PB Reclaimed Tank & Booster Pump Station	2,555		4,000						4,000	6,555
CS880	Bayou Marcus Basin Addition	100		-	700	100	600	9,300		10,700	10,800
CS881	CWRF Effluent Disposal Capacity Investigation	250		-	100	7,000	7,000	7,000		21,100	21,350
<b>TOTALS</b>		<b>2,905</b>		<b>4,000</b>	<b>800</b>	<b>7,100</b>	<b>7,600</b>	<b>#####</b>		<b>35,800</b>	<b>38,705</b>

PRIOR YEARS	2,905
5 YR PROJECTION	35,800
	<b>38,705</b>



# PROJECT DATA SHEET

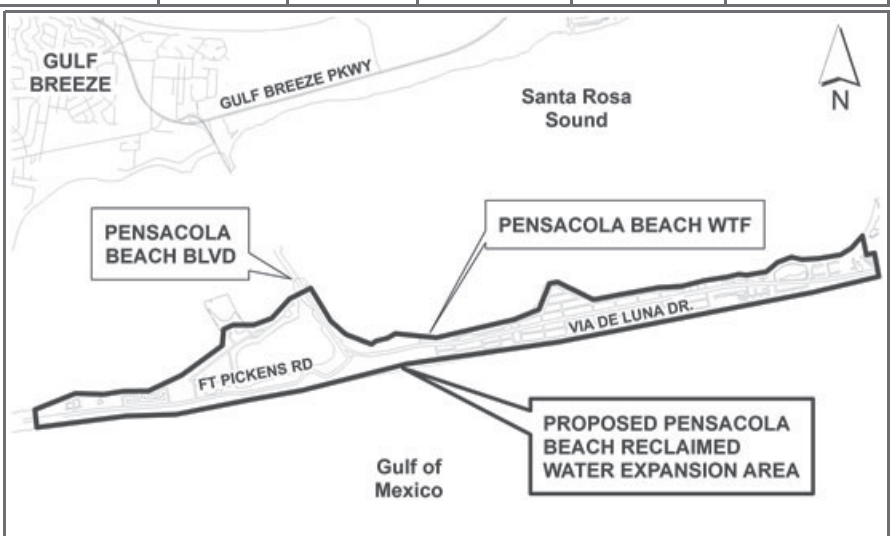
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS419  
Program: Water Reclamation  
Project Title: Pens Beach Reclaimed Tank/Booster  
Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	2,555	4,000	0	0	0	0	6,555
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	2,555	4,000	0	0	0	0	6,555

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	6,355,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	6,355,000



### DESCRIPTION:

As part of the Pensacola Beach Reclaimed Water System Master Plan, a new Ground Storage Tank and Booster Pump Station has been planned in order to meet the needs of the irrigation cycle on the beach. The storage tank will allow for the diurnal flows of wastewater, which peak during the day, to be treated and stored in the proposed tank so that the reclaimed water may be used for irrigation during the night, when waste flow is low. The project will also help to reduce the nutrient loading into the Sound as well as preserve potable drinking water for human consumption. A site has been chosen south of the existing potable water storage tanks on the Beach. The storage tank is complete and temporarily being utilized for potable water until the necessary line work and booster pump building are complete. The necessary line work and associated infrastructures will be constructed under project CS419A. This project has an ECUA-FDEP Standard Grant Agreement associated it, which allow ECUA to be reimbursed for \$4,257,640. ECUA will have to have the multi-phase project completed by October 29, 2025.



# PROJECT DATA SHEET

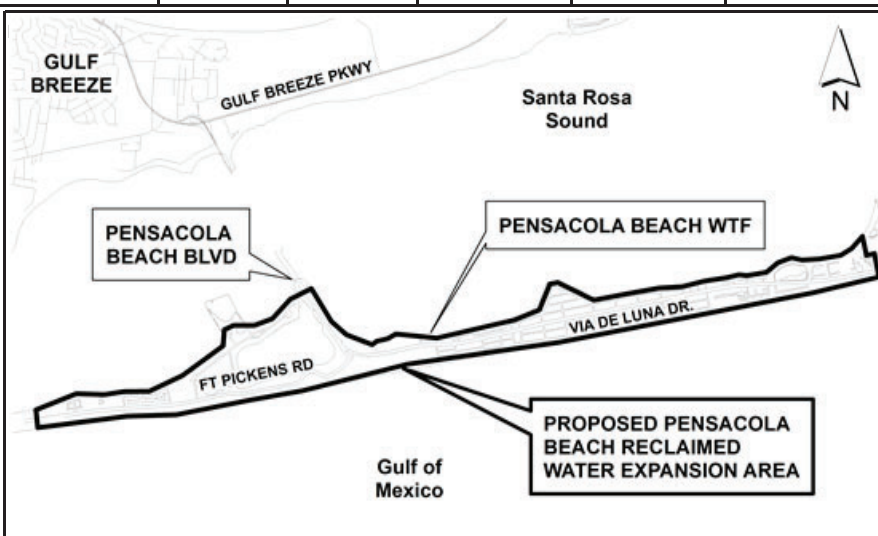
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS419A  
Program: Water Reclamation  
Project Title: Pensacola Beach Reclaimed Mains  
Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	240	0	3,000	1,000	1,000	1,000	6,240
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	240	0	3,000	1,000	1,000	1,000	6,240

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	6,240,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	6,240,000



### DESCRIPTION:

As part of the Pensacola Beach Reclaimed Water System Master Plan, new reclaimed water transmission mains are proposed. One reclaimed water main will extend from the treatment plant to the new reclaimed water ground storage tank located directly south of the existing potable tanks on Pensacola Beach. The other reclaimed water main will extend from the tank back out into the distribution system and extend along Via de Luna before connecting to the existing SRIA 12-inch reclaimed water transmission main in the median of Via de Luna, just past the treatment plant. This transmission main will act as the first distribution main in the reclaimed system that would allow for large commercial users to tie-into. Plans are under design by BDI and grant funding is being pursued. In an effort to save on construction costs the redundant potable water transmission main that was originally proposed under a separate project is being added to the scope of work this project. This is because of the sensitivity of the construction area and the amount of effort that it will take to construct these facilities within the beach ROW.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS880  
Program: Water Reclamation  
Project Title: Bayou Marcus Basin Addition  
Project Manager: R Sears

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	100	700	100	600	0	9,300	10,800
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	100	700	100	600	0	9,300	10,800

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 800,000	
SURVEY	
CONSTRUCTION 10,000,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 10,800,000	

### DESCRIPTION:

This project provides for the design, permitting, and construction of upgrades to the Bayou Marcus Water Reclamation Facility. Flows have been increasing and are expected to continue with growth. this project will expand the capacity from 8.2 MGD to 11.4 MGD but does not include additional effluent disposal that will be needed. It includes a new BNR basin, filter addition, effluent pumping, increased reject storage, and ancillary components such as piping, electrical, and instrumentation. The last increase was completed in the 1990s. The first phase includes preliminary design necessary to start the environmental permitting process for expansion into the wetlands, wetland delineation, and environmental impacts.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS881  
Program: Water Reclamation  
Project Title: CWRf Effluent Disposal  
Project Manager: R Sears

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	250	0	100	7,000	7,000	7,000	21,350
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	250	0	100	7,000	7,000	7,000	21,350

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 250,000	
SURVEY	
CONSTRUCTION 21,100,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 21,350,000	

### DESCRIPTION:

The CWRf has limited options available for effluent disposal. Gulf Power and International Paper are the major users of reclaimed water and are subject to extended outages.

In the past several years, the CWRf has experienced several documented instances of trouble with effluent disposal. In April 2014, massive amounts of rain led to extremely high flows. In Fall 2016, the Gulf Power Christ Plant was taken completely offline for six (6) weeks with no ability to take effluent. In Spring 2017, International Paper had a digester explosion which did not allow them to take flows for five (5) weeks. In Fall 2020, Hurricane Sally knocked out both industrial partners and the CWRf had a month long un-permitted discharge. In Spring 2021, International Paper was required by FDEP to cease taking water from the CWRf due to a consent order.

The first phase on the project is a study to determine cost estimates for various options to expand reclaimed water disposal options. These options would include Aquifer Storage and Recovery, deep well injections, constructed wetlands, percolation ponds, expanded irrigation and land application, APRICOT Act back-up discharge, and limited wet weather discharge.

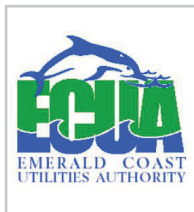
The next phases would be permit application, design, and construction.

**WATER RECLAMATION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT
CS	CWRF Influent Equalization Tank	-		-	75	2,175				2,250
TOTALS		-		-	75	2,175	-	-		2,250

PRIOR YEARS	-
5 YR PROJECTION	2,250
	<u>2,250</u>





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS-

Program: Water Reclamation

Project Title: CWRP Effluent Equalization Tank

Project Manager:: RS

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	75	2,175	0	0	2,250
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	75	2,175	0	0	2,250

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 75,000	
SURVEY	
CONSTRUCTION 2,175,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 2,250,000	

### DESCRIPTION:

When the influent equalization tank was built, a connection for an additional tank was made and room for the tank was planned. During high flow events, the influent EQ tank has filled on several occasions and additional storage is needed. This project involves building a new 5 million gallon tank at the CWRP to be used for influent equalization.

**WATER RECLAMATION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RS234	Bayou Marcus Disinfection Modification Upgrade	2,150	-	-	-	-	-	-	2,150
<b>TOTALS</b>		<b>2,150</b>	-	-	-	-	-	-	<b>2,150</b>

PRIOR YEARS	2,150
5 YR PROJECTION	-
	<b>2,150</b>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS234  
Program: Water Reclamation  
Project Title: Bayou Marcus Disinfection  
Project Manager: R.Sears

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	2,150	0	0	0	0	0	2,150
TOTAL	2,150	0	0	0	0	0	2,150

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 165,000	
SURVEY 5,000	
CONSTRUCTION 1,430,000	
EQUIPMENT 550,000	
MATERIAL	
LAND	
TOTAL 2,150,000	

### DESCRIPTION:

The effluent from the Bayou Marcus WRF is currently disinfected utilizing an ultraviolet (UV) system that is over 15 years old. We have been notified by the manufacturer that they will be discontinuing support for the existing equipment in the next few years. This project involves removing the old UV system and installing a newer more energy efficient system, that would be sized for future increase in permitted capacity.



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# Wastewater Collection





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**CAPITAL IMPROVEMENT PROJECTS  
WASTEWATER COLLECTION  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS0002	River Gardens Sewer Expansion	1,000	-	-	-	-	-	-	1,000
CS0008	CWRF Transmission Main Bypass	-	350	1,250	2,250	2,250	2,250	8,350	8,350
CS0009	Perdido Key Redundant WA MN	-	1,000	-	-	-	-	1,000	1,000
CS0010	Brownsville Sewer Expansion	-	500	1,000	1,000	1,000	1,000	4,500	4,500
CS317	Sewer Expansion	4,247	2,176	1,000	1,000	1,000	1,000	6,176	10,423
CS318	Non-Gravity Sewer Connection Assistance	310	-	25	-	-	-	25	335
CS318D	Beach Haven Sewer Expansion Ph. 1-111	4,273	-	-	-	-	-	-	4,273
CS318P	South Brownsville Sewer Expansion	685	-	500	500	-	-	1,000	1,685
CS318U	Navy Point Gravity Sewer Ph IV	3,250	-	1,800	-	-	-	1,800	5,050
CS318V	Airway/Stockdale Sewer Exp	1,000	-	2,000	2,300	-	-	4,300	5,300
CS415	CWRF Transmission Main Interruption Plan (TMRP)	760	-	-	-	-	-	-	760
CS423A	Odor Control Scrubbers	397	-	-	200	-	-	200	597
CS514C	Generators	763	500	250	250	250	250	1,500	2,263
CS525	Lift Station #14 Force Main Reroute to CWRF	1,000	-	1,500	-	-	-	1,500	2,500
CS822	CWRF Sludge Loading Protection	125	-	175	-	-	-	175	300
CS	Cost Sharing w/ County Sewer Expansion	-	-	250	-	-	-	250	250
<b>TOTALS</b>		<b>17,810</b>	<b>4,526</b>	<b>9,750</b>	<b>7,500</b>	<b>4,500</b>	<b>4,500</b>	<b>30,776</b>	<b>48,586</b>

PRIOR YEARS 17,810  
5 YR PROJECTION 30,776  
**48,586**

**CAPITAL IMPROVEMENT PROJECTS  
WASTEWATER COLLECTION  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS	Gravity Sewer Relief	-	-	200	200	-	-	400	400
CS	North Gulf Beach Hwy. - West Gravity Sewer (Area 2)	-	-	2,500	-	-	-	2,500	2,500
CS	Beach Haven South Zone	-	-	-	-	3,000	-	3,000	3,000
CS	West Gulf Beach Hwy. Gravity Sewer (Area 7)	-	-	-	-	2,400	-	2,400	2,400
CS	Stonebrook Drive Sewer Expansion	-	-	-	-	2,400	-	2,400	2,400
CS	Brooklyn Street Sewer Expansion	-	-	-	-	400	-	400	400
CS	Perdido Key Gravity Sewer System-Master Plan	-	-	2,750	-	-	-	2,750	2,750
CS	Central County Sewer Collection System Expansion	-	-	-	-	3,500	-	3,500	3,500
CS	Brook Hollow Lift Station and Force Main Replacemen	-	-	1,300	-	-	-	1,300	1,300
CS	Village Oaks Sewer Bypass	-	-	-	200	-	-	200	200
CS	Atwood Sewer Expansion	-	-	-	4,000	-	-	4,000	4,000
CS	Englewood Sewer Expansion	-	-	-	-	3,000	-	3,000	3,000
CS	Ensley Sewer Expansion	-	-	3,000	3,000	3,000	-	9,000	9,000
CS	Holsberry Sewer Expansion	-	-	-	-	3,500	-	3,500	3,500
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>9,750</b>	<b>7,400</b>	<b>21,200</b>	<b>-</b>	<b>38,350</b>	<b>38,350</b>

PRIOR YEARS -  
5 YR PROJECTION 38,350  
**38,350**

**WASTEWATER COLLECTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RI700	Inflow & Infiltration ( I & I)	39,496	8,400	8,550	8,700	8,900	9,100	43,650	83,146
RI703	Miscellaneous Repair (I&I)	1,143	300	300	300	300	300	1,500	2,643
RI707	GSRLS Emergency Storage Tank	1,230	-	-	200	3,000	4,000	7,200	8,430
RI803	Guillemard Trunk Line	561	-	-	-	-	-	-	561
RS0006	Warrington Drying Beds	-	250	-	-	-	-	250	250
RS0007	Carpenters Creek Trunk Sewer Rehabilitation	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
RS0008	Transmission Main Investigation	500	-	-	-	-	-	-	500
RS008X	Pump Repair & Replacement	894	250	250	250	250	250	1,250	2,144
RS0017	Collection System Upgrade	750	750	750	750	750	750	3,750	4,500
RS0018	Lincoln Park Force Main Replacement	-	200	2,000	-	-	-	2,200	2,200
RS121	Lift Station Replacement and Upgrade	9,237	3,000	3,000	3,000	3,000	3,000	15,000	24,237
RS121A	Graveyard L/S # 58 Upgrade	1,368	-	-	-	-	-	-	1,368
RS121S	Charbar L/S #107 Upgrade	243	-	-	-	-	-	-	243
RS121W	L/S # 96 (Lake Estelle) Upgrade	103	-	700	-	-	-	700	803
RS121X	L/S # 220 (Bayou Grande West) Upgrade	15	-	-	-	-	-	-	15
RS121Y	L/S # 50 Replacement (Detroit) (L/S, FM and Gravity Mains	25	-	-	-	-	-	-	25
RS121Z	L/S # 307 Pinebrook Replacement	645	-	-	-	-	80	80	725
RS307	L/S # 6 (Industries) Demolition Removal	1,000	-	1,000	-	-	-	1,000	2,000
RS332	Bayou Marcus Boardwalk Maintenance	1,544	1,000	250	-	-	-	1,250	2,794
RS423D	Air Release Valve Renewal & Replacement	1,112	-	200	200	200	200	800	1,912
RS425	Bayou Marcus Generator Improvements	300	200	200	-	-	-	400	700
RS511I	Pensacola Beach PM Painting and Tank Rehabilitation	550	100	250	-	-	-	350	900
RS630	CWRF Reuse Pump Capacity Upgrade	690	-	150	-	-	-	150	840
RS638	Mackey Key Sewer Upgrade	200	-	-	-	-	-	-	200
RS728K	Lift Station Mechanical Needs	629	250	250	-	-	-	500	1,129
RS731	PB Plant #2 Lift Station Replacement	800	-	50	-	-	-	50	850
RS732	CWRF Clarifier and Chlorine Contact Chamber Coatings	700	150	-	-	-	-	150	850
RS880	Detroit Blvd. Force Main	600	-	-	-	-	-	-	600
RS883	PB WWTP Influent Piping Repairs	700	350	-	-	-	-	350	1,050
RS886	Government Regional Pump Upgrades	1,075	-	100	-	-	-	100	1,175
RS887	CTM Restoration at Rolling Hills	-	-	1,480	-	-	-	1,480	1,480
<b>TOTALS</b>		<b>67,110</b>	<b>16,200</b>	<b>20,480</b>	<b>14,400</b>	<b>17,400</b>	<b>18,680</b>	<b>87,160</b>	<b>154,270</b>

PRIOR YEARS 67,110  
5 YR PROJECTION 87,160  
**154,270**

**WASTEWATER COLLECTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RS	Sherwood Force Main Rehabilitation	-	-	300	-	-	-	300	300
RS	E. Baars St. Gravity Sewer Replacement	-	-	225	-	-	-	225	225
RS	Miscellaneous Lift Station Abandonment	-	-	250	250	250	250	1,000	1,000
RS	Carriage Hills Sewer System Rehabilitation	-	-	-	500	-	-	500	500
RS	Pine Forest Force Main Upgrade	-	-	-	-	275	-	275	275
RS	Montclair Force Main Upgrade (Main Street Side)	-	-	-	1,600	-	-	1,600	1,600
RS	L/S # 206 (Panferio Dr. ) Replacement	-	-	85	750	-	-	835	835
RS	L/S # 207,209,and 211 Upgrade and Piping Modification	-	-	200	1,000	1,000	-	2,200	2,200
RS	L/S 245, 293 and 219 Abandon-Construct New Lift Sta	-	-	-	175	1,275	-	1,450	1,450
RS	W. Roberts Rd. Sewer Exp. and Abandonment of L/S # 371 &	-	-	-	-	100	1,000	1,100	1,100
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>1,060</b>	<b>4,275</b>	<b>2,900</b>	<b>1,250</b>	<b>9,485</b>	<b>9,485</b>

PRIOR YEARS -  
5 YR PROJECTION 9,485  
**9,485**



**CAPITAL IMPROVEMENT PROJECTS  
WASTEWATER COLLECTION  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS0002	River Gardens Sewer Expansion	1,000	-	-	-	-	-	-	1,000
CS0008	CWRF Transmission Main Bypass	-	350	1,250	2,250	2,250	2,250	8,350	8,350
CS0009	Perdido Key Redundant WA MN	-	1,000	-	-	-	-	1,000	1,000
CS0010	Brownsville Sewer Expansion	-	500	1,000	1,000	1,000	1,000	4,500	4,500
CS317	Sewer Expansion	4,247	2,176	1,000	1,000	1,000	1,000	6,176	10,423
CS318	Non-Gravity Sewer Connection Assistance	310	-	25	-	-	-	25	335
CS318D	Beach Haven Sewer Expansion Ph. 1-111	4,273	-	-	-	-	-	-	4,273
CS318P	South Brownsville Sewer Expansion	685	-	500	500	-	-	1,000	1,685
CS318U	Navy Point Gravity Sewer Ph IV	3,250	-	1,800	-	-	-	1,800	5,050
CS318V	Airway/Stockdale Sewer Exp	1,000	-	2,000	2,300	-	-	4,300	5,300
CS415	CWRF Transmission Main Interruption Plan (TMIRP)	760	-	-	-	-	-	-	760
CS423A	Odor Control Scrubbers	397	-	-	200	-	-	200	597
CS514C	Generators	763	500	250	250	250	250	1,500	2,263
CS525	Lift Station #14 Force Main Reroute to CWRF	1,000	-	1,500	-	-	-	1,500	2,500
CS822	CWRF Sludge Loading Protection	125	-	175	-	-	-	175	300
CS	Cost Sharing w/ County Sewer Expansion	-	-	250	-	-	-	250	250
<b>TOTALS</b>		<b>17,810</b>	<b>4,526</b>	<b>9,750</b>	<b>7,500</b>	<b>4,500</b>	<b>4,500</b>	<b>30,776</b>	<b>48,586</b>

PRIOR YEARS 17,810  
5 YR PROJECTION 30,776  
**48,586**

**CAPITAL IMPROVEMENT PROJECTS  
WASTEWATER COLLECTION  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS	Gravity Sewer Relief	-	-	200	200	-	-	400	400
CS	North Gulf Beach Hwy. - West Gravity Sewer (Area 2)	-	-	2,500	-	-	-	2,500	2,500
CS	Beach Haven South Zone	-	-	-	-	3,000	-	3,000	3,000
CS	West Gulf Beach Hwy. Gravity Sewer (Area 7)	-	-	-	-	2,400	-	2,400	2,400
CS	Stonebrook Drive Sewer Expansion	-	-	-	-	2,400	-	2,400	2,400
CS	Brooklyn Street Sewer Expansion	-	-	-	-	400	-	400	400
CS	Perdido Key Gravity Sewer System-Master Plan	-	-	2,750	-	-	-	2,750	2,750
CS	Central County Sewer Collection System Expansion	-	-	-	-	3,500	-	3,500	3,500
CS	Brook Hollow Lift Station and Force Main Replacemen	-	-	1,300	-	-	-	1,300	1,300
CS	Village Oaks Sewer Bypass	-	-	-	200	-	-	200	200
CS	Atwood Sewer Expansion	-	-	-	4,000	-	-	4,000	4,000
CS	Englewood Sewer Expansion	-	-	-	-	3,000	-	3,000	3,000
CS	Ensley Sewer Expansion	-	-	3,000	3,000	3,000	-	9,000	9,000
CS	Holsberry Sewer Expansion	-	-	-	-	3,500	-	3,500	3,500
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>9,750</b>	<b>7,400</b>	<b>21,200</b>	<b>-</b>	<b>38,350</b>	<b>38,350</b>

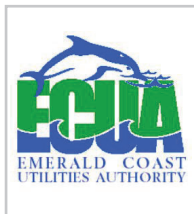
PRIOR YEARS -  
5 YR PROJECTION 38,350  
**38,350**

**CAPITAL IMPROVEMENT PROJECTS  
WASTEWATER COLLECTION  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS0002	River Gardens Sewer Expansion	1,000	-	-	-	-	-	-	1,000
CS0008	CWRF Transmission Main Bypass	-	350	1,250	2,250	2,250	2,250	8,350	8,350
CS0009	Perdido Key Redundant WA MN	-	1,000	-	-	-	-	1,000	1,000
CS0010	Brownsville Sewer Expansion	-	500	1,000	1,000	1,000	1,000	4,500	4,500
CS317	Sewer Expansion	4,247	2,176	1,000	1,000	1,000	1,000	6,176	10,423
CS318	Non-Gravity Sewer Connection Assistance	310	-	25	-	-	-	25	335
CS318D	Beach Haven Sewer Expansion Ph. 1-111	4,273	-	-	-	-	-	-	4,273
CS318P	South Brownsville Sewer Expansion	685	-	500	500	-	-	1,000	1,685
CS318U	Navy Point Gravity Sewer Ph IV	3,250	-	1,800	-	-	-	1,800	5,050
CS318V	Airway/Stockdale Sewer Exp	1,000	-	2,000	2,300	-	-	4,300	5,300
CS415	CWRF Transmission Main Interruption Plan (TMIRP)	760	-	-	-	-	-	-	760
CS423A	Odor Control Scrubbers	397	-	-	200	-	-	200	597
CS514C	Generators	763	500	250	250	250	250	1,500	2,263
CS525	Lift Station #14 Force Main Reroute to CWRF	1,000	-	1,500	-	-	-	1,500	2,500
CS822	CWRF Sludge Loading Protection	125	-	175	-	-	-	175	300
CS	Cost Sharing w/ County Sewer Expansion	-	-	250	-	-	-	250	250
<b>TOTALS</b>		<b>17,810</b>	<b>4,526</b>	<b>9,750</b>	<b>7,500</b>	<b>4,500</b>	<b>4,500</b>	<b>30,776</b>	<b>48,586</b>

PRIOR YEARS	17,810
5 YR PROJECTION	30,776
	<u><b>48,586</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS0002

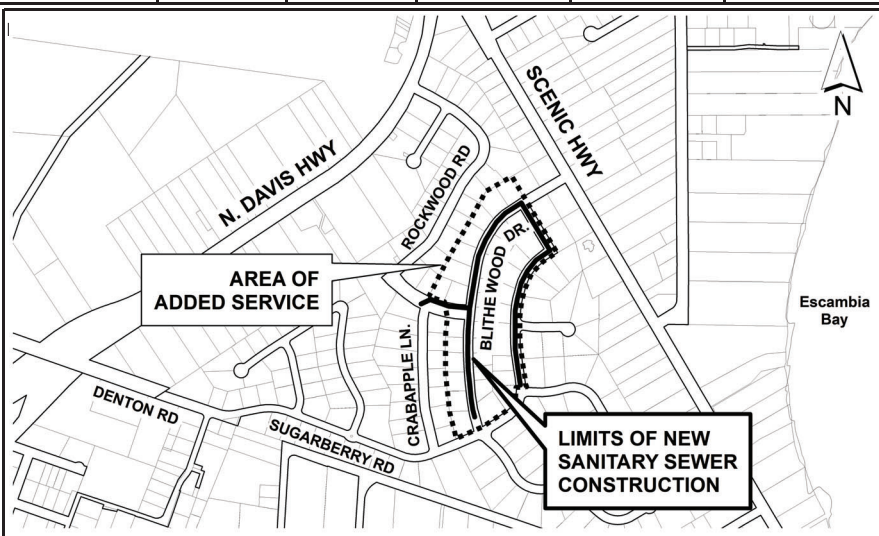
Program: Wastewater Collection

Project Title: River Gardens Sewer Expansion

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	1,000	0	0	0	0	0	1,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	1,000	0	0	0	0	0	1,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	22,000
CONSTRUCTION	978,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,000,000



### DESCRIPTION:

Some areas of River Gardens do not currently have an ECUA gravity sewer system constructed. Many residents are on septic tanks and some tanks are beginning to fail (or require frequent maintenance). The project will consist of the construction of new gravity sewer mains on Birdwhistle Blvd, Blithewood Dr, Sugarberry Rd & Sweetwater Dr. It is estimated that approximately 3,500 linear feet of 8" sanitary sewer (pvc) and 4,500 square yards of road cutting and patching will be required.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: CS 0008  
 Program: Wastewater Collection  
 Project Title: CWRF Transmission Main Bypass

Fiscal Years: 2022-2026

Project Manager: B Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	350	1,250	2,250	2,250	2,250	8,350
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	350	1,250	2,250	2,250	2,250	8,350

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 10/1/21	
ENV. ASSESSMENT 250,000	
ENGINEERING 1,100,000	
SURVEY 400,000	
CONSTRUCTION 6,250,000	
EQUIPMENT	
MATERIAL	
LAND 350,000	
TOTAL 8,350,000	

### DESCRIPTION:

There is no existing means to bypass the large-diameter force main that transmits wastewater to the Central Wastewater Reclamation Facility from the three regional lift stations on Government Street, Moreno Street and Pipeline Road and other lift stations along the route. A bypass is needed for emergency repairs and routine maintenance. This project will commence with a master plan for the construction of a bypass or system of bypasses, then proceed with engineering, land acquisition, environmental assessment, and construction. The engineering firm selected to complete the master plan will review the current hydraulic conditions of this transmission system, then complete the following tasks:

- Develop a master plan for a redundant bypass main or a system of bypasses that would allow for continuous flow of wastewater to the CWRF during average daily flow.
- Determine the appropriate size(s) of the bypass pipe(s) that will be able to function under the existing head conditions during average daily flow in the pipe.
- Identify modifications to the existing infrastructure that would be required to maintain normal flow to the CWRF (e.g. extension of a force main or an additional connection of the force main to the transmission main downstream of an isolation valve that would allow a lift station to continue to function normally during a bypass).
- Review the existing route of the transmission main, then identify and research existing easements, rights-of-way, and private property that might be purchased along the most feasible route for the bypass system. Select the most cost-effective route for the bypass line(s) that would allow for all segments of the transmission main to be individually bypassed for routine maintenance or emergency repair.
- Develop a conceptual estimate of the cost for the overall bypass plan.
- Review the ranking that ECUA assigned for the priority of each bypass around a pipe segment. The ranking is based on the criticality of each segment and the assumed likelihood of failure of the segment. Develop a phasing plan for the overall bypass system project and conceptual estimates for each phase. Each phase should allow for the construction of the phase within the framework of the normal ECUA budget. Each phase should be a complete project and able to function independently of other phases.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: CS 0009

Program: Sewer

Project Title: Perdido Key Redundant Crossing

Fiscal Years: 2022-2026

Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	1,000	0	0	0	0	1,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	1,000	0	0	0	0	1,000

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING 100,000	
SURVEY 50,000	
CONSTRUCTION 850,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL 1,000,000	

### DESCRIPTION:

A new, redundant 14-inch HDPE force main is proposed to be constructed along the east side of Theo Barrs Bridge crossing the Inter-coastal Waterway (ICWW) via horizontal directional drill. There will need to be additional piping installed on the south side of the ICWW from the west side to the east side via open-cut. The existing force main crossing the ICWW is the sole-source sewer main removing the sewage from Perdido Key.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS0010  
Program: Wastewater Collection  
Project Title: Brownsville Sewer Expansion  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	500	1000	1000	1000	1000	4,500
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	500	1,000	1,000	1,000	1,000	4,500

ESTIMATED PROJECT COSTS	
Project Start Date: 10/1/2021	
ENV. ASSESSMENT	
ENGINEERING	500,000
SURVEY	100,000
CONSTRUCTION	3,900,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	4,500,000

BROWNSVILLE  
SEWER EXPANSION

A map showing the project area for the Brownsville Sewer Expansion. The area is bounded by W. Fairfield Dr. to the north, W. Avery St. to the east, W. Cervantes St. to the south, and N. Green St. to the west. The project area is outlined in black. Major roads shown include Mobile Hwy, New Warrington Rd, W. Jackson St, W. Strong St, N. W St, and N. Pace Blvd. A north arrow is located in the top right corner.

### DESCRIPTION:

Multiple areas in Brownsville limits shown above do not currently have an ECUA gravity sewer system constructed. Most residents are currently on septic tanks for sewer needs. The project will consist of the construction of new gravity sewer mains to accommodate the residents of Brownsville currently without ECUA sewer service. The proposed concept will connect new sewer mains to existing mains to the extent possible. The total estimated cost of the work is \$11.0 million that is anticipated to be carried over a 10-year period.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

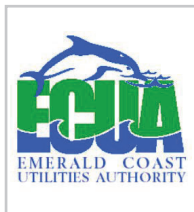
Project no.: CS317  
 Program: Wastewater Collection  
 Project Title: Sewer Expansion  
 Project Manager:: S Hayden

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP OPERATING	4,247	2,176	1,000	1,000	1,000	1,000	10,423
RENEWAL & REPLACEMENT							
TOTAL	4,247	2,176	1,000	1,000	1,000	1,000	10,423

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT	
ENGINEERING 975,700	
SURVEY	
CONSTRUCTION 9,447,745	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 10,423,445	

**DESCRIPTION:**

ECUA's Sewer Expansion Program is focused primarily on eliminating existing septic tanks which may be negatively impacting local surface waters (creeks, bayous, etc.) causing public health concerns, or impacting potable water sources. This budget may also supplement ECUA's Septic Tank Abatement Program that is aimed at preventing the proliferation of new septic tanks especially in the southern portion of Escambia County which is normally funded through CIP CA001 -Oversizing. New development south of Well Line Road is required to connect to the ECUA sewer system subject to certain financial limitations. The project is intended to provide funding to address the needs of these two programs. Many neighborhoods that are currently served by septic tanks have been identified and will be considered for sewer expansions as funds become available. Projects will be prioritized based on available funding, history of septic system problems, proximity to water bodies, customer participation, etc.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS318  
 Program: Wastewater Collection  
 Project Title: Non-Gravity Sewer Connection A  
 Project Manager:: Keith Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	310	0	25	0	0	0	335
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	310	0	25	0	0	0	335

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	SYSTEM WIDE
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION 335,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL 335,000	

**DESCRIPTION:**

In an area where a customer is abandoning an active septic tank and connecting a force main, ECUA will consider participating in the cost of the grinder pump station. This will include the wet well, pumps, controls, etc., but not the installation costs. Limit of cost sharing is \$1,500.00 per installation.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2021-2025

Project no.: CS318D

Program: Wastewater Collection

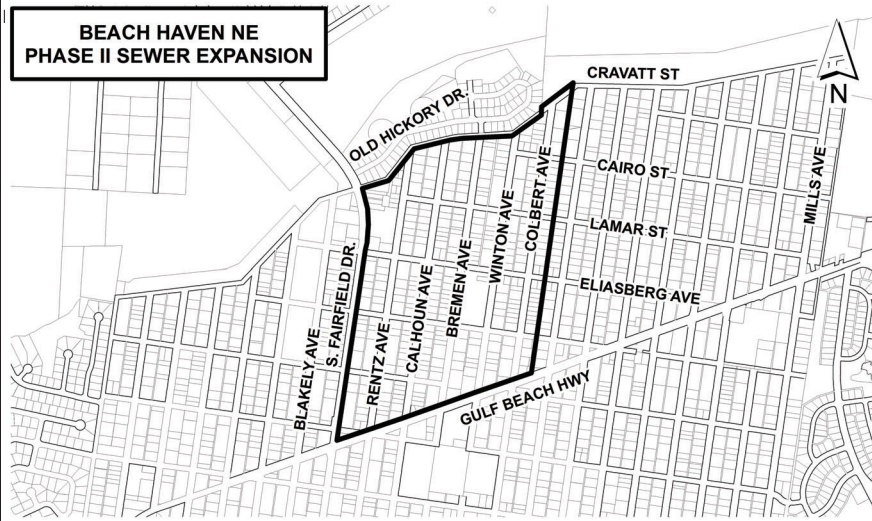
Project Title: Beach Haven (NE)- Phase II

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2021	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	PROJECT TOTAL
CIP	4273	0	0	0	0	0	4,273
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	0	0	0
TOTAL	4,273	0	0	0	0	0	4,273

ESTIMATED PROJECT COSTS	
Project Start Date: 1/16/2020	
ENV. ASSESSMENT	0
ENGINEERING	0
SURVEY	0
CONSTRUCTION	4,273,000
EQUIPMENT	0
MATERIAL	0
LAND	0
TOTAL	4,273,000

BEACH HAVEN NE  
PHASE II SEWER EXPANSION



### DESCRIPTION:

Provide gravity sewer service to approximately 150 homes in the western area of Gulf Beach Hwy. Specifically, the work limits are Fairfield Drive (to the west), Gulf Beach Hwy (to the south), Colbert Ave (to the east), and Cravatt St



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

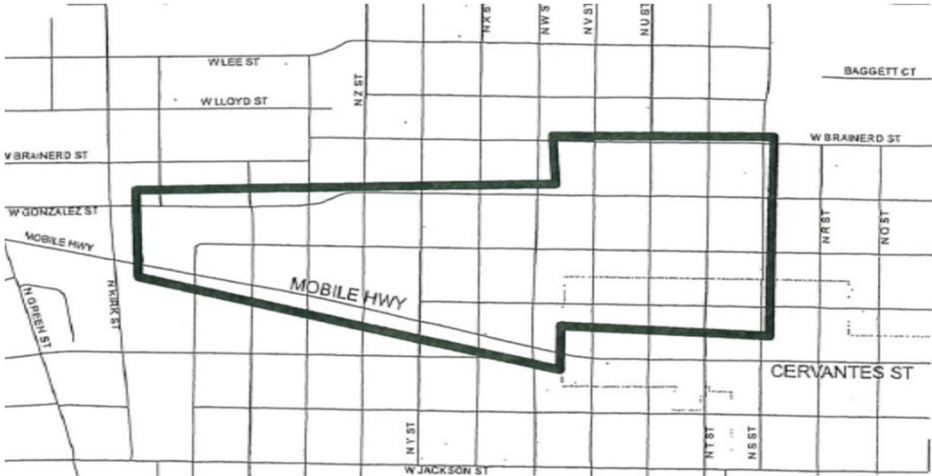
PROJECT NO: CS318P

Program: Wastewater Collection

Project Title: South Brownsville Sewer

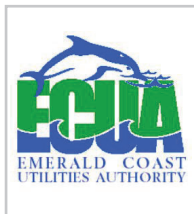
Expansion

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING	685		500	500			1,685
RENEWAL & REPLACEMENT							-
TOTAL	685	-	500	500	-	-	1,685

ESTIMATED PROJECT COSTS		MAP
1/20/17		
ENV. ASSESS		
ENGINEERING		
SURVEY	30,000	
INSPECTION		
TESTING		
CONSTRUCTION	1,655,000	
EQUIPMENT		
MATERIAL		
FURNISHING		
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$1,685,000	

**DESCRIPTION:**

The area of South Brownsville does not currently have an ECUA gravity sewer system constructed. All residents are currently on septic tanks for sewer needs. The project will consist of the construction of new gravity sewer mains to accommodate approximately 132 residential lots and 18 commercial. This has been proposed to be completed as a cost sharing project with Escambia County CRA.



# PROJECT DATA SHEET

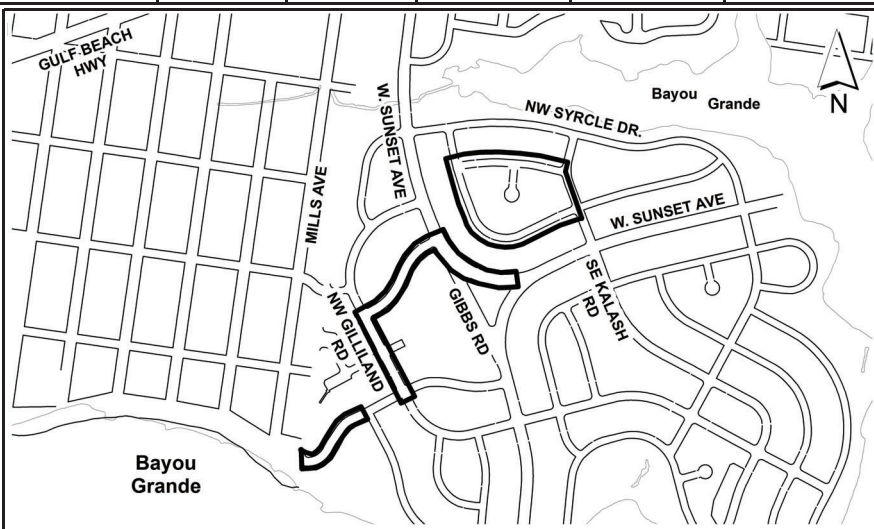
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS318U  
Program: Wastewater Collection  
Project Title: Navy Point Ph 4A Sewer Exp  
Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	3,250	1,800	0	0	0	0	5,050
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	3,250	1,800	0	0	0	0	5,050

ESTIMATED PROJECT COSTS	
Project Start Date:	2021
ENV. ASSESSMENT	
ENGINEERING	280,000
SURVEY	
CONSTRUCTION	4,770,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	5,050,000



### DESCRIPTION:

This project, involving the construction of new sanitary sewer and connections to existing sections of sewer in the ground that directs flow to lift stations #340 & #363, will provide service to approximately 100 parcels located on Glendower Ct, Flannan Rd, Bryant Rd, Sunset Ave, Brown Rd, NW Gilliland Rd & Cousineau Rd.

The Navy Point Ph 4 project was originally planned to include a regional lift station near the intersection of Grundy Street and Gordon Avenue. Due to the anticipated depth of this lift station and the depth of the required sanitary sewer piping to pass flow to the lift station, the estimated cost for the construction was deemed excessive. Therefore, the project will be constructed in at least two phases, with the above limits designating the location of Phase 4A construction. Additional sanitary sewer needed west of Phase 4A, and between Bayou Grande and wetlands running to the south of Gulf Beach Highway, will be constructed as part of a future County drainage & roadway improvement project (or projects).



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS318V

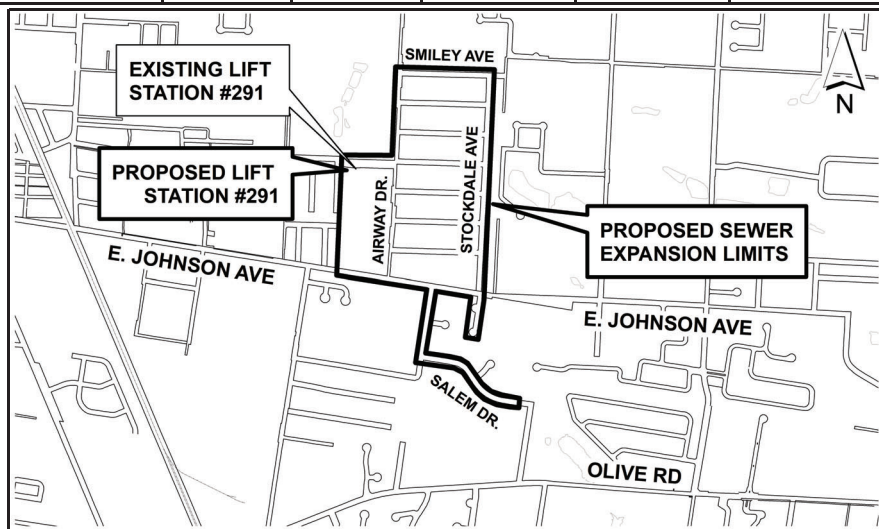
Program: Wastewater Collection

Project Title: Airway/Stockdale Sewer Exp

Project Manager:: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	1,000	2,000	2,300	0	0	0	5,300
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	1,000	2,000	2,300	0	0	0	5,300

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	0
ENGINEERING	320,000
SURVEY	0
CONSTRUCTION	4,980,000
EQUIPMENT	0
MATERIAL	0
LAND	0
<b>TOTAL</b>	<b>5,300,000</b>



### DESCRIPTION:

The area to be included/addressed is primarily west of Stockdale Avenue, north of Johnson Avenue, east of Airway Drive, and south of Smiley Avenue. The area does not currently have an ECUA gravity sewer system. Required work will consist construction of new gravity sewer mains and one new regional lift station. A new 8-inch and 10-inch force main will be constructed from the new lift station, down Hitchcock Dr to the transmission main crossing on Salem Dr. Due to the size of the project, it will be split into two phases between fiscal years. Funding may be provided from CIP Project CS317 - Sewer Expansion Program in subsequent years or as needed to accommodate inflation of project construction costs.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS415  
Program: Wastewater Collection  
Project Title: Transmission Main Interruption Plan  
Project Manager: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	760	0	0	0	0	0	760
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	760	0	0	0	0	0	760

ESTIMATED PROJECT COSTS	TRANSMISSION MAIN INTERRUPTION PLAN
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 760,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 760,000	

### DESCRIPTION:

This project will establish a response plan and strategy to mitigate a Sanitary Sewer Overflow (SSO) or other accidental sewage release in the event of a failure of the CWRP Transmission Main. The project entails establishing storage and alternate pumping capabilities within the wastewater collection system to allow the diversion of raw sewage away from the affected portion of the CWRP Transmission Main, for a period of time to allow repair(s). The project details would include: engineering; construction of storage; piping and pumping components; acquisition of necessary materials (piping, pipe repair, etc.); and emergency service contract(s) to conduct or assist the repairs. Also, included in the step process is the procurement of various pipes and fittings (size 16" diameter through 54" diameter) to store at ECUA for use in making emergency repairs. In addition, additions and modifications at the Warrington Facility will dictate replacement of the fuel storage and dispensing system., storm water management controls, and basic site work improvements.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: CS423A

Program: Wastewater Collection

Project Title: Odor Control Scrubbers

Fiscal Years: 2022-2026

Project Manager:: Gerry Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	397	0	0	200	0	0	597
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	397	0	0	200	0	0	597

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	

<p><b>DESCRIPTION:</b></p> <p>To control odors in the collection system and at lift stations. This funding will be used for the purchase and installation of package odor control scrubbers at key locations in the collection system and at lift stations. With the changes to the collection system and diverting of flow, longer force mains due to expansion of the collection system, and population growth in close proximity to our lift stations results in greater potential for odor complaints. Chemicals can be added to control odor and corrosion. But in all cases, chemicals are only effective for brief periods controlling odors, but are much more expensive to use. In these situations, permanent scrubbers are the best practical solution.</p>
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# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

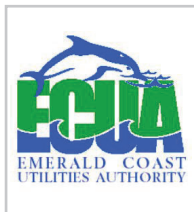
Project no.: CS514C  
 Program: Wastewater Collection  
 Project Title: Generators  
 Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	763	500	250	250	250	250	2,263
OPERATING							
RENEWAL & REPLACEMENT							0
TOTAL	763	500	250	250	250	250	2,263

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT 2,263,000	
MATERIAL _____	
LAND _____	
TOTAL 2,263,000	

### DESCRIPTION:

To procure additional emergency generators. Provide additional emergency backup power to sewage lift stations and water well facilities. Major storms (tropical storms, hurricanes, etc.) often cause numerous extended power outages at our sewer lift stations. Immediately following Hurricane Ivan the majority of our lift stations were without power. In some cases power wasn't restored for over a week. The purchase of additional portable generators would eliminate spills and reduce the recovery time following extended periods of power loss.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS525  
Program: Wastewater Collection  
Project Title: LS 14 FM Reroute to CWRP  
Project Manager: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	1,000	0	1,500	0	0	0	2,500
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	1,000	0	1,500	0	0	0	2,500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	100,000
SURVEY	50,000
CONSTRUCTION	2,350,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,500,000

LS #14 REROUTE TO CWRP

UWF

HILLVIEW DR.

EXIST. 8" FM

N. DAVIS HWY

DENTON RD

E. 9 MILE RD

COPTER RD

ECUA

ADDISON DR.

SCENIC HWY

ESCAMBIA BAY

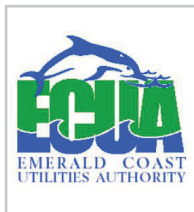
LS

ELLYSON LS #14

### DESCRIPTION:

This project will consist of approximately 9000' of new 16" force main from lift station #14 up Addison Dr. to Denton Rd., across Nine Mile and Davis Hwy. and connecting with the existing 8" force main on the UWF campus. The new force main will provide a direct connection through lift station # 11 on Greenbrier Rd. to the northern transmission main at Pate Dr. The upgrade of the 8" force main to a 16" is anticipated.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CS822  
Program: Wastewater Collection  
Project Title: CWRf Sludge Ld Protection  
Project Manager: G.Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	125	0	175	0	0	0	300
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	125	0	175	0	0	0	300

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 300,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 300,000	

### DESCRIPTION:

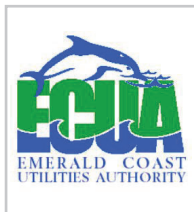
The canopies are required to protect the sludge loading process from rain. The rain causes the sludge to become loose

or sloppy and cause excessive moisture issues at composting.

\* 20'-0" x 50'-0" open steel canopy structure to provide weather protection for sludge loading activities adjacent to the Biosolids Building at the CWRf. One canopy will be built for each process train (North/South) over the truck load out piping.

\* 20'-0" clear height to lowest structural member on the east and west faces.

\* Metal roofing.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS

Program: Wastewater Collection

Project Title: Cost Share w/County SW Expansion

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	250	0	0	0	250
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	250	0	0	0	250

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 250,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 250,000	<p><b>PROP. SEWER EXPANSIONS</b></p>

### DESCRIPTION:

ECUA, in coordination with Escambia County, submitted an appropriations request for sewer expansion in several commercial corridors in the south region of ECUA's sanitary sewer collection system. The funding requested is for ECUA's partial match which may be required. The commercial areas that have been identified with the County's input are as follows: Navy Boulevard, Gulf Beach Highway, New Warrington, and the Brownsville area.

**CAPITAL IMPROVEMENT PROJECTS  
WASTEWATER COLLECTION  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CS	Gravity Sewer Relief	-		-	200	200	-	-		400	400
CS	North Gulf Beach Hwy. - West Gravity Sewer (Area 2)	-		-	2,500	-	-	-		2,500	2,500
CS	Beach Haven South Zone	-		-	-	-	3,000	-		3,000	3,000
CS	West Gulf Beach Hwy. Gravity Sewer (Area 7)	-		-	-	-	2,400	-		2,400	2,400
CS	Stonebrook Drive Sewer Expansion	-		-	-	-	2,400	-		2,400	2,400
CS	Brooklyn Street Sewer Expansion	-		-	-	-	400	-		400	400
CS	Perdido Key Gravity Sewer System-Master Plan	-		-	2,750	-	-	-		2,750	2,750
CS	Central County Sewer Collection System Expansion	-		-	-	-	3,500	-		3,500	3,500
CS	Brook Hollow Lift Station and Force Main Replacemen	-		-	1,300	-	-	-		1,300	1,300
CS	Village Oaks Sewer Bypass	-		-	-	200	-	-		200	200
CS	Atwood Sewer Expansion	-		-	-	4,000	-	-		4,000	4,000
CS	Englewood Sewer Expansion	-		-	-	-	3,000	-		3,000	3,000
CS	Ensley Sewer Expansion	-		-	3,000	3,000	3,000	-		9,000	9,000
CS	Holsberry Sewer Expansion	-		-	-	-	3,500	-		3,500	3,500
<b>TOTALS</b>		-		-	<b>9,750</b>	<b>7,400</b>	<b>21,200</b>	-		<b>38,350</b>	<b>38,350</b>

PRIOR YEARS	-
5 YR PROJECTION	38,350
	<u><b>38,350</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS

Program: Wastewater Collection

Project Title: Gravity Sewer Relief

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	200	200	0	0	400
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	200	200	0	0	400

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 40,000	
SURVEY	
CONSTRUCTION 360,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 400,000	

### DESCRIPTION:

Gravity sewer mains which exhibit capacity limitations such as surcharging or high infiltration or inflow are identified through routine operation and maintenance activities. As required, specific projects will be brought to the Board. This program will remain flexible to respond to changing development patterns.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years **2022-2026**

PROJECT NO: CS

Program: Wastewater Collection

Project Title: North Gulf Beach Hwy. - West

Gravity Sewer (Area 2)

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING			2500				2500
RENEWAL & REPLACEMENT							
TOTAL			2500				2500

ESTIMATED PROJECT COSTS	MAP
1/16/2016	
ENV. ASSESS	
ENGINEERING	
SURVEY	
INSPECTION	
TESTING	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	

**DESCRIPTION:**

Provide gravity sewer service to approximately 150 homes in the western area of Gulf Beach Hwy. Specifically, the work limits are Fairfield Drive (to the west), Gulf Beach Hwy (to the south), Colbert Ave. (to the east), and Cravatt St. (to the north).



		FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
FUNDS (000)	PRIOR YEARS						
CIP							
OPERATING					3000		3000
RENEWAL & REPLACEMENT							
TOTAL					3000		3000

ESTIMATED PROJECT COSTS	
1/16/2016	
ENV. ASSESS	
ENGINEERING	200000
SURVEY	100000
INSPECTION	
TESTING	
CONSTRUCTION	2700000
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
<b>TOTAL</b>	<b>\$3,000,000</b>

**MAP**

Provide gravity sewer service to approximately 150 homes in the area west of Navy Point. This area is immediately adjacent and upgradient of Bayou Grande and contingent wetlands. It is possible that this may be done in conjunction with an Escambia County paving and drainage project. The current project is in design for Beach Haven area North of Gulf Beach Hwy. and East of Fairfield to Mills Ave. as a joint County drainage and gravity sewer project. This area could be part of Beach Haven south of Gulf Beach Highway. The needed lift station for this area is planned to be constructed in the Navy Point Phase IV project



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: CS

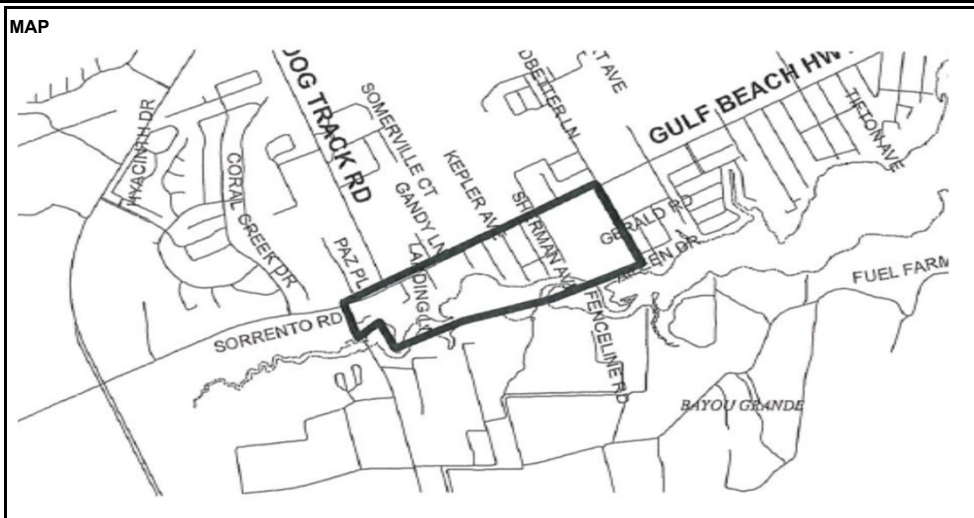
Program: Wastewater Collection

Project Title: West Gulf Beach Hwy. Gravity

Sewer (Area 7)

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING					2,400		2,400
RENEWAL & REPLACEMENT							-
TOTAL					2,400	-	2,400

ESTIMATED PROJECT COSTS	
1/16/2016	
ENV. ASSESS	
ENGINEERING	150,000
SURVEY	50,000
INSPECTION	
TESTING	
CONSTRUCTION	2,200,000
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	\$2,400,000



### DESCRIPTION:

Provide gravity sewer service to approximately 140 homes in the area on the west end of Gulf Beach Hwy. This area is immediately adjacent and upgradient of Bayou Grande, west of Kingsport Ave.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: CS

Program: Wastewater Collection

Project Title: Stonebrook Drive Sewer

Expansion

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING					2,400		2,400
RENEWAL & REPLACEMENT							-
TOTAL					2,400	-	2,400

ESTIMATED PROJECT COSTS		MAP
1/16/2016		
ENV. ASSESS		
ENGINEERING	40,000	
SURVEY		
INSPECTION		
TESTING		
CONSTRUCTION	400,000	
EQUIPMENT		
MATERIAL		
FURNISHING		
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$440,000	

**DESCRIPTION:**

The intend of this project is to expand sewer service to an area that is currently utilizing septic tanks. Many of the on-site tanks have experienced poor drainage problems. Construction of the ECUA Sanitary Sewer System will benefit both the homeowners and the environment. The sewer system is to be an 8-inch sewer placed under the existing Stonebrook Drive. Stonebrook Drive is located within the Carpenters Creek sewer expansion prioritized area.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: CS

Program: Wastewater Collection

Project Title: Brooklyn Street Sewer

Expansion

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING					400		400
RENEWAL & REPLACEMENT							
TOTAL					400		400

ESTIMATED PROJECT COSTS	
1/16/2014	
ENV. ASSESS	
ENGINEERING	50,000
SURVEY	15,000
INSPECTION	
TESTING	
CONSTRUCTION	335,000
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	\$400,000

MAP

### DESCRIPTION:

To expand the sewer service into an area that is currently utilizing septic tanks. Complaints of poor drainage have been reported in the area. The sewer system is to be an 8-inch gravity sewer placed under existing roadways to provide sewer service to homes just south of Olive Road, adjacent to the Charter Oaks Subdivision.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: CS

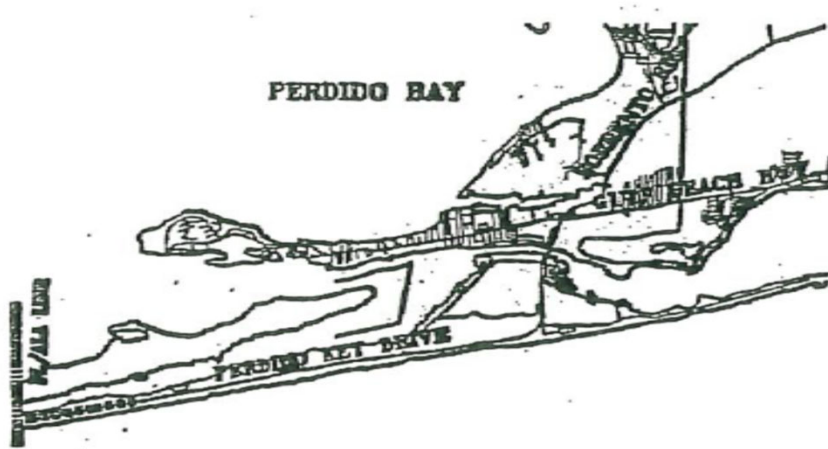
Program: Wastewater Collection

Project Title: Perdido Key Gravity Sewer  
System-Master Plan

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING			2,750				2,750
RENEWAL & REPLACEMENT							-
TOTAL			2,750	-	-	-	2,750

ESTIMATED PROJECT COSTS		MAP
1/16/2016		
ENV. ASSESS		
ENGINEERING	200,000	
SURVEY	50,000	
INSPECTION		
TESTING		
CONSTRUCTION	2,500,000	
EQUIPMENT		
MATERIAL		
FURNISHING		
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$2,750,000	

MAP



### DESCRIPTION:

This project is a recommendation from the Southeast Escambia County/Perdido Key Force Main system study to meet future system demands through year 2021. Project master planning may be required.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: CS

Program: Wastewater Collection

Project Title: Central County Sewer Collection  
System Expansion

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING				3,500			3,500
RENEWAL & REPLACEMENT							-
TOTAL				3,500	-	-	3,500

ESTIMATED PROJECT COSTS		MAP
1/16/2016		
ENV. ASSESS		
ENGINEERING	300,000	
SURVEY		
INSPECTION		
TESTING		
CONSTRUCTION	3,200,000	
EQUIPMENT		
MATERIAL		
FURNISHING		
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$3,500,000	

SYSTEM WIDE

DESCRIPTION:
ECUA plans to construct new wastewater treatment facilities in central Escambia County in anticipation of future growth. Extension of the collection system is necessary to provide a means of connection for new subdivisions and commercial developments.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

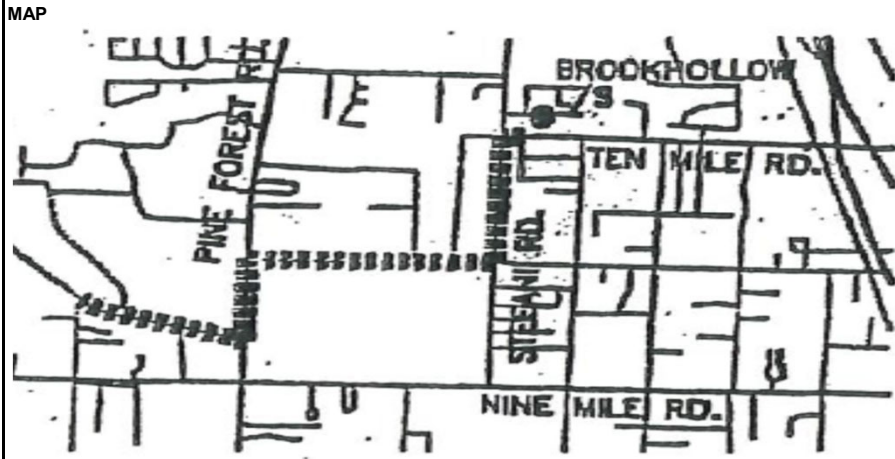
PROJECT NO: CS

Program: Wastewater Collection

Project Title: Brook Hollow Lift Station and  
Force Main Replacement

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING			1,300				1,300
RENEWAL & REPLACEMENT							-
TOTAL			1,300	-	-	-	1,300

ESTIMATED PROJECT COSTS		MAP
1/16/2016		
ENV. ASSESS		
ENGINEERING	90,000	
SURVEY		
INSPECTION		
TESTING		
CONSTRUCTION	910,000	
EQUIPMENT		
MATERIAL		
FURNISHING		
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$1,000,000	



### DESCRIPTION:

The Brook Hollow Lift Station has reached the limit of its current capacity. New development in the area is expected to continue. One major limiting factor in accepting new flows is the capacity of the force main serving the lift station. Since the force main needs to be upgraded. It make sense to eliminate the force main and lift station by replacing the force main with gravity sewer in the same easement to a new lift station to be installed at Stefani and Greenhills Road. This is a more direct route to the Bayou Marcus Reclamation Facility, and a new lift station in this area also opens additional areas for sewer connections.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: CS

Program: Wastewater Collection

Project Title: Village Oaks Sewer Bypass

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING				200			200
RENEWAL & REPLACEMENT							
TOTAL				200			200

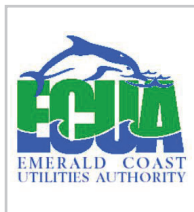
ESTIMATED PROJECT COSTS	
1/16/2019	
ENV. ASSESS	
ENGINEERING	15,000
SURVEY	
INSPECTION	
TESTING	
CONSTRUCTION	185,000
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	\$200,000

MAP

The map displays a street grid with several roads labeled: E. BURGESS RD at the top, SCHUBERT DR. running horizontally in the middle, and INTERSTATE 110 running vertically on the left. To the right, N. DAVIS HWY runs vertically, and VILLAGE OAKS DR. and LANGLEY AVE run horizontally. A north arrow is located in the top right corner. A dashed line, labeled 'EXISTING SEWER', shows a path that runs south from Schubert Dr., then turns east and then south again, passing near the 'VILLAGE OAKS SHOPPING CENTER'. A solid line indicates a proposed sewer bypass that runs east from Schubert Dr. and then turns south, crossing N. Davis Hwy. The area around the shopping center and the sewer lines is shaded with diagonal hatching.

### DESCRIPTION:

There is an existing sewer line that was constructed as a part of Village Oaks Shopping Center. The line was constructed and in service before it was realized that it was on an out parcel to the rear of the Village Oaks property. A business was built on this property in 1996. The sewer line is within 5 feet of the building. Rerouting this sewer and abandoning the section of the out parcel will remove any maintenance problems the existing line may cause by being located so close to the building.



# PROJECT DATA SHEET

## Capital Improvements Program

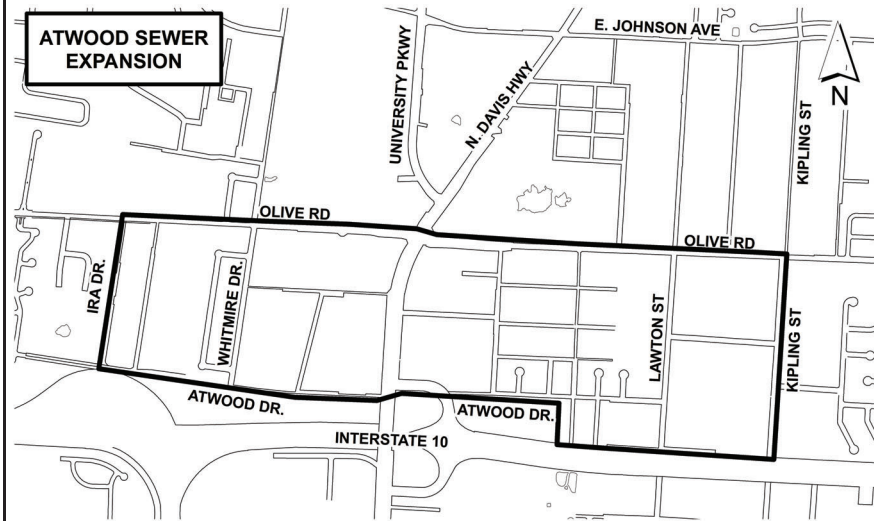
Fiscal Years  
2022-2026

Project no.: CS  
Program: Wastewater Collection  
Project Title: Atwood Sewer Expansion  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	0	4,000	0	0	4,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	0	4,000	0	0	4,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	0
ENGINEERING	200,000
SURVEY	100,000
CONSTRUCTION	3,700,000
EQUIPMENT	0
MATERIAL	0
LAND	0
TOTAL	4,000,000

ATWOOD SEWER EXPANSION



The map shows a residential area with several streets. A thick black line outlines the 'ATWOOD SEWER EXPANSION' area, which is bounded by Olive Rd to the north, Interstate 10 to the south, and Kipling St to the east. The area includes streets such as Ira Dr, Whitmire Dr, Atwood Dr, and Lawton St. A north arrow is located in the top right corner.

### DESCRIPTION:

The Atwood area, located in the vicinity of the Davis Hwy / I-10 intersection (Kipling St to the east, Ira Dr to the west, I-10 to the south & Olive Rd to the north) is not fully served by an ECUA gravity sewer system. Many residents are currently on septic tanks for sewer needs. The project will consist of the construction of new gravity sewer mains to accommodate the residents of Atwood currently without ECUA sewer service. It is assumed that construction would have to occur in phases - Ph 1 being east of Davis Hwy (\$2,500,000) and Ph 2 being west of Davis Hwy (\$1,500,000). A new lift station would be needed in each phase. This project is planned to be constructed with



# PROJECT DATA SHEET

## Capital Improvements Program

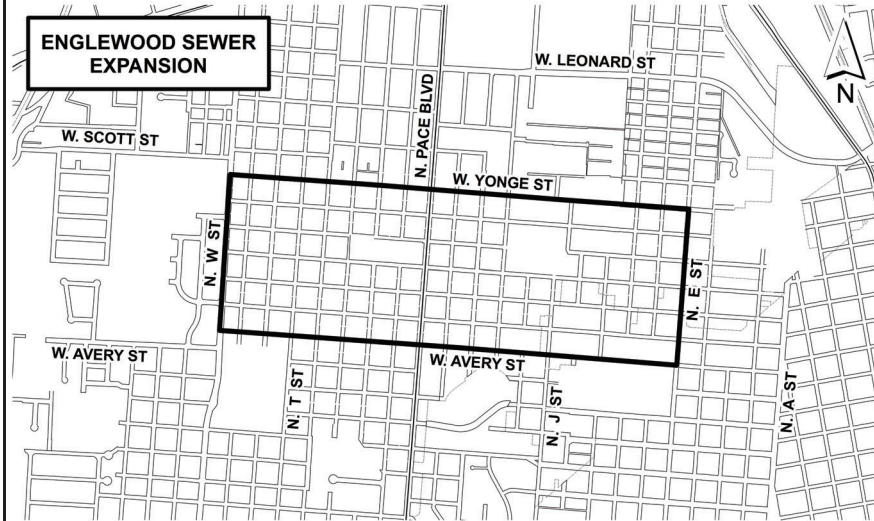
Fiscal Years  
2022-2026

Project no.: CS  
Program: Wastewater Collection  
Project Title: Englewood Sewer Expansion  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	0	0	3,000	0	3,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	0	0	3,000	0	3,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	150,000
SURVEY	100,000
CONSTRUCTION	2,750,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	3,000,000

ENGLEWOOD SEWER EXPANSION



### DESCRIPTION:

Large portions of the Englewood CRA area do not currently have an ECUA gravity sewer system constructed. A project is required for the construction of new gravity sewer mains to accommodate the residents of Englewood currently without ECUA sewer service. The majority of the new construction / service area proposed is within the following boundaries: "E" St to the east, "W" St to the west, Avery St to the south & Yonge St to the north. Some existing sewer is in the region - new sewer will be connected to existing sewer where feasible. A new lift station may be needed to fully serve customers in the area defined above. This project is planned to be constructed with funding participation from Escambia County.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS  
Program: Wastewater Collection  
Project Title: Ensley Sewer Expansion  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	3,000	3,000	3,000	0	9,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	3,000	3,000	3,000	0	9,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	500,000
SURVEY	200,000
CONSTRUCTION	8,300,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	9,000,000

ENSLEY SEWER EXPANSION AREAS

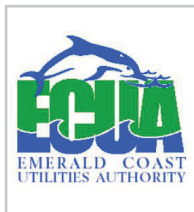
The map displays the Ensley Sewer Expansion Areas, highlighting six specific regions: Camden Area, Ensley PH1, Ensley PH2, Stockdale Area, Ackerman Area, and Tower Area. The map includes a grid of streets with major thoroughfares labeled: E. Nine Mile Rd, W. Detroit Blvd, N. Palfox St, Chemstrand Rd, Airway Dr, E. Johnson Ave, E. Olive Rd, and Pensacola Blvd. A north arrow is located in the upper right corner of the map area.

### DESCRIPTION:

The area of Ensley does not currently have an ECUA gravity sewer system constructed in the entire area. Many residents are currently on septic tanks for sewer needs. Work area limits proposed is south of Nine Mile Rd, east of I-110, north of I-10 & Olive Rd, and west of Jernigan Rd. The project will consist of the construction of new gravity sewer mains to accommodate the residents of Ensley currently without ECUA sewer service. This work has been planned previously to be constructed in 6 segments. The first phase is currently in design - called the Airway Dr / Stockdale Ave Sewer Expansion. Cost of the remaining areas to be approx. \$9M.

- \$3M: Camden Rd Sewer Expansion Area
- \$3M: Ensley St Phases 1 & 2
- \$3M: Ackerman Dr / Tower Dr Sewer Expansion Area





# PROJECT DATA SHEET

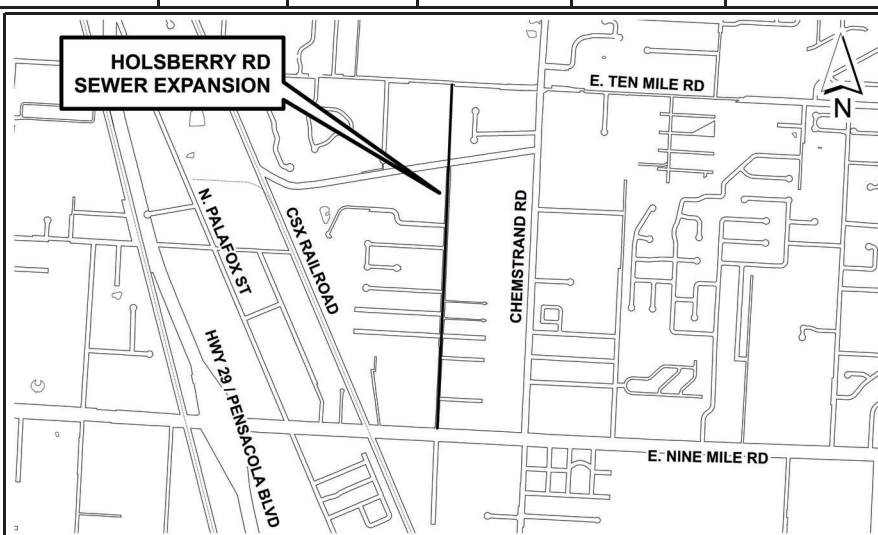
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CS  
Program: Wastewater Collection  
Project Title: Holsberry Rd Sewer Expansion  
Project Manager: K Fell

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	0	0	3,500	0	3,500
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	0	0	3,500	0	3,500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	150,000
SURVEY	50,000
CONSTRUCTION	3,300,000
EQUIPMENT	0
MATERIAL	0
LAND	0
TOTAL	3,500,000



### DESCRIPTION:

Areas along Holsberry Rd do not currently have a sewer collection / transmission system (ECUA owned & operated), thus many residents utilize septic tanks. The project will consist of the construction of approx. 13,000 LF of new gravity sewer mains and a new lift station, on Escambia County property adjacent to a stormwater pond, to accommodate the residents of Holsberry Rd. currently without ECUA sewer service.

Work is proposed on the following streets below with an approx. footage of pipe to replace:

Holsberry Rd - 3,200 LF  
E Nine Mile Rd & Nims Ln - 3,000 LF  
Strandview Dr - 1,500 LF  
Craft St - 1,400 LF  
Sprague Dr - 2,100 LF  
Tulsa Dr - 1,600 LF

**WASTEWATER COLLECTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RI700	Inflow & Infiltration ( I & I)	39,496	8,400	8,550	8,700	8,900	9,100	43,650	83,146
RI703	Miscellaneous Repair (I&I)	1,143	300	300	300	300	300	1,500	2,643
RI707	GSRLS Emergency Storage Tank	1,230	-	-	200	3,000	4,000	7,200	8,430
RI803	Guillemard Trunk Line	561	-	-	-	-	-	-	561
RS0006	Warrington Drying Beds	-	250	-	-	-	-	250	250
RS0007	Carpenters Creek Trunk Sewer Rehabilitation	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
RS0008	Transmission Main Investigation	500	-	-	-	-	-	-	500
RS008X	Pump Repair & Replacement	894	250	250	250	250	250	1,250	2,144
RS0017	Collection System Upgrade	750	750	750	750	750	750	3,750	4,500
RS0018	Lincoln Park Force Main Replacement	-	200	2,000	-	-	-	2,200	2,200
RS121	Lift Station Replacement and Upgrade	9,237	3,000	3,000	3,000	3,000	3,000	15,000	24,237
RS121A	Graveyard L/S # 58 Upgrade	1,368	-	-	-	-	-	-	1,368
RS121S	Charbar L/S #107 Upgrade	243	-	-	-	-	-	-	243
RS121W	L/S # 96 (Lake Estelle) Upgrade	103	-	700	-	-	-	700	803
RS121X	L/S # 220 (Bayou Grande West) Upgrade	15	-	-	-	-	-	-	15
RS121Y	L/S # 50 Replacement (Detroit) (L/S, FM and Gravity Mains	25	-	-	-	-	-	-	25
RS121Z	L/S # 307 Pinebrook Replacement	645	-	-	-	-	80	80	725
RS307	L/S # 6 (Industries) Demolition Removal	1,000	-	1,000	-	-	-	1,000	2,000
RS332	Bayou Marcus Boardwalk Maintenance	1,544	1,000	250	-	-	-	1,250	2,794
RS423D	Air Release Valve Renewal & Replacement	1,112	-	200	200	200	200	800	1,912
RS425	Bayou Marcus Generator Improvements	300	200	200	-	-	-	400	700
RS511I	Pensacola Beach PM Painting and Tank Rehabilitation	550	100	250	-	-	-	350	900
RS630	CWRF Reuse Pump Capacity Upgrade	690	-	150	-	-	-	150	840
RS638	Mackey Key Sewer Upgrade	200	-	-	-	-	-	-	200
RS728K	Lift Station Mechanical Needs	629	250	250	-	-	-	500	1,129
RS731	PB Plant #2 Lift Station Replacement	800	-	50	-	-	-	50	850
RS732	CWRF Clarifier and Chlorine Contact Chamber Coatings	700	150	-	-	-	-	150	850
RS880	Detroit Blvd. Force Main	600	-	-	-	-	-	-	600
RS883	PB WWTP Influent Piping Repairs	700	350	-	-	-	-	350	1,050
RS886	Government Regional Pump Upgrades	1,075	-	100	-	-	-	100	1,175
RS887	CTM Restoration at Rolling Hills	-	-	1,480	-	-	-	1,480	1,480
<b>TOTALS</b>		<b>67,110</b>	<b>16,200</b>	<b>20,480</b>	<b>14,400</b>	<b>17,400</b>	<b>18,680</b>	<b>87,160</b>	<b>154,270</b>

PRIOR YEARS	67,110
5 YR PROJECTION	87,160
	<b>154,270</b>

**WASTEWATER COLLECTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RS	Sherwood Force Main Rehabilitation	-	-	300	-	-	-	300	300
RS	E. Baars St. Gravity Sewer Replacement	-	-	225	-	-	-	225	225
RS	Miscellaneous Lift Station Abandonment	-	-	250	250	250	250	1,000	1,000
RS	Carriage Hills Sewer System Rehabilitation	-	-	-	500	-	-	500	500
RS	Pine Forest Force Main Upgrade	-	-	-	-	275	-	275	275
RS	Montclair Force Main Upgrade (Main Street Side)	-	-	-	1,600	-	-	1,600	1,600
RS	L/S # 206 (Panferio Dr. ) Replacement	-	-	85	750	-	-	835	835
RS	L/S # 207,209, and 211 Upgrade and Piping Modification	-	-	200	1,000	1,000	-	2,200	2,200
RS	L/S 245, 293 and 219 Abandon-Construct New Lift Station	-	-	-	175	1,275	-	1,450	1,450
RS	W. Roberts Rd. Sewer Exp. and Abandonment of L/S # 371 &	-	-	-	-	100	1,000	1,100	1,100
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>1,060</b>	<b>4,275</b>	<b>2,900</b>	<b>1,250</b>	<b>9,485</b>	<b>9,485</b>

PRIOR YEARS	-
5 YR PROJECTION	9,485
	<b>9,485</b>

**WASTEWATER COLLECTION  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RI700	Inflow & Infiltration ( I & I)	39,496	8,400	8,550	8,700	8,900	9,100	43,650	83,146
RI703	Miscellaneous Repair (I&I)	1,143	300	300	300	300	300	1,500	2,643
RI707	GSRLS Emergency Storage Tank	1,230	-	-	200	3,000	4,000	7,200	8,430
RI803	Guillemard Trunk Line	561	-	-	-	-	-	-	561
RS0006	Warrington Drying Beds	-	250	-	-	-	-	250	250
RS0007	Carpenters Creek Trunk Sewer Rehabilitation	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
RS0008	Transmission Main Investigation	500	-	-	-	-	-	-	500
RS008X	Pump Repair & Replacement	894	250	250	250	250	250	1,250	2,144
RS0017	Collection System Upgrade	750	750	750	750	750	750	3,750	4,500
RS0018	Lincoln Park Force Main Replacement	-	200	2,000	-	-	-	2,200	2,200
RS121	Lift Station Replacement and Upgrade	9,237	3,000	3,000	3,000	3,000	3,000	15,000	24,237
RS121A	Graveyard L/S # 58 Upgrade	1,368	-	-	-	-	-	-	1,368
RS121S	Charbar L/S #107 Upgrade	243	-	-	-	-	-	-	243
RS121W	L/S # 96 (Lake Estelle) Upgrade	103	-	700	-	-	-	700	803
RS121X	L/S # 220 (Bayou Grande West) Upgrade	15	-	-	-	-	-	-	15
RS121Y	L/S # 50 Replacement (Detroit) (L/S, FM and Gravity Mains	25	-	-	-	-	-	-	25
RS121Z	L/S # 307 Pinebrook Replacement	645	-	-	-	-	80	80	725
RS307	L/S # 6 (Industries) Demolition Removal	1,000	-	1,000	-	-	-	1,000	2,000
RS332	Bayou Marcus Boardwalk Maintenance	1,544	1,000	250	-	-	-	1,250	2,794
RS423D	Air Release Valve Renewal & Replacement	1,112	-	200	200	200	200	800	1,912
RS425	Bayou Marcus Generator Improvements	300	200	200	-	-	-	400	700
RS511I	Pensacola Beach PM Painting and Tank Rehabilitation	550	100	250	-	-	-	350	900
RS630	CWRF Reuse Pump Capacity Upgrade	690	-	150	-	-	-	150	840
RS638	Mackey Key Sewer Upgrade	200	-	-	-	-	-	-	200
RS728K	Lift Station Mechanical Needs	629	250	250	-	-	-	500	1,129
RS731	PB Plant #2 Lift Station Replacement	800	-	50	-	-	-	50	850
RS732	CWRF Clarifier and Chlorine Contact Chamber Coatings	700	150	-	-	-	-	150	850
RS880	Detroit Blvd. Force Main	600	-	-	-	-	-	-	600
RS883	PB WWTP Influent Piping Repairs	700	350	-	-	-	-	350	1,050
RS886	Government Regional Pump Upgrades	1,075	-	100	-	-	-	100	1,175
RS887	CTM Restoration at Rolling Hills	-	-	1,480	-	-	-	1,480	1,480
<b>TOTALS</b>		<b>67,110</b>	<b>16,200</b>	<b>20,480</b>	<b>14,400</b>	<b>17,400</b>	<b>18,680</b>	<b>87,160</b>	<b>154,270</b>

PRIOR YEARS	67,110
5 YR PROJECTION	87,160
	<b>154,270</b>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RI700  
Program: Wastewater Collection  
Project Title: Inflow & Infiltration (I&I)  
Project Manager:: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	39,496	8,400	8,550	8,700	8,900	9,100	83,146
TOTAL	39,496	8,400	8,550	8,700	8,900	9,100	83,146

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT	
ENGINEERING 5,500,000	
SURVEY	
CONSTRUCTION 77,646,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 83,146,000	

### DESCRIPTION:

I & I are contributing factors to sanitary sewer overflows (SSOs). ECUA has been under a DEP consent order since 2012, requiring a comprehensive evaluation of the ECUA collection system, and subsequent repair and rehabilitation aimed at reducing SSOs. ECUA's Capital Improvement Program has included a project for I & I reduction since 2006, and continues to use this project as the vehicle to address sewer rehabilitation, and ensure compliance with the consent order. This is a multi-phase, multi-year project to identify, quantify, and correct sources of I & I in the collection system. Work includes the installation of temporary and long-term flow monitors, physical assessment of gravity mains, force mains and lift stations, development and calibration of a hydraulic computer model to assist in the prioritization of work and rehabilitation efforts, and to identify and fund future CIP projects.

The first of three phases of the consent order has been completed, namely the comprehensive evaluation of the system. The information derived from this effort formed the basis for identification of priority rehabilitation projects, to be completed over a ten-year period (known as the Corrective Action Plan). The main elements of the Corrective Action Plan are mainline points repairs (500) and lining (270 miles), lateral point repairs (3,700) and lining (18,500), replacement of 6-inch gravity mains (10 miles), force main replacement (65 miles), manhole rehabilitation (5,600) and replacement (450), lift station replacements and upgrades (50), and construction and rehabilitation completed over the last several years. ECUA is performing work consistent with the Corrective Action Plan.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RI703

Program: Wastewater Collection

Project Title: Miscellaneous Repair I&I

Project Manager:: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,143	300	300	300	300	300	2,643
TOTAL	1,143	300	300	300	300	300	2,643

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION 2,643,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
TOTAL 2,643,000	

**DESCRIPTION:**

This project will consist of approximately \$300,000 in emergency and other necessary repairs to the sewer system each year. The repair work includes manholes, gravity main lines, and right of way service lateral lining for problematic areas identified and need an immediate response.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RI707

Program: Wastewater Collection

Project Title: GSRLS Emergency Storage Tank

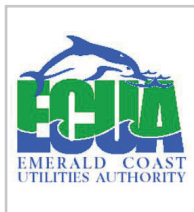
Project Manager:: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,230	0	0	200	3,000	4,000	8,430
TOTAL	1,230	0	0	200	3,000	4,000	8,430

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	To Be Determined
ENV. ASSESSMENT	
ENGINEERING 400,000	
SURVEY 50,000	
CONSTRUCTION 7,980,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 8,430,000	

### DESCRIPTION:

The Government Street Regional Lift Station (GSRLS) Emergency Storage Tank project is the highest priority project listed in the Florida Department of Environmental Protection approved Corrective Action Plan for ECUA. This project will be designed and built on land to be purchased for an emergency storage tank for sanitary sewer for CWRf transmission main interruptions and other emergencies to reduce sanitary sewer overflows. A 10 million gallon storage tank is desired to meet an average day flow from the GSRLS and attenuate flows during storm events to prevent or significantly reduce sanitary sewer overflows.



# PROJECT DATA SHEET

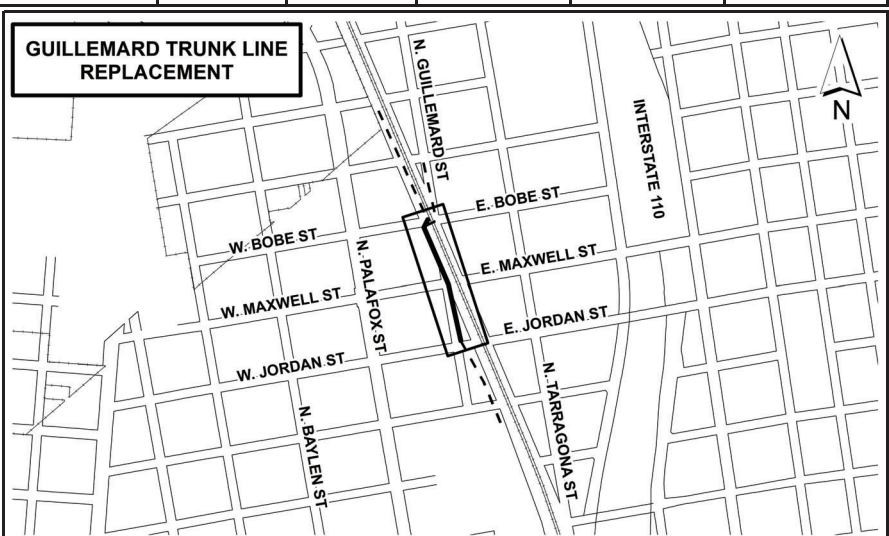
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RI803  
Program: Wastewater Collection  
Project Title: Guillemard Trunk Line Replacement  
Project Manager: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							0
OPERATING							
RENEWAL & REPLACEMENT	561	0	0	0	0	0	561
TOTAL	561	0	0	0	0	0	561

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	20,000
CONSTRUCTION	541,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	561,000



**DESCRIPTION:**

This project is the replacement of a failed section of 36-inch and 42-inch diameter sewer main located along Guillemard Street between the intersections of BoBe Street and Jordan Street. Temporary repairs have been made using ECUA's Emergency Contractor, however, permanent repairs are needed to prevent any further collapse of the roadway.




# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS0006  
Program: Regions Sewer Maintenance  
Project Title: Warrington Drying Beds  
Project Manager:: R.Dunlap

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	250	0	0	0	0	250
TOTAL	0	250	0	0	0	0	250

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION 250,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 250,000	

### DESCRIPTION:

The Regional Services Sewer Maintenance division operates a drying bed at the Regional Services facility in Warrington for sand and other solids removed from the wastewater collection system. Both ECUA and local private contractors utilize the drying beds to dump solids that are removed with the vacuum trucks. After the solids are dewatered, they are transported and properly disposed of at a landfill. The private contractors are charged a fee based on the volume of the debris in the tank.

The intent of the drying beds is to keep the solids contained on the sloped concrete pad while gravity carries the liquid to the grate drain, which ultimately drains to a lift station for transmission to a treatment facility. However, there are several design flaws with the existing drying beds that allow contaminants to escape the holding pit during the dumping process, allow substantial amounts of sand to enter the grate drain and the lift station, and allow inflow during significant rain events. These issues severely limit the capacity of the beds.

In order to correct these issues and increase capacity, the drying beds are being re-designed. This CIP project funding will be utilized to demolish the existing drying bed system and construct a new drying bed system with features designed to minimize the amount of rainwater inflow, increase sediment retention, and provide a better system for removing the sediment for proper disposal.





# PROJECT DATA SHEET

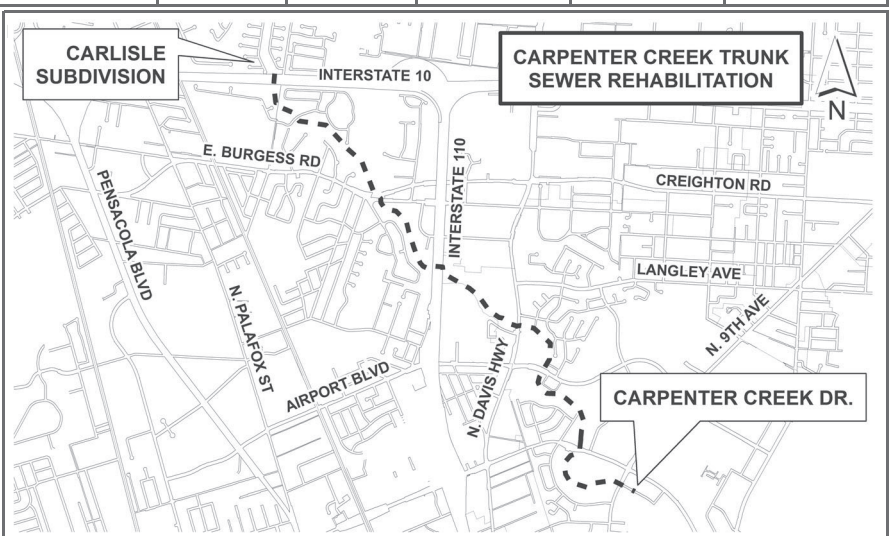
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS0007  
Program: Wastewater Collection  
Project Title: Carpenter Creek Trunk Sewer Rehat  
Project Manager:: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,000	1,000	1,000	1,000	1,000	1,000	6,000
TOTAL	1,000	1,000	1,000	1,000	1,000	1,000	6,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	300,000
SURVEY	
CONSTRUCTION	5,700,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	6,000,000



### DESCRIPTION:

The Carpenter Creek trunk sewer is a vital part of the ECUA sewer infrastructure. It consists of ductile iron sewer line varying in size from 18" to 36" and follows Carpenter Creek for approximately 25,000 feet. There are approximately 120 manholes associated with it that may require corrosion preventative coating, or repair and coating rehabilitation. This must be considered a high priority rehabilitation program due to the environmentally sensitive location and the difficulty of access if a collapse should occur. In addition breaks recently occurred resulting in approximately 307,000 gallons of sewer spilling into the creek beginning February 10, 2020. It is recommended that as a minimum a multi-year program of rehabilitation be undertaken to safeguard this valuable resource. The April 2014 rain event caused severe erosion along Carpenter Creek. Additional inspections of the gravity sewer may be necessary to evaluate current conditions and upgrade plans for rehabilitation.

Additional years of funding are anticipated beyond the 5 years shown.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RS0008

Program: Wastewater Collection

Project Title: Transmission Main Investigation

Fiscal Years: 2022-2026

Project Manager:: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	500	0	0	0	0	0	500
TOTAL	500	0	0	0	0	0	500

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING 500,000	
SURVEY	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 500,000	

DESCRIPTION:
<p>The Transmission Main Investigation project will consist of analyzing the ductile iron CWRP Transmission Main for defects and loss of integrity at suspect pipe locations. Additional testing methods will be employed as areas of interest are identified and a plan of action will be developed around site specific conditions.</p>



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RS008X

Program: Wastewater Collection

Project Title: Pump Repair & Replacement

Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	894	250	250	250	250	250	2,144
TOTAL	894	250	250	250	250	250	2,144

ESTIMATED PROJECT COSTS	VARIOUS LOCATIONS
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT 2,144,000	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 2,144,000	

**DESCRIPTION:**

This program was originally designed to bring all lift stations up to our design standard, which will speed up replacement and reduce costs. It is now required to upgrade lift stations to accommodate new growth and repair or replace pumps that are worn out or undersized and in need of upgrading. This program is part of a preventive maintenance program that is being carried out by the Lift Station Division. This program is targeted towards the small and medium size pumps. However, the pumps at our larger critical stations are also being repaired or replaced due to wear and age as a part of this project. We have over 379 lift stations with more than 600 pumps in our system. With an average life expectancy of 15 years, we need to plan to replace as many as 40 pumps per year. As growth is continuing, many stations must be upgraded. This is particularly true of stations which repump the sewage from several smaller stations.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS\_0017  
 Program: Wastewater Collection  
 Project Title: Collection System Upgrades  
 Project Manager: Brian Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	750	750	750	750	750	750	4,500
TOTAL	0	750	750	750	750	750	3,750

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 10/1/2021	System Wide
ENV. ASSESSMENT 0	
ENGINEERING 250,000	
SURVEY 250,000	
CONSTRUCTION 2,500,000	
EQUIPMENT 750,000	
MATERIAL 750,000	
LAND 0	
TOTAL 4,500,000	

### DESCRIPTION:

The Regional Services Department is responsible for the maintenance of the wastewater collection system. This annual project will make permanent, structural improvements in the wastewater collection system that are necessary to prolong the life of the system and provide the best possible service to ECUA's customers. These are examples of the types of improvements that will be completed:

- Repair or replacement of gravity sewer mains that require routine maintenance due to defects
- Installation of short extensions of the collection system to improve its effectiveness
- Repair, replacement or upgrade of existing air release valves (ARVs) or the installation of new ARVs
- Repair or rehabilitation of defective manholes
- Maintenance or replacement of check valves and the vaults that house them
- Replacement of critical valves in force mains that have failed
- Replacement of sewer service laterals that fail in locations where ECUA is responsible for maintenance
- Purchase of equipment necessary to inspect or maintain the collection system
- Inspection to anticipate problems and preventative maintenance to prolong the life of the system

This is an annual project to make improvements either on an emergency basis or by working through a priority list of critical projects as circumstances dictate. Engineering services will be provided by the Regional Services staff or by an outside firm for larger projects. Construction will be completed by the Regional Services staff or by a private contractor if needed. Appropriate materials and equipment will be purchased for each project and survey services may be required periodically.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS 0018  
Program: Wastewater Collection  
Project Title: Lincoln Park Force Main Replacement  
Project Manager: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	200	2000	0	0	0	2,200
TOTAL	0	200	2,000	0	0	0	0

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	150,000
SURVEY	50,000
CONSTRUCTION	2,000,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,200,000

LINCOLN PARK FORCE  
MAIN REPLACEMENT

### DESCRIPTION:

The existing 10" ductile iron force main from the Lincoln Park lift station (No. 10), which runs under U.S. 29 and Olive Road, has been in service for approximately 30 years. At present, over 500,000 gallons of sewage passes through the 10" ductile iron force main each day. The line is a safety concern because hydrogen sulfide gas is damaging the existing ductile iron pipe and it has been repaired numerous times over the years. This project will consist of installing over 12,000 L. F. of new 12" force main-by various methods including direct bury, pipe bursting, jack and bore (for crossing railroad tracks at U. S. Hwy. 29), etc.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS121  
Program: Wastewater Collection  
Project Title: Lift Station Rehabilitation  
Project Manager:: J Kearley

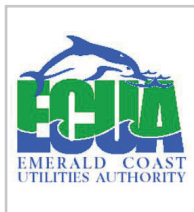
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	9,237	3,000	3,000	3,000	3,000	3,000	24,237
TOTAL	9,237	3,000	3,000	3,000	3,000	3,000	24,237

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	Various Locations
ENV. ASSESSMENT	
ENGINEERING 2,500,000	
SURVEY	
CONSTRUCTION 17,637,000	
EQUIPMENT 1,000,000	
MATERIAL	
LAND 100,000	
TOTAL 21,237,000	

### DESCRIPTION:

ECUA's sanitary sewer collection system includes approximately 380 active lift stations. Many of these lift stations are in poor condition and in need of major repair or replacement. Many of these older, un-lined, concrete wet wells have deteriorated and need to be replaced with much more corrosion resistant fiberglass wet wells. Projects may also include more efficient pumps, pump guide rails systems which facilitates safer pump removal, and/or new electrical control panels. The lift stations to be addressed includes, but is not limited to, the list below:

LS#	Name	LS#	Name
105	Canterbury Woods	62	Creighton/Scenic
52	Carrollwood	70	19th and Blackshear
24	Green Street North	263	Sandy Key
103	Bay Meadows	18	Joe Patti's
98	Brookhollow	138	Lake Charlene
206	Panfario Drive	306	Maui Gardens
207	Sand Dollar	322	Busbee
209	Sabine Drive	210	Avenida 21
211	Baywatch Condo	4	12th Ave.
245	Nirvana	102	Avondale
106	Quezon Pines	124	Sherwood
293	Nirvana South	150	Pen Haven
219	Bayou Grande East	261	Old Cantonment
220	Bayou Grande West	97	Kings Road
199	Perdido Beach	125	Star Lake



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

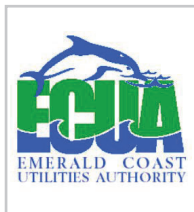
Project no.: RS121A  
Program: Wastewater Collection  
Project Title: LS 58 Removal/LS 57 Upgrade  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,368	0	0	0	0	0	1,368
TOTAL	1,368	0	0	0	0	0	1,368

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 1/2/13	
ENV. ASSESSMENT	
ENGINEERING 96,000	
SURVEY 10,000	
CONSTRUCTION	
EQUIPMENT 1,250,000	
MATERIAL	
LAND 12,000	
TOTAL 1,368,000	

### DESCRIPTION:

The Engineering Department has been working with Kenneth Horne & Associates on the abandonment of Lift Station 58 and the work associated with connecting the Lift Station 58 to the Lift Station 57 site via a new gravity sewer main. Originally, this project consisted of upgrades to the existing Lift Station 58 and in a separate project. Constantine Engineering was hired to handle the engineering services related to the replacement of Lift Station 57. During the design it was realized that Lift Station 58 could be completely abandoned and connected to Lift Station 57 with a new gravity sewer main. The scope for KHA was altered to include abandonment of the existing Lift Station 58 and design of a new gravity sewer main to Lift Station 57 as well as the associated return force main. Now, these originally separate projects are dependent on each other and it has been decided that transferring all engineering services to one party and combining the scopes of these projects would be the most feasible way to move forward with the project. This project is noted in the Corrective Action Plan. Therefore, any additional funding that is needed may be sourced from RI700.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RS121S  
 Program: Wastewater Collection  
 Project Title: Charbar LS# 107  
 Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	243	0	0	0	0	0	243
TOTAL	243	0	0	0	0	0	243

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 2/12/2016	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 243,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 243,000	

### DESCRIPTION:

L/S # 107, called the Charbar lift station, is located on Mobile Hwy. approximately 750' west of Massachusetts Ave. The existing lift station wet well, pumps, access road, etc. are in a flood prone area. The facilities have been damaged in the past due to high flood water elevation. While reviewing the job site, staff has found that a gravity sewer pipe and a force main pipe are exposed in the bottom of an adjacent creek. This project is required to replace exposed pipes and conduct needed safety, code related improvements to the lift stations. The current plan is to construct a new lift station to the west of the existing lift station and prepare the new lift station and equipment to resist flooding.

\* Additional expenses will be funded from RS121 (Lift Station Replacement and Upgrade).





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

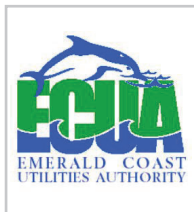
Project no.: RS121W  
Program: Wastewater Collection  
Project Title: Lake Estelle LS# 96 Upgrade  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	103	0	700	0	0	0	803
TOTAL	103	0	700	0	0	0	803

ESTIMATED PROJECT COSTS	
Project Start Date: 2/12/2016	
ENV. ASSESSMENT	0
ENGINEERING	65,000
SURVEY	0
CONSTRUCTION	738,000
EQUIPMENT	0
MATERIAL	0
LAND	0
TOTAL	803,000

MAP

DESCRIPTION:
<p>L/S # 96, located on Pine Forest Road approximately 1/3 miles north of Five Flag Speedway, is located in a flood prone area and has been totally submerged during past rain events. During major rain events, crews basically have to wade through water to get to the lift station. Also, due to the lack of an established access road, ECUA crews have to cross private property to access the site. This project is required to : (1) provide an adequate access lane and driveway to the site on Pine Forest Rd., (2) raise the lift station top to prevent over topping, and (3) conduct required safety/code related issues.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS121X  
Program: Wastewater Collection  
Project Title: LS #220 (Bayou Grande West)  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	15	0	0	0	0	0	15
TOTAL	15	0	0	0	0	0	15

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 15,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 15,000	

### DESCRIPTION:

Lift Station #220, located in the street at the intersection of Acapulco Camino and Sonora Calzada, was analyzed for possible abandonment. The property needed for the construction of a new lift station has been obtained. An impact to the existing roadway will occur for installation is approximately 320 L.F. of new 8" sanitary sewer-diversity flow to the new site. Electrical controls must be replaced and control panels must be elevated to minimize impact from storm surges/flooding.

\* Additional expenses will be funded from RS121 (Lift Station Replacement and Upgrade).



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS121Y  
Program: Wastewater Collection  
Project Title: LS#50 Detroit Replacement  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	25	0	0	0	0	0	25
TOTAL	25	0	0	0	0	0	25

ESTIMATED PROJECT COSTS	
Project Start Date: 2/10/2017	
ENV. ASSESSMENT	
ENGINEERING	250,000
SURVEY	60,000
CONSTRUCTION	3,000,000
EQUIPMENT	200,000
MATERIAL	
LAND	
TOTAL	3,510,000

MAP

The map displays a project area with several key features:   
 - **Detroit Blvd**: A major horizontal road running across the top.   
 - **Lincoln Park Lift Station (LS 10)**: A rectangular box labeled with the station name, located south of Detroit Blvd.   
 - **Pine Forest Rd**: A road running diagonally from the bottom left towards the center.   
 - **Interstate 10**: A road running diagonally from the center towards the bottom right.   
 - **Untreiner Ave**: A vertical road on the far right side.   
 - **Detroit Blvd Lift Station (LS 50)**: A rectangular box labeled with the station name, located on Detroit Blvd.   
 - **Sewer Lines**: A network of lines with arrows indicating flow direction, connecting the lift stations and running along the roads.

### DESCRIPTION:

The older station is located in the Detroit Blvd. ROW, adjacent to the road itself, which provides unsafe conditions for repairs and maintenance due to the limited space and vehicular traffic. Also, the station is located next to a bridge/creek that floods regularly, to include flooding the lift station and making access impossible. The collection basin sending sewer to the station experiences high I & I, therefore the station may also require pump upgrades. The entire area is experiencing rapid development and the sewer system can not receive additional sewer as it is at capacity. Property in the Detroit Manor Subdivision was purchased for a suitable lift station site. Proposed with the lift station project is a gravity expansion project to add additional homes in Detroit Manor Subdivision, will allow new development and eliminate 2 existing lift stations. This would also allow development in the lift station #50 and #387 sewer shed.

\* Additional expenses will be funded from RS 121 (Lift Station Replacement and Upgrade).



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS121Z  
Program: Wastewater Collection  
Project Title: LS#307 Pinebrook Replacement  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	645	0	0	0	0	80	725
TOTAL	645	0	0	0	0	80	725

ESTIMATED PROJECT COSTS	
Project Start Date: 2/1/2017	
ENV. ASSESSMENT	
ENGINEERING	50,000
SURVEY	10,000
CONSTRUCTION	615,000
EQUIPMENT	50,000
MATERIAL	
LAND	
TOTAL	725,000

MAP

Pinebrook Estates Lift Station (LS 307)

PINEBROOK CIR.

PINEBROOK CIR.

Nowak Dairy (Prop. S/D)

S. HWY 97

SHERRILANE DR.

HWY 297A

### DESCRIPTION:

ECUA's L/S # 307 (Pinebrook Estates) is located in the Pinebrook Estates subdivision. A new 152 lot subdivision, Nowak Dairy, is being proposed to the south of Pine Brook Estates, with sewer proposed to connect to Pinebrook Estates and L/S. This option would assist ECUA with the avoidance of another L/S being built exclusively for Nowak Dairy, but due to L/S # 307's limited pumping and wetwell volume would require a complete rebuild of the L/S. ECUA is negotiating with the developer of Nowak Dairy subdivision on cost-sharing arrangement whereas the developer would cost-participate on the L/S replacement, with ECUA performing the replacement as part of our CIP program. One of the prerequisites for this project to happen will be to find a parcel for the new lift station sites.



# PROJECT DATA SHEET

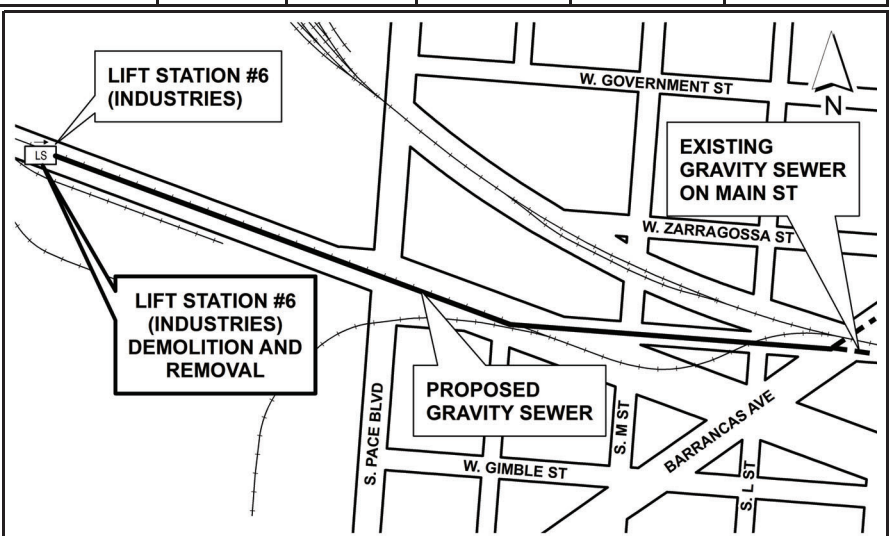
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS307  
Program: Wastewater Collection  
Project Title: LS 6 Industries Demo New Grav Ma  
Project Manager: P Kummer

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,000	0	1,000	0	0	0	2,000
TOTAL	1,000	0	1,000	0	0	0	2,000

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	100,000
SURVEY	
CONSTRUCTION	1,900,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	2,000,000



**DESCRIPTION:**

Lift Station # 6 serve three industries, Arizona Chemical, Reichold and Armstrong Industries. The lift station wet well is made of metal and is approximately 30 years old and deteriorating. A new gravity line will be installed to connect to the upgraded Main St. sewer lines thereby eliminating the need for a lift station. Upon completion, the top of the wet well will be cut-off below grade and filled with dirt.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

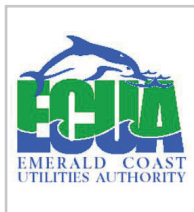
Project no.: RS332  
Program: Wastewater Collection  
Project Title: Bayou Marcus Boardwalk  
Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,544	1,000	250	0	0	0	2,794
TOTAL	1,544	1,000	250	0	0	0	2,794

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 8/1/2019	
ENV. ASSESSMENT	
ENGINEERING 75,000	
SURVEY	
CONSTRUCTION 2,204,000	
EQUIPMENT	
MATERIAL 515,000	
LAND	
TOTAL 2,794,000	

### DESCRIPTION:

The existing boardwalk was constructed in 1997 and is maintained by ECUA. The boardwalk is approximately 7740' long x 8' wide and is constructed of southern pressure treated white pine with a structural life of 15 years at most. The boardwalk serves as a nature trail and provides a means for treated effluent to be discharged back into the natural ecosystem. The boardwalk has been maintained over the years by replacing boards as they fail. This peace meal effort is unable to keep up with the rapidly aging structure. Based on the analysis conducted by HMM on the condition of the boardwalk and the decaying condition of the handrail and distribution piping, several repair methods were reviewed and the most cost effective option to properly repair the boardwalk and provide structural reinforcement to the distribution piping is to use Brazillian hardwood (60 year life span) deck planks with an HDPE effluent pipe system including an auxiliary aluminum tray support system as the optimal configuration for construction. This would remove the weight of the effluent distribution piping from the hand rail system and transfer it to the columns supporting the boardwalk. The report is available for review.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RS423D  
 Program: Wastewater Collection  
 Project Title: ARV Renewal and Replacement  
 Project Manager: B Reid

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,112	0	200	200	200	200	1,912
TOTAL	1,112	0	200	200	200	200	1,912

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	N/A - VARIOUS LOCATIONS
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 1,912,000	
MATERIAL	
LAND	
TOTAL 1,912,000	

**DESCRIPTION:**

There are in excess of 420 Air Release Valves in the collection system which are essential to the proper operation of the force mains. The program will expedite the installation of valves through contractual support while the inspection and preventative maintenance responsibilities will be addressed with internal forces.





# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RS425  
 Program: Wastewater Collection  
 Project Title: BM Electrical Master Plan  
 Project Manager:: Gerry Piscopo

Fiscal Years: 2022-2026

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	300	200	200	0	0	0	700
TOTAL	300	200	200	0	0	0	700

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 200,000	
SURVEY	
CONSTRUCTION	
EQUIPMENT 500,000	
MATERIAL	
LAND	
TOTAL 700,000	

### DESCRIPTION:

The Bayou Marcus Water Reclamation Facility (the Facility) is an Advanced Water Treatment (AWT) Facility originally constructed in 1989 and has had several additions and modifications to become the Facility it is today. Over the course of 30 years, the Facility has upgraded process, expanded, and is currently rated for 8.2 million gallons per day (MGD) with discharge to about 1000 acres of wetlands adjacent to the Facility. Recent expansions for hydraulic capacity

Based on current codes, the facilities electrical system does not meet all of the new mandated redundancy/ backup power requirements. This project will develop a master plan and path to implement the following items:

- Two separate and independent sources of electric power shall be provided from either two separate utility substations or from a single substation and an onsite generator.
- The power distribution system is required to be designed such that no single fault or loss of source will result in an extended disruption of electrical service to more than one motor control center associate with the Class I components requiring backup power.
- Vital loads serving the same function are required to be divided as equally as possible between two motor control centers.
- The power distribution needs to be modified to allow inspection and maintenance of individual items without causing a disruption to plant operation.
- The equipment shall be protected from physical damage by the 100-year flood.
  - The Facility must be able to continue running through a 25-year flooding event.
- Control systems whose failure could result in an effluent violation are required to have manual overrides and alarms for failure.
- Critical instrumentation is required to include back up sensors and readouts.
- Where ultraviolet (UV) Disinfection is utilized, the impact of short-term interruptions of electrical service is required to be evaluated for the impact to the system.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS5111  
Program: Wastewater Collection  
Project Title: Pensacola Beach Tank Painting  
Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	550	100	250	0	0	0	900
TOTAL	550	100	250	0	0	0	900

ESTIMATED PROJECT COSTS		MAP
Project Start Date: 8/1/2019		
ENV. ASSESSMENT		
ENGINEERING		
SURVEY		
CONSTRUCTION	650,000	
EQUIPMENT		
MATERIAL	250,000	
LAND		
TOTAL	900,000	

### DESCRIPTION:

To conduct corrosion control and repairs to the carbon steel tanks at the Pensacola Beach Plant. Specifically the 2.4 million gallon storage tank, the clear well, the sludge holding tank for both plants and the carbon steel piping associated with the denitrification filter gallery. Replace any corroded bolts and repair damage to the ceramic coating on the steel plates. Additionally, repairs to the anode system, which provides cathodic protection, will also be required. It was determined during the annual inspection that the corrosion of the wind girder on the 2.4 million gallon tank required replacement, pinholeing and the decay of the upper ring were required.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS630  
Program: Wastewater Collection  
Project Title: CWRP Reuse Pump Upgrade  
Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	690	0	150	0	0	0	840
TOTAL	690	0	150	0	0	0	840

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 25,000	
SURVEY	
CONSTRUCTION 250,000	
EQUIPMENT 565,000	
MATERIAL	
LAND	
TOTAL 840,000	

### DESCRIPTION:

Due to pump capacity, CWRP is capable of sending reclaimed water to 2 or 3 directions from the International Paper pump station at any given time before total flow drops. This project will expand the International Paper pumps station capacity which will ensure that the CWRP has the ability to use all routes of dispersing reclaimed water during future rain events. Additionally, the pump upgrade is required to be able for the CWRP to meet it's disposal needs if either the Gulf Power Crist Plant were to shut down or in the event that the IP Mill were to shut down. The new pumps would provide enough flow and pressure to be able to discharge the majority of the plants flow to the IP Wetlands and allow the operation of Spray Field 19, a capability that the current pumps cannot support. The project would include the following:

- \* 3 - 10' - 400 HP Fairbanks Morris horizontal splitcase pumps, Model: 2825A-400 HP; 1190 RPM.
- \* 3 - 400 HP Allen Bradley VFD MCC Sections.
- \* Demolition/Installation of old/new pumps; new piping and foundations.
- \* Installation of new VFD's and cabling.
- \* Revised Arc Flash Study.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS638

Program: Wastewater Collection

Project Title: Mackey Key Sewer

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	200						200
TOTAL	200						200

ESTIMATED PROJECT COSTS	MAP
3/01/16	
ENV. ASSESS	
ENGINEERING	
SURVEY	
INSPECTION	
TESTING	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	

**DESCRIPTION:**

ECUA was given the maintenance responsibility for this previously private low-pressure sewer system. This system has an estimated 2700 linear feet of pipe which needs replacing to bring it to ECUA standards. There are currently 28 active services and an additional 20 other vacant lots which may be sold. This is immediately adjacent to a body of water, the Escambia River, and is a prime candidate for sanitary sewer overflows.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RS728K

Program: Wastewater Collection

Project Title: Annual LS Mech Needs

Fiscal Years: 2022-2026

Project Manager:: Gerry Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	629	250	250	0	0	0	1,129
TOTAL	629	250	250	0	0	0	1,129

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	
MATERIAL 1,129,000	
LAND	
TOTAL 1,129,000	

### DESCRIPTION:

To provide funding for mechanical needs at ECUA's growing list of lift stations. To make necessary capital improvements to lift stations and mechanical repairs as needed. To replace mechanical piping, pumps, or make wet well repairs as needed due to unforeseen conditions including coatings; bypass pumping and any other maintenance.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS731

Program: Wastewater Collection

Project Title: PCB Plant #2 L/S Replacement

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	800		50				850
TOTAL	800		50				850

ESTIMATED PROJECT COSTS	MAP
3/1/2016	VARIOUS LOCATIONS
ENV. ASSESS	
ENGINEERING	
SURVEY	
INSPECTION	
TESTING	
CONSTRUCTION 400000	
EQUIPMENT 450000	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL \$850,000	

### DESCRIPTION:

The scope and purpose of this project is to replace and upgrade the influent L/S at Plant # 2 of the Pensacola Beach Wastewater Treatment Plant. The project would include replacement of the L/S pumps, base elbows and piping; upgrading the valve vault from underground to above ground; installation of new access hatches sized for the new pumps as well as personnel safety grates. Other items included in this upgrade would be a new coating system for the wetwell; a new flow meter and acutated valve to allow the control room to divert a portion of the influent flow from Plant # 2 L/S to the reject tank to avoid a process disruption of Plant # 2 during excessively high flows. The current L/S lacks this level of sophistication. Additionally, there would be an upgrade to the blowers on Plant # 1 by installing VFD's on each blower for better process control. All work would be conducted during the off peak season when Plant # 2 would be off-line.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS732  
Program: Wastewater Collection  
Project Title: CWRf Clarifier Tank Coatings  
Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	700	150	0	0	0	0	850
TOTAL	700	150	0	0	0	0	850

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 10/01/2020	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 400,000	
EQUIPMENT	
MATERIAL 450,000	
LAND	
TOTAL 850,000	

### DESCRIPTION:

The CWRf clarifiers, tanks and the chlorine contact chambers coating system are failing and delaminating exposing the concrete within these structures and causing degradation. Additionally, as the coatings fail, the pieces of the coating system are washed down stream into the tertiary filters causing extensive damage to the filters and can cause filter down time and can lead to the plant being forced to reject its effluent due to tears in the filter media. The repairs have become critical because as monthly cleanings are performed, more and more of the coating systems delaminate and accelerate the need to address the issue. Repairs to the clarifiers and the contact chamber can be done on an individual basis and avoid an impact to the plants operational capabilities when the work is performed.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS880  
Program: Wastewater Collection  
Project Title: Detroit Blvd Force Main  
Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	600	0	0	0	0	0	600
TOTAL	600	0	0	0	0	0	600

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	50,000
SURVEY	20,000
CONSTRUCTION	500,000
EQUIPMENT	
MATERIAL	30,000
LAND	
TOTAL	600,000

MAP

**DESCRIPTION:**

The County is adding paved shoulders, drainage ditches, sidewalks, and resurfacing on Detroit Blvd. from Pine Forest Road to Highway 29. The existing FM in this corridor will require relocation in some places, not to mention ECUA is in the planning stages to either replace or upgrade the same FM. This project would replace the entire force main from L/S # 50 (Detroit Blvd.) to L/S # 10 (Lincoln Park). Approximately 6,200' of the FM replacement would be on Detroit Blvd, with another 3,800' of FM replacement on local streets connecting Detroit Blvd. to L/S # 50, for a total of approximately 10,000'. The FM size has not been determined as of the creation of this data sheet.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS883  
Program: Wastewater Collection  
Project Title: PB WWTP Influent Piping  
Project Manager: R.Dunlap

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	700	350	0	0	0	0	1,050
TOTAL	700	350	0	0	0	0	1,050

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 35,000	
SURVEY	
CONSTRUCTION 1,015,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 1,050,000	

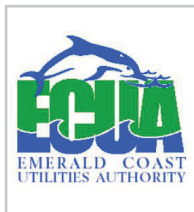
### DESCRIPTION:

This CIP Project was originally created to remove and replace the influent manhole that receives every gallon of wastewater collected on Pensacola Beach. The manhole (hereinafter referred to as MH1) was severely corroded and posed a serious sanitary sewer overflow threat. This project was recently completed in March 2021.

During the excavation of MH1, staff discovered that the effluent line from MH1 to the bar screen is vastly undersized and must be replaced with a line that is equivalent to the 21-inch influent pipe. In addition, there is an abandoned grit chamber downstream of the bar screen that is still utilized as a channel to convey raw wastewater for treatment in Plant 1. The rehabilitation of this grit chamber will also be included in this project.

There is \$325,000 remaining in the current project budget. The cost estimate for engineering design and construction of this additional work is approximately \$575,000, therefore an additional \$250,000 is being requested for fiscal year 2022.





# PROJECT DATA SHEET

## Capital Improvements Program

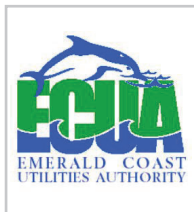
Fiscal Years  
2022-2026

Project no.: RS886  
Program: Wastewater Collection  
Project Title: Government St LS Pump Replacement  
Project Manager: G Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,075	0	100	0	0	0	1,175
TOTAL	1,075	0	100	0	0	0	1,175

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 8/1/2019	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,175,000

DESCRIPTION:
<p>This project is intended to replace the four pumps at Government Street with lower RPM pumps that are more reliable and better capable of meeting all pump conditions. The new pumps will require upgrading the pipe guide rails for installation and removal of the pumps as well as replacement of the riser pipe in each wet well.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS887  
Program: Wastewater Collection  
Project Title: CTM Restoration at Rolling Hills  
Project Manager: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	1,480	0	0	0	1,480
TOTAL	0	0	1,480	0	0	0	1,480

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	210,000
SURVEY	20,000
CONSTRUCTION	1,250,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,480,000

<

### DESCRIPTION:

The April 2014 flood caused the loss of cover soil over the 42-inch diameter ductile iron transmission main in several locations where it runs through the former Rollings Hills Construction and Demolition Debris Landfill. This was primarily caused by stormwater runoff from the adjacent properties. The washout was so extensive in one area that the transmission main was completely exposed for a distance of about 40 feet. Temporary measures were taken to shore up the exposed pipe. The restoration involves bringing in fill to restore the pipe bedding and cover material, drainage improvements to direct future runoff away from the transmission mains, and armoring the embankments for protection of the transmission main and cover soil.

Application has been made to FEMA from financial assistance. If approved, the FEMA reimbursement would be about \$1,100,000, and the ECUA match would be about \$370,000 (25% match).

**WASTEWATER COLLECTION  
RENEWAL & REPLACEMENT  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RS	Sherwood Force Main Rehabilitation	-		-	300	-	-	-		300	300
RS	E. Baars St. Gravity Sewer Replacement	-		-	225	-	-	-		225	225
RS	Miscellaneous Lift Station Abandonment	-		-	250	250	250	250		1,000	1,000
RS	Carriage Hills Sewer System Rehabilitation	-		-	-	500	-	-		500	500
RS	Pine Forest Force Main Upgrade	-		-	-	-	275	-		275	275
RS	Montclair Force Main Upgrade (Main Street Side)	-		-	-	1,600	-	-		1,600	1,600
RS	L/S # 206 (Panferio Dr. ) Replacement	-		-	85	750	-	-		835	835
RS	L/S # 207,209,and 211 Upgrade and Piping Modification	-		-	200	1,000	1,000	-		2,200	2,200
RS	L/S 245, 293 and 219 Abandon-Construct New Lift Station	-		-	-	175	1,275	-		1,450	1,450
RS	W. Roberts Rd. Sewer Exp. and Abandonment of L/S # 371 & 372	-		-	-	-	100	1,000		1,100	1,100
<b>TOTALS</b>		-		-	<b>1,060</b>	<b>4,275</b>	<b>2,900</b>	<b>1,250</b>		<b>9,485</b>	<b>9,485</b>

PRIOR YEARS	-
5 YR PROJECTION	9,485
	<u><b>9,485</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS  
Program: Wastewater Collection  
Project Title: Sherwood Force Main Rehabilitation  
Project Manager: W Gavin

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	300	0	0	0	300
TOTAL	0	0	300	0	0	0	300

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	30,000
SURVEY	7,000
CONSTRUCTION	263,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	300,000

SHERWOOD FORCE  
MAIN REHABILITATION

EXISTING  
SHERWOOD LS #124

FOUNTAIN  
ABBAY ST

LS

MOBILE HWY

W. FAIRFIELD DR.

EMORY DR.

N. 52ND AVE

N. 50TH AVE

LILLIAN HWY

### DESCRIPTION:

The existing 6" c.a. force main leaving lift station #124 in Sherwood Subdivision has deteriorated to the extent that it is difficult to repair. The top half of the force main is very soft. If action is not taken soon, it may result in a major sewer spill on Fairfield Drive. The amount of pipe to be replaced would be approximately 2,100 L.F. The discharge force main is connected to existing gravity sewer on the south side of Fairfield Drive, thus one major roadway crossing would be required. Removal of the c.a. pipe may be mandatory.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS

Program: Wastewater Collection

Project Title: E. Baars St. Gravity Sewer  
Replacement

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT				225			225
TOTAL				225			225

ESTIMATED PROJECT COSTS		MAP
1/16/2016		
ENV. ASSESS		
ENGINEERING	20,000	
SURVEY	5,000	
INSPECTION		
TESTING	-	
CONSTRUCTION	200,000	
EQUIPMENT		
MATERIAL		
FURNISHING	-	
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$225,000	

DESCRIPTION:
<p>Replace approximately 470 L. F. of 6-inch vitrified clay sewer line on Baars St. from 7th Avenue to 9th Avenue. This is a 6-inch vitrified clay gravity sewer pipe over 50 years old which has deteriorated and is in need of replacement. There have been multiple incidents of pipe failures and associated overflows and backups into businesses and residences.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS

Program: Wastewater Collection

Project Title: Miscellaneous Lift Station

Abandonment

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT			250	250	250	250	1,000
TOTAL	-	-	250	250	250	250	1,000

ESTIMATED PROJECT COSTS	MAP
2/12/2016	
ENV. ASSESS	
ENGINEERING	
SURVEY	
INSPECTION	
TESTING	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	

VARIOUS LOCATIONS

### DESCRIPTION:

There are a number of lift stations in the ECUA system that either serve a single customer or could possibly be abandoned with the installation of additional gravity sewer pipe. The objective of this project is to locate, evaluate, plan and generate plans that allow ECUA to reduce the number of lift stations currently in operation. In this CIP, work will be performed to locate, evaluate, plan, and generate plans that will allow ECUA to take the following lift stations out of service: The table below is provided to show stations that have been identified for possible abandonment.

L/S NUMBER	L/S NAME	ADDRESS
1	South Palafox	800 S. Palafox
79	La Rua	2015 E. La Rua Street
239	Crown Pointe Phase I	8014 Castle Pointe Way
134	Bridle Trail Estates	7008 Clydesdale Drive
273	Barefoot Estates	6319 Barefoot Blvd.
238	Marcus Point	3430 Marcus Pointe Blvd.
48	Plantation Park	1601 Bradberry Pointe
178	"W" Street Park	906 Industrial Blvd.
44	Autumn Chase	10029 Autumn Lane
267	Sandy Creek	2231 Wyatt Street
71	Scott Street	East End
113	Jackson Square	501 Blanton Court
61	Baywoods # 2	4100 Baywoods Drive
18	B & Gimble	600 B Street
88	Brighton Place	444 W. Roberts Road



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS

Program: Wastewater Collection

Project Title: Carriage Hills Sewer System  
Rehabilitation

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT				500			500
TOTAL				500			500

ESTIMATED PROJECT COSTS		MAP
1/16/2016		
ENV. ASSESS		
ENGINEERING	40,000	
SURVEY	10,000	
INSPECTION		
TESTING	-	
CONSTRUCTION	450,000	
EQUIPMENT		
MATERIAL		
FURNISHING		
LAND		
MISCELLANEOUS		
INDIRECT		
TOTAL	\$500,000	

### DESCRIPTION:

To reduce excessive inflow/infiltration and eliminate potential sewer overflows by the rehabilitation and upgrade on a portion of the existing Carriage Hills gravity sewer system.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS

Program: Wastewater Collection

Project Title: Pine Forest Force Main Upgrade

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT					275		275
TOTAL					275		275

ESTIMATED PROJECT COSTS		MAP
1/30/1998		
ENV. ASSESS	-	
ENGINEERING	25,000	
SURVEY		
INSPECTION	-	
TESTING	-	
CONSTRUCTION	250,000	
EQUIPMENT		
MATERIAL		
FURNISHING	-	
LAND	-	
MISCELLANEOUS		
INDIRECT		
TOTAL	\$275,000	

<p><b>DESCRIPTION:</b></p> <p>The project is related to the Long Leaf Force Main (FM) which will divert flow from Lift Station (L/S) 41 to the Bayou Marcus Water Reclamation Facility Drainage Basin. Currently a 6" FM along Pine Forest collects sewage from several private lift stations and flows to the Long Leaf Lift Station. The proposed project would upgrade the 10,000 L. F. force main to an 8" line and connect with the Long Leaf FM with flow directed west toward Bayou Marcus.</p>
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## PROJECT DATA SHEET

### Capital Improvements Program

Fiscal Years  
2022-2026

PROJECT NO: RS

Program: Wastewater Collection

Project Title: Montclair Force Main Upgrade  
(Main Street Side)

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT				1,600			1,600
TOTAL	-	-	-	1,600	-	-	1,600

ESTIMATED PROJECT COSTS	
2/10/2014	
ENV. ASSESS	
ENGINEERING	150,000
SURVEY	30,000
INSPECTION	30,000
TESTING	-
CONSTRUCTION	1,390,000
EQUIPMENT	
MATERIAL	
FURNISHING	
LAND	
MISCELLANEOUS	
INDIRECT	
TOTAL	\$1,600,000

MAP

#### DESCRIPTION:

The 16" D I P force main coming from Montclair L/S # 9 has developed pin-hole leaks on Massachusetts Avenue. Part of this main has been replaced in the past on Herman St. from Pace Blvd. to "L" St. Even though flow from the lift station can be diverted to the Bayou Marcus WRF via the Montclair L/S diversion project (CS141W), for the foreseeable future this line should be maintained as the primary line. Additional information relative to the existing condition of this force main was gathered as part of the Force Main Evaluation. Based on that information, the force main replacement can be pushed out several years.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS

Program: Wastewater Collection

Project Title: LS#206 (Panfario Dr.) Replacement

Project Manager:: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	85	750	0	0	835
TOTAL	0	0	85	750	0	0	835

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 2/15/2016	
ENV. ASSESSMENT	
ENGINEERING 80,000	
SURVEY 5,000	
CONSTRUCTION 650,000	
EQUIPMENT 100,000	
MATERIAL	
LAND	
TOTAL 835,000	

### DESCRIPTION:

L/S # 206 located adjacent to 343 Panfario Drive, is in poor condition structurally and is in a flood prone location (within 100' of Santa Rosa Sound). Additionally, a concrete block structure is over the existing wet pit/dry pit wet well, thus maintenance (activities) is difficult and dangerous. Work should consist of constructing a new 8' diameter wet well with new pumps, removal rails, safety grates and raised top to minimize flooding from surcharged conditions. An elevated control platform would be required to allow electrical panels to be installed above the 100-year flood elevation and comply with applicable codes.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS  
Program: Wastewater Collection  
Project Title: LS#207, 209, 211 Upgrades  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	200	1,000	1,000	0	2,200
TOTAL	0	0	200	1,000	1,000	0	2,200

ESTIMATED PROJECT COSTS	
Project Start Date: 2/12/2016	
ENV. ASSESSMENT	
ENGINEERING	185,000
SURVEY	15,000
CONSTRUCTION	1,600,000
EQUIPMENT	400,000
MATERIAL	
LAND	
TOTAL	2,200,000

MAP

The map is a hand-drawn sketch of a coastal area. At the bottom, a line represents the 'Gulf Of Mexico'. Above it, a road labeled 'Fort Pickens Rd' runs horizontally. To the left, 'Le Starboard Dr' runs vertically. Further up, 'Le Port Dr' runs vertically. To the right of Le Port Dr, 'Sabine Dr' runs diagonally upwards. 'Siguenza Dr' runs horizontally, connecting Le Port Dr to Sabine Dr. 'Little Sabine Bay' is labeled in the top right corner. Three specific locations are marked with small squares and labeled: 'LS 211' near Le Starboard Dr, 'LS 209' near Sabine Dr, and 'LS 207' near Siguenza Dr.

### DESCRIPTION:

L/S # 211 (west end of Fort Pickens Rd.) and L/S # 209 (Sabine Drive) currently pump through a common 8" force main on Fort Pickens Rd. and discharge into L/S #207 (Sandollar Condos) which repumps the flow to a manhole on Via De Luna Drive. There is an odor problem at L/S # 207 around the Sandollar Condo complex. Each station on Pensacola Beach has operational, safety, code, etc. issues. Approximately 80 L. F. of 6" force main would be required to accommodate flow from Margaritaville development\*. The proposed project would upgrade/improve L/S's 207,209, and 211.

\*Margaritaville is served by a private lift station that currently manifolds into the 8" FM on Fort Pickens Rd. (serving L/S #207, 209, and 211). To leave Margaritaville connected to this 8" FM, pumps are required to be upgraded. Installing a parallel 6" FM for Margaritaville would ensure proper operation of their current pumps.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS  
Program: Wastewater Collection  
Project Title: LS# 245, 293, & 219  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	175	1,275	0	1,450
TOTAL	0	0	0	175	1,275	0	1,450

ESTIMATED PROJECT COSTS	
Project Start Date: 4/24/2012	
ENV. ASSESSMENT	
ENGINEERING	120,000
SURVEY	20,000
CONSTRUCTION	1,035,000
EQUIPMENT	250,000
MATERIAL	
LAND	25,000
TOTAL	1,450,000

MAP

### DESCRIPTION:

On the west side of Pensacola service property/customers located south of Gulf Beach Hwy. and North of Bayou Grande, ECUA has three existing lift stations in flood prone areas and subject to storm damage. A study has been completed that shows that these three stations can be taken out of service with the construction of additional gravity sewer and one new lift station-centrally located. Adjacent to L/S #220 reconstruction project.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RS  
Program: Wastewater Collection  
Project Title: W. Roberts Rd. (LS 371 & 375)  
Project Manager: J Kearley

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	0	0	100	1,000	1,100
TOTAL	0	0	0	0	100	1,000	1,100

ESTIMATED PROJECT COSTS		MAP
Project Start Date: 2/12/2016		
ENV. ASSESSMENT		
ENGINEERING	95,000	
SURVEY	10,000	
CONSTRUCTION	865,000	
EQUIPMENT	130,000	
MATERIAL		
LAND		
TOTAL	1,100,000	

### DESCRIPTION:

The vacant property between Twisted Oak Drive and Millet Circle has recently been obtained by the County for a regional stormwater pond. ECUA has the opportunity to work with the County to construct a new lift station at the west end of the property to abandon L/S # 371 and L/S # 375 with the addition of approximately 6,000 L. F. of gravity sewer pipe, ECUA could provide sewer service to approximately 90 additional property owners.



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# Utility Relocation





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**UTILITY RELOCATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CR014A	Pinestead/Longleaf Utility Relocation Phase I	1,454	-	-	-	-	-	-	1,454
CR014B	Pinestead (Kemp to US 29) Utility Relocation	25	-	-	500	1,000	-	1,500	1,525
CR123	Manhole/Valve Box Adjustments	2,100	-	-	300	300	300	900	3,000
CR123A	Manhole/Valve Box Materials	98	40	50	50	50	50	240	338
CR123E	City of Pensacola Resurfacing Manhole/Valve Box	2,100	-	-	-	-	-	-	2,100
CR302B	Olive Road Phase 2 Analyses	299	-	-	-	-	-	-	299
CR405	General Utility Relocation	3,413	800	800	800	800	800	4,000	7,413
CR411	Burgess/Creighton Utility Relocation	25	-	-	500	-	-	500	525
CR734I	Materials & Supplies Utility Relocation	106	40	40	40	40	40	200	306
<b>TOTALS</b>		<b>9,620</b>	<b>880</b>	<b>890</b>	<b>2,190</b>	<b>2,190</b>	<b>1,190</b>	<b>7,340</b>	<b>16,960</b>

PRIOR YEARS 9,620  
5 YR PROJECTION 7,340  
**16,960**

**UTILITY RELOCATION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CR	I-10/Beulah Interchange Utility Relocation	-	-	750	-	-	-	750	750
CR	I-10/Hwy 29 Interchange Utility Relocation	-	-	500	-	-	-	500	500
<b>TOTALS</b>		<b>-</b>	<b>-</b>	<b>1,250</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,250</b>	<b>1,250</b>

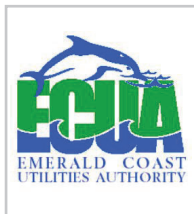
PRIOR YEARS -  
5 YR PROJECTION 1,250  
**1,250**

**UTILITY RELOCATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CR014A	Pinestead/Longleaf Utility Relocation Phase I	1,454	-	-	-	-	-	-	1,454
CR014B	Pinestead (Kemp to US 29) Utility Relocation	25	-	-	500	1,000	-	1,500	1,525
CR123	Manhole/Valve Box Adjustments	2,100	-	-	300	300	300	900	3,000
CR123A	Manhole/Valve Box Materials	98	40	50	50	50	50	240	338
CR123E	City of Pensacola Resurfacing Manhole/Valve Box	2,100	-	-	-	-	-	-	2,100
CR302B	Olive Road Phase 2 Analyses	299	-	-	-	-	-	-	299
CR405	General Utility Relocation	3,413	800	800	800	800	800	4,000	7,413
CR411	Burgess/Creighton Utility Relocation	25	-	-	500	-	-	500	525
CR734I	Materials & Supplies Utility Relocation	106	40	40	40	40	40	200	306
<b>TOTALS</b>		<b>9,620</b>	<b>880</b>	<b>890</b>	<b>2,190</b>	<b>2,190</b>	<b>1,190</b>	<b>7,340</b>	<b>16,960</b>

PRIOR YEARS	9,620
5 YR PROJECTION	7,340
	<u><b>16,960</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR014A  
Program: Utility Relocation  
Project Title: Pinestead/Longleaf UR Phase 1  
Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	1,454	0	0	0	0	0	1,454
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	1,454	0	0	0	0	0	1,454

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	50,000
SURVEY	
CONSTRUCTION	1,404,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,454,000

The map illustrates the proposed utility relocation project area. A central road, Longleaf Dr, runs horizontally. To its left, Pine Forest Rd runs vertically. To its right, Wymart Rd runs vertically. Further to the right, Kemp Rd runs vertically. A north arrow is located in the upper right corner. A callout box labeled 'PINESTEAD/LONGLEAF UTILITY RELOCATION PHASE 1' points to a section of Longleaf Dr. The map shows various utility lines and property boundaries within the project area.

### DESCRIPTION:

Escambia County is planning on 4-laning this west section of the Pinestead/Longleaf corridor (Pine Forest Road to Kemp Road). ECUA will have extensive water and gravity sewer relocation. Baskerville - Donovan Inc. (BDI), County's consulting engineer, will perform ECUA's sewer design through the Task Order that was executed on June 15, 2020 to set up for a future sewer expansion on Community Drive as well as a lift station upgrade at Wymart Road. The County does not have exact timing of when the project will be bid or start, however, 60% plans were pulled off the shelf. ECUA will provide the water relocation design to BDI so the County can incorporate all designs into their roadway plans, and reimburse them for the appropriate relocations.



# PROJECT DATA SHEET

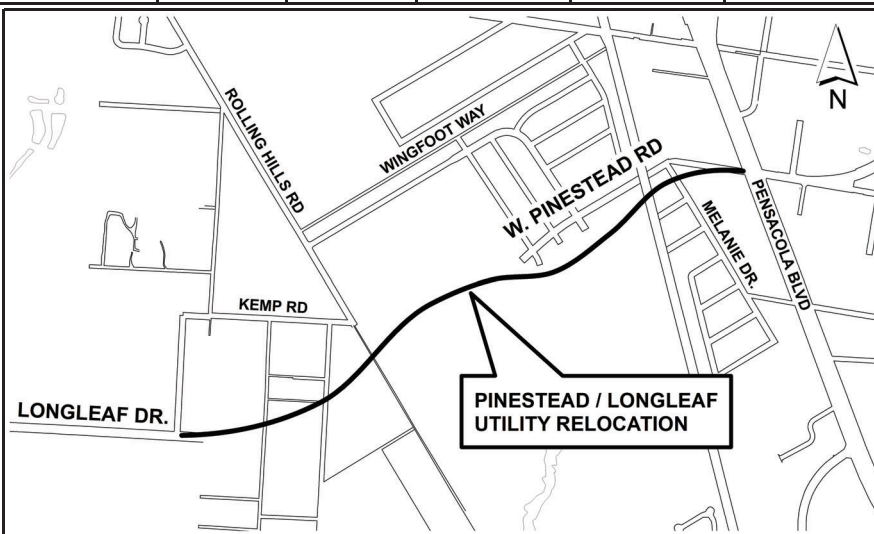
## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR014B  
Program: Utility Relocation  
Project Title: Pinestead/Longleaf UR Phase 2  
Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	25	0	0	500	1,000	0	1,525
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	25	0	0	500	1,000	0	1,525

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	90,000
SURVEY	
CONSTRUCTION	1,435,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,525,000



### DESCRIPTION:

Escambia County is planning on 4-laning this east section of the Pinestead/Longleaf corridor (Kemp Road to Highway 29). ECUA will have extensive utility relocation and possible sewer expansion and possible lift station replacement. The County does not have exact timing of when the project will be bid, start or even constructed. ECUA will request 90% plans from County in order to do our own utility relocation design at which time we will ask the County to incorporate design into their roadway plans, and reimburse them for the appropriate relocations.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CR123

Program: Utility Relocation

Project Title: Manhole/Valve Box Adjustments

Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	2,100	0	0	300	300	300	3,000
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	2,100	0	0	300	300	300	3,000

ESTIMATED PROJECT COSTS	<div>MAP</div> <div>SYSTEM WIDE</div>
Project Start Date: Annual Contracts	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 3,000,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 3,000,000	

<p><b>DESCRIPTION:</b></p> <p>This project is used to fund manhole and valve box adjustments for FDOT, County, and City road resurfacing projects.</p>
--



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: CR123A

Program: Utility Relocation

Project Title: Manhole/Valve Box Materials

Project Manager: B. Knight

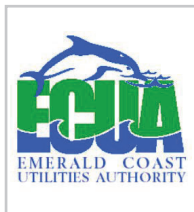
FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	98	40	50	50	50	50	338
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	98	40	50	50	50	50	338

ESTIMATED PROJECT COSTS	<div>MAP</div> <div>SYSTEM WIDE</div>
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION 338,000	
EQUIPMENT _____	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 338,000	

**DESCRIPTION:**

This project funds the purchase of materials for manhole and valve box adjustments for FDOT, County, and City road resurfacing projects.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR302B  
Program: Utility Relocation  
Project Title: Olive Rd. Ph 2 Analyses  
Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	299	0	0	0	0	0	299
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	299	0	0	0	0	0	299

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 299,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 299,000	

### DESCRIPTION:

The County has prepared plans make Olive Road from Davis Highway to Ninth Avenue three lanes. The County has phased the project into two phases. Phase One is from Davis Highway to Yancey Boulevard and Phase Two is from Yancey Boulevard to Ninth Avenue. The ECUA utility relocation for Phase One is completed. Phase Two has been bid and awarded to Panhandle Grading and Paving, Inc. Based on the awarded bid and cost sharing agreement, ECUA will need an additional \$100,000 to reimburse the County.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR405

Program: Utility Relocation

Project Title: General Utility Relocation

Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	3,413	800	800	800	800	800	7,413
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	3,413	800	800	800	800	800	7,413

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	SYSTEM WIDE
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 7,413,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 7,413,000	

DESCRIPTION:
<p>This project is used to fund FDOT, County and City projects where the small utility relocation scope and/or shortened response time doesn't allow for traditional bidding. It would be used to provide utility relocations in a timely manner to help to avoid road contractor delay claims.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR411  
Program: Utility Relocation  
Project Title: Burgess/Creighton UR  
Project Manager: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	25	0	0	500	0	0	525
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	25	0	0	500	0	0	525

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	25,000
SURVEY	
CONSTRUCTION	500,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	525,000

The map displays a street network with a callout box labeled "BURGESS/CREIGHTON UTILITY RELOCATION" pointing to a specific area. Key roads shown include "INTERSTATE 10" at the top, "E BURGESS RD" running horizontally, and "CREIGHTON RD" running vertically on the right. On the left, "N PALM FOX ST" is labeled vertically. A north arrow is located in the top right corner.

### DESCRIPTION:

The FDOT is preparing plans for the 4 lane construction of Burgess and Creighton Road from Highway 29 to Davis Highway. As of February 2020, construction of the project is not in the FDOT 5 year work plan. Initial funds will be used for planning and preliminary engineering. ECUA will monitor the FDOT progress and funding of this project and will update ECUA CIP funding needs accordingly.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR734I

Program: Utility Relocation

Project Title: Materials & Supplies UR

Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	106	40	40	40	40	40	306
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	106	40	40	40	40	40	306

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 306,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 306,000	

### DESCRIPTION:

Provide funding to purchase miscellaneous materials such as valves, insertion valves, fire hydrants, etc. as needed to support various utility relocation efforts when there is no CIP project identified. Project examples include City, County, or FDOT contractors performing minor ECUA relocation work without the need for ECUA reimbursement.(hence no ECUA CIP #).

**UTILITY RELOCATION  
CAPITAL IMPROVEMENT PROJECTS  
PROJECTED FUTURE REQUEST  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CR	I-10/Beulah Interchange Utility Relocation	-		-	750	-	-	-		750	750
CR	I-10/Hwy 29 Interchange Utility Relocation	-		-	500	-	-	-		500	500
<b>TOTALS</b>		-		-	<b>1,250</b>	-	-	-		<b>1,250</b>	<b>1,250</b>

PRIOR YEARS	-
5 YR PROJECTION	1,250
	<u><b>1,250</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR\_\_\_\_\_


Program: Utility Relocation

Project Title: I-10/Beulah Interchange UR

Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	750	0	0	0	750
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	750	0	0	0	750

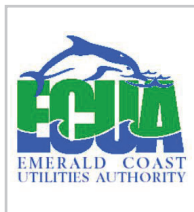
ESTIMATED PROJECT COSTS	
Project Start Date: Not Determined	
ENV. ASSESSMENT	
ENGINEERING	50,000
SURVEY	
CONSTRUCTION	700,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	750,000



The map illustrates a proposed interchange at the intersection of Beulah Road, W. Kingsfield Road, and I-10. Beulah Road runs horizontally across the middle. W. Kingsfield Road runs vertically on the right. I-10 runs diagonally from the bottom right towards the top left. Isaacs Lane is a curved road located south of Beulah Road. A 'Proposed' interchange is shown where Beulah Road crosses over I-10. The map includes various road features like lanes, medians, and surrounding areas with building footprints.

### DESCRIPTION:

FDOT is making plans for a new I-10 interchange near vicinity of Beulah Road. The proposed interchange will not utilize the existing Beulah Rd. overpass, but rather incorporate a new overpass via an extension of Isaac's Lane. It is anticipated the FDOT will pay for ECUA water main and force main relocations along Beulah Road due to Federally funded Interstate Project. ECUA may choose to oversize some of the other relocated mains via what it known as betterment, thereby requiring us to pay the FDOT the difference between costs to relocate existing main sizes versus large main sizes. ECUA may also choose to install a large diameter water main under I-10 at the location of the new overpass, thereby giving ECUA future options to install a new transmission water main and a northern water supply to feed to the Beulah area. The ECUA betterment cost is estimated at \$ 250,000, and the ECUA transmission water main under I-10 is estimated at \$500,000, resulting in a total budget of \$ 750,000. The FDOT will utilize a D/B Contract which is estimated to advertise January 27, 2025. ECUA has an agreement with a private developer (Kaheley Ridge Subdivision) in the amount of \$92,550 to upgrade the existing force main during the relocation project.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CR\_\_\_\_\_

Program: Utility Relocation

Project Title: I-10/Hwy 29 Interchange UR

Project Manager:: B. Knight

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	0	500	0	0	0	500
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	0	0	500	0	0	0	500

ESTIMATED PROJECT COSTS	
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	40,000
SURVEY	
CONSTRUCTION	460,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	500,000

A detailed street map of a section of Pensacola, Florida. The map shows a network of roads including Interstate 10 and its various ramps, as well as major thoroughfares like Pensacola Blvd, N Palafox St, E Olive Rd, and E Hope Dr. Local streets such as Tower Dr, Arbor Ave, W Hope Dr, Charity Dr, Shamrock Dr, Faith Dr, Terry Dr, and Flagler Dr are also depicted. The map is oriented with North at the top.

### DESCRIPTION:

The FDOT is currently under design to realign the I-10 and Highway 29 Interchange. This project will have a new bridge constructed over Highway 29 and the bridge at Palafox. ECUA will need to relocate the water main along Palafox and install a HDD under the I-10 at Palafox. We are also working diligently with the FDOT and HDR to locate and protect the 42" transmission force main to prevent conflict with it. This project's estimated letting date is scheduled for August 30, 2023.

# General Projects





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**GENERAL PROJECT  
CAPITAL IMPROVEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS						FUNDS (000)	
			FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CA001	Oversizing - Water & Sewer Lines	2,139	-	300	300	300	300	1,200	3,339
CA0013	Regional Services Heavy Equipment	-	200	200	200	200	200	1,000	1,000
CA0014	Fuel Storage Tanks	-	400	-	-	-	-	400	400
CA406D	Water System Security	641	-	-	-	-	-	-	641
CA407B	WWTP Security	60	-	-	-	-	-	-	60
CA515	Facility Easement/Access Maintenance	1,416	200	200	200	200	200	1,000	2,416
CA601C	Easement Survey Services	235	-	10	10	10	10	40	275
CA605	I.T. Master Plan	4,865	555	550	350	350	350	2,155	7,020
CA806	Godwin Regional Services Emergency Storage	600	-	250	-	-	-	250	850
CA807	Forest Restoration Plan	57	-	150	25	25	25	225	282
<b>TOTALS</b>		<b>10,013</b>	<b>1,355</b>	<b>1,660</b>	<b>1,085</b>	<b>1,085</b>	<b>1,085</b>	<b>6,270</b>	<b>16,283</b>

PRIOR YEARS 10,013  
5 YR PROJECTION 6,270  
**16,283**

**GENERAL PROJECTS  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS						FUNDS (000)	
			FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RA210C	Facility Energy Analysis	-	1,000	-	-	-	-	1,000	1,000
RA211E	Control Panel /Rtu/Instruments	1,364	250	-	-	-	-	250	1,614
RA709	Ellyson Garage CNG Safety Improvements	798	-	500	-	-	-	500	1,298
RA805	Vehicle R & R Program	7,136	1,984	1,984	1,924	2,083	2,187	10,162	17,298
RA806	Ongoing Pipeline Cleaning (Pigging)	500	-	300	300	300	300	1,200	1,700
<b>TOTALS</b>		<b>9,798</b>	<b>3,234</b>	<b>2,784</b>	<b>2,224</b>	<b>2,383</b>	<b>2,487</b>	<b>13,112</b>	<b>22,910</b>

PRIOR YEARS 9,798  
5 YR PROJECTION 13,112  
**22,910**

**GENERAL PROJECT  
CAPITAL IMPROVEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)									
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CA001	Oversizing - Water & Sewer Lines	2,139	-	300	300	300	300	1,200	3,339
CA0013	Regional Services Heavy Equipment	-	200	200	200	200	200	1,000	1,000
CA0014	Fuel Storage Tanks	-	400	-	-	-	-	400	400
CA406D	Water System Security	641	-	-	-	-	-	-	641
CA407B	WWTP Security	60	-	-	-	-	-	-	60
CA515	Facility Easement/Access Maintenance	1,416	200	200	200	200	200	1,000	2,416
CA601C	Easement Survey Services	235	-	10	10	10	10	40	275
CA605	I.T. Master Plan	4,865	555	550	350	350	350	2,155	7,020
CA806	Godwin Regional Services Emergency Storage	600	-	250	-	-	-	250	850
CA807	Forest Restoration Plan	57	-	150	25	25	25	225	282
TOTALS		10,013	1,355	1,660	1,085	1,085	1,085	6,270	16,283

PRIOR YEARS	10,013
5 YR PROJECTION	6,270
	<u>16,283</u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA001

Program: General Projects

Project Title: Oversizing-Water/Sewer Lines

Project Manager:: S Hayden

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	2,139	0	300	300	300	300	3,339
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	2,139	0	300	300	300	300	3,339

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 3,339,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 3,339,000	

**DESCRIPTION:**

In reviewing developer-sponsored system expansions, there are sometimes circumstances when it is beneficial for ECUA to work with the project developer to install larger or deeper lines than required for the developer's project or make other adjustments consistent with ECUA's long term needs. These funds are needed to fund these types of "oversizing" activities.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA 0013

Program: Utility Relocation

Project Title: Heavy Equipment Purchase & Repla

Project Manager:: R.Dunlap

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	200	200	200	200	200	1,000
OPERATING							
RENEWAL & REPLACEMENT							0
TOTAL	0	200	200	200	200	200	1,000

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 10/1/2021	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	1,000,000
MATERIAL	
LAND	
TOTAL	1,000,000

### DESCRIPTION:

ECUA Regional Services Department maintains over 1,700 miles of water transmission mains and 1,300 miles of wastewater transmission and collection mains throughout the service area. This infrastructure continues to approach the end of its design life and requires constant maintenance and/or replacement. The intent of this CIP project is to establish an annual budget for heavy equipment purchase that will aid in the maintenance and/or replacement of our infrastructure. This funding will allow ECUA to grow increasingly self-sufficient and reduce the rising cost of services provided by outside contractors for labor and equipment.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA 0014

Program: General projects

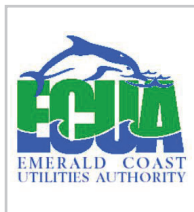
Project Title: Additional Fuel Storage Tanks

Project Manager:: R. Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	0	400	0	0	0	0	400
OPERATING							
RENEWAL & REPLACEMENT							0
TOTAL	0	400	0	0	0	0	400

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	400,000
MATERIAL	
LAND	
TOTAL	400,000

DESCRIPTION:
<p>This project would add an additional 5,000 gallon unleaded gasoline tank at the CWRF and an additional 10,000 gallon diesel fuel tank at the Godwin Lane Facility. This additional fuel storage capacity would help ensure the ECUA has enough fuel available during hurricanes or other events when the fuel supply may be disrupted.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA406D

Program: General Projects

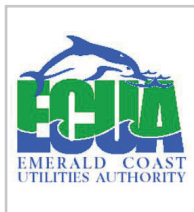
Project Title: Water System Security

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	641	0	0	0	0	0	641
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	641	0	0	0	0	0	641

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 10/31/2014	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 641,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 641,000	

DESCRIPTION:
<p>A security Vulnerability Assessment was recently completed on ECUA's Water Production Facility. The assessment contains additional levels of security to consider at Water Production sites.</p>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: CA407B

Program: General Projects

Project Title: WWTP Security

Project Manager: RS

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	60	0	0	0	0	0	60
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	60	0	0	0	0	0	60

<p><b>ESTIMATED PROJECT COSTS</b></p> <hr/> <p>Project Start Date: _____</p> <p>ENV. ASSESSMENT _____</p> <p>ENGINEERING _____</p> <p>SURVEY _____</p> <p>CONSTRUCTION _____ 60,000</p> <p>EQUIPMENT _____</p> <p>MATERIAL _____</p> <p>LAND _____</p> <p><b>TOTAL</b> _____ 60,000</p>	<p>MAP</p> <p style="text-align: center; font-size: 2em;">SYSTEM WIDE</p>
---	---

**DESCRIPTION:**

The funds will be used to provide upgrades to surveillance monitoring systems for the wastewater treatment plants. They would also be used to fund other security related improvements such as fencing. The upgraded system would be coordinated with the upgrades being done for the water systems.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA515  
 Program: General Projects  
 Project Title: Facility Easement/Access Maint.  
 Project Manager:: R. Dunlap

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	1,416	200	200	200	200	200	2,416
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	1,416	200	200	200	200	200	2,416

ESTIMATED PROJECT COSTS	MAP
Project Start Date: 1/15/14	Various Locations
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 2,416,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 2,416,000	

**DESCRIPTION:**

ECUA has lift stations, manholes, sewer mains, water mains, and other infrastructure that are located in undeveloped areas where access is limited by overgrowth of vegetation or unmaintained access roads. Some of these facilities are located within easements where the rights of access are unclear. This project provides funds to pay for contractors or equipment needed to clear and access areas that have become overgrown with vegetation. It provides funds for the construction and/or maintenance of roads to access these areas. It also provides funds for the review of documents that describe access rights, title searches, surveys, and purchase of property or easements as needed to access active facilities.





# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA601C  
 Program: General Projects  
 Project Title: Easement Survey Services  
 Project Manager: S Hayden

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	235	0	10	10	10	10	275
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	235	0	10	10	10	10	275

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT	
ENGINEERING	
SURVEY 275,000	
CONSTRUCTION	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 275,000	

<b>DESCRIPTION:</b>  When ECUA assumed ownership of water mains, sewer mains, and lift stations from the City of Pensacola and Escambia County, limited information was available to delineate easements. This project is to survey ECUA easements to help identify the boundaries of our property rights to better protect our facilities as needed.
---



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA605

Program: General Projects

Project Title: IT Master Plan

Project Manager:: J. Daane

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	4,865	555	550	350	350	350	7,020
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	4,865	555	550	350	350	350	7,020

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	Map - Not Applicable
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 7,020,000	
MATERIAL	
LAND	
TOTAL 7,020,000	

<p><b>DESCRIPTION:</b></p> <p>PC Replacement Prg (now 6-year cycle) \$185,000  Security/FireEye Replacement \$70,000  Virtualization and Storage Replacement \$250,000  GIS Master Plan \$50,000</p> <p>For years 23 - 26 we need to continue PC replacement and various equipment as it ages.</p>
--



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: CA806

Program: General Projects

Project Title: Godwin Emergency Storage

Fiscal Years: 2022-2026

Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	600	0	250	0	0	0	850
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	600	0	250	0	0	0	600

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 8,500	
SURVEY	
CONSTRUCTION 841,500	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 850,000	

### DESCRIPTION:

The building will have room to store 2 - valve insertion trailers, and accessories, 2 Case backhoes, one double axle trailer and a Mini Excavator (Kubota) with trailer. It will also have room for repair parts for fire hydrants and water meters and other repair parts. The purpose of the pre-engineered metal building is to serve as a garage for equipment and service vehicles and critical inventory. Keeping this equipment from UV exposure and the weather in general will prolong all of the equipment's useful life.

Characteristics for the buildings are:

- \* 75' x 60' with three 12' x 18' roll up doors on the north side and five 12' x 18' roll up doors on the south side and one 3' door on the east side.
- \* 22' clear height to lowest structural member on the east and west faces.
- \* Metal roofing with insulation.
- \* Metal siding on all faces of the building with insulation.
- \* Spread foundations.
- \* Interior slab on grade.
- \* Interior lighting.
- \* Exterior lighting on the face of the building.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CA807  
 Program: General Project  
 Project Title: Forest Restoration  
 Project Manager::

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	57	0	150	25	25	25	282
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	57	0	150	25	25	25	282

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 282,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 282,000	

### DESCRIPTION:

ECUA, working with Southern Forestry Consultants, has prepared a forest restoration and management plan covering the 2185 acres of property purchase in conjunction with the Central Water Reclamation Facility. Yearly operations include planting, harvesting, roller chopping, herbicide application and prescribed burning. The goal is to develop a self-sustaining native forested ecosystem capable of maximizing groundwater recharge capabilities while maximizing revenues over a 40-50 year planning horizon. Financial projections for the next 20 years show anticipated net revenues over expenses of approximately \$420,000.

**GENERAL PROJECTS  
RENEWAL & REPLACEMENT  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

										FUNDS (000)	
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	5 YR TOTAL REQUIREMENT		PROJECT TOTAL	
RA210C	Facility Energy Analysis	-	1,000	-	-	-	-	1,000		1,000	
RA211E	Control Panel /Rtu/Instruments	1,364	250	-	-	-	-	250		1,614	
RA709	Ellyson Garage CNG Safety Improvements	798	-	500	-	-	-	500		1,298	
RA805	Vehicle R & R Program	7,136	1,984	1,984	1,924	2,083	2,187	10,162		17,298	
RA806	Ongoing Pipeline Cleaning (Pigging)	500	-	300	300	300	300	1,200		1,700	
<b>TOTALS</b>		<b>9,798</b>	<b>3,234</b>	<b>2,784</b>	<b>2,224</b>	<b>2,383</b>	<b>2,487</b>	<b>13,112</b>		<b>22,910</b>	

PRIOR YEARS	9,798
5 YR PROJECTION	13,112
	<b>22,910</b>



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RA210C

Program: General Projects

Project Title: Facility Energy Analysis HVAC

Fiscal Years: 2022-2026

Project Manager:: Gerry Piscopo

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	349	1,000	0	0	0	0	1,349
TOTAL	349	1,000	0	0	0	0	1,349

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING 100,000	
SURVEY	
CONSTRUCTION 249,000	
EQUIPMENT 1,000,000	
MATERIAL	
LAND	
TOTAL 1,349,000	

### DESCRIPTION:

Due to recent significant changes in utility rates, especially electrical power, the cost to operate the major building has increased. The availability of more efficient equipment and/or modifications of the control systems offer the opportunity to reduce energy costs, and provide more reliable facilities. The HVAC systems in the Customer Service Building, the Water Quality Laboratory, and the Administration/Operations/Maintenance Building are potential candidates for reducing energy costs. Those where a reasonable payback period can be demonstrated would progress through detailed design, bidding and implementation.

In addition, this project will evaluate the geothermal system and repair or replace the HVAC equipment in the customer service/ Engineering building.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RA211E  
 Program: Wastewater Collection  
 Project Title: Control Panel/RTU/Instruments  
 Project Manager:: Gerry Piscopo

Fiscal Years: 2022-2026

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							0
OPERATING							
RENEWAL & REPLACEMENT	1,364	250	250	200	0	0	2,064
TOTAL	1,364	250	250	200	0	0	2,064

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	2,064,000
MATERIAL	
LAND	
TOTAL	2,064,000

### DESCRIPTION:

The scope for this project involves replacing the electrical panels and original SCADA RTU's at various lift stations and water wells because of deterioration / age and components reaching their end of life. This program is an on-going program to update or replace this key infrastructure as needed and ensure all electrical panels meet current electrical codes and arc flash requirements. This allows for more efficient troubleshooting and repair and reduce the types of spare parts required. The electrical panels are exposed to weather and initially were built for the pumps installed at the time of construction. An average electrical panel will last 10 to 15 years. With over 30 water wells and 390 lift stations in our system we must continually evaluate and upgrade these panels as needed.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RA709

Program: General Projects

Project Title: Ellyson Garage Expansion

Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	798	0	500	0	0	0	1,298
TOTAL	798	0	500	0	0	0	1,298

<b>ESTIMATED PROJECT COSTS</b>	<div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div>
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 1,298,000	
MATERIAL	
LAND	
<b>TOTAL</b> 1,298,000	

<b>DESCRIPTION:</b>	<p>The expansion and updating of Building Code issues at the Ellyson Vehicle Maintenance Garage.</p>
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# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RA805  
 Program: General Projects  
 Project Title: Vehicle R & R Program  
 Project Manager:: R. Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	7,136	1,984	1,984	1,924	2,083	2,187	17,298
TOTAL	7,136	1,984	1,984	1,924	2,083	2,187	17,298

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	Not Applicable
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 17,298,000	
MATERIAL	
LAND	
TOTAL 17,298,000	

**DESCRIPTION:**

This Project provides funding for the renewal and replacement of ECUA fleet vehicles and heavy equipment. An expected life span is assigned to each vehicle when it is purchased, based on the type of service it will provide. This replacement schedule was originally developed as a straight projection of the expected life span, using 5% increase in the cost of new vehicles each year. The ECUA replaces equipment based upon condition, annual costs of repairs and expectancy.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RA806

Program: General Projects

Project Title: Ongoing Pipeline Cleaning

Project Manager:: S Hayden

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	500	0	300	300	300	300	1,700
TOTAL	500	0	300	300	300	300	1,700

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	System Wide
ENV. ASSESSMENT 0	
ENGINEERING 0	
SURVEY 0	
CONSTRUCTION 1,700,000	
EQUIPMENT 0	
MATERIAL 0	
LAND 0	
TOTAL 1,700,000	

DESCRIPTION:
<p>This project is for ongoing pipeline cleaning for both potable water and wastewater (force main) pipelines. Pipelines to be cleaned will be prioritized by Engineering and Regional Services personnel to address water quality or pressure issues and will be cleaned as funds are available.</p>

# Sanitation





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**SUMMARY BY TYPE**  
**SANITATION SYSTEM AND MATERIAL RECYCLING**  
**FISCAL YEARS 2022-2026**  
(in 000's)

<b>Funds Description</b>	<b>PRIOR YEARS</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>		<b>5 YR TOTAL REQUIREMENT</b>		<b>PROJECT TOTAL</b>
<b>Containers</b>	2,109		350	350	600	800	850		2,950		5,059
<b>Transfer Stations</b>	500		500	500	1,700	3,000	100		5,800		6,300
<b>Vehicles</b>	11,246		900	900	3,700	3,700	3,700		12,900		24,146
<b>CNG Parking Area</b>	-		75	-	-	-	-		75		75
<b>Godwin Warehouse</b>	-		-	1,200	-	-	-		1,200		1,200
<b>Composting Equipment</b>	777		250	250	250	250	250		1,250		2,027
<b>Storage Modifications</b>	473		300	300	300	-	-		900		1,373
<b>MRF Equipment Upgrade</b>	484		2,908	100	400	400	400		4,208		4,692
<b>Total All Programs</b>	<b>\$ 15,589</b>		<b>\$ 5,283</b>	<b>\$ 3,600</b>	<b>\$ 6,950</b>	<b>\$ 8,150</b>	<b>\$ 5,300</b>		<b>\$ 29,283</b>		<b>\$ 44,872</b>

**SANITATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CT0001	Sanitation Transfer Station	500		500	500	1,700	3,000	100		5,800	6,300
CT503V	Add'l Containers Commercial Customers	844		300	300	300	300	300		1,500	2,344
<b>TOTALS</b>		<b>1,344</b>		<b>800</b>	<b>800</b>	<b>2,000</b>	<b>3,300</b>	<b>400</b>		<b>7,300</b>	<b>8,644</b>

PRIOR YEARS 1,344  
5 YR PROJECTION 7,300  
8,644

**SANITATION  
RENEWAL & REPLACEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
RT400	Annual Residential Vehicle Replacement Program	10,483		500	500	3,300	3,300	3,300		10,900	21,383
RT803	Annual Commercial Vehicle Replacement Program	763		400	400	400	400	400		2,000	2,763
RT804	Annual Composting Equipment Replacement Program	777		250	250	250	250	250		1,250	2,027
RT901	Expand CNG Parking Area	-		75	-	-	-	-		75	75
RT902	Add'l Containers Residential	1,265		50	50	300	500	550		1,450	2,715
RT	Godwin Parts & Tire Warehouse	-		-	1,200					1,200	1,200
<b>TOTALS</b>		<b>13,288</b>		<b>1,275</b>	<b>2,400</b>	<b>4,250</b>	<b>4,450</b>	<b>4,500</b>		<b>16,875</b>	<b>30,163</b>

PRIOR YEARS 13,288  
5 YR PROJECTION 16,875  
30,163

**SANITATION  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)											
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT	PROJECT TOTAL
CT0001	Sanitation Transfer Station	500		500	500	1,700	3000	100		5,800	6,300
CT503V	Add'l Containers Commercial Customers	844		300	300	300	300	300		1,500	2,344
<b>TOTALS</b>		<b>1,344</b>		<b>800</b>	<b>800</b>	<b>2,000</b>	<b>3,300</b>	<b>400</b>		<b>7,300</b>	<b>8,644</b>

PRIOR YEARS	1,344
5 YR PROJECTION	7,300
	<u><b>8,644</b></u>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CT0001

Program: Sanitation

Project Title: Sanitation Transfer Station

Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	500	500	500	1,700	3,000	100	6,300
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	500	500	500	1,700	3,000	100	6,300

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 6,300,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 6,300,000	

DESCRIPTION:
To set aside funds in order to design, construct and equip a transfer station at the Godwin Lane Facility.





**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: CT503V

Program: Sanitation

Project Title: Add'l Containers Commercial

Project Manager: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	844	300	300	300	300	300	2,344
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	844	300	300	300	300	300	2,344

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT 2,344,000	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 2,344,000	

**DESCRIPTION:**

To provide front-load dumpsters and roll off containers for new commercial customers and replacement of existing dumpsters.

**SANITATION  
RENEWAL & REPLACEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

FUNDS (000)										
PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT
RT400	Annual Residential Vehicle Replacement Program	10,483		500	500	3,300	3,300	3,300		10,900
RT803	Annual Commercial Vehicle Replacement Program	763		400	400	400	400	400		2,000
RT804	Annual Composting Equipment Replacement Program	777		250	250	250	250	250		1,250
RT901	Expand CNG Parking Area	0		75						75
RT902	Add'l Containers Residential	1,265		50	50	300	500	550		1,450
RT	Godwin Parts & Tire Warehouse	0		0	1,200	0	0	0		1,200
<b>TOTALS</b>		<b>13,288</b>		<b>1,275</b>	<b>2,400</b>	<b>4,250</b>	<b>4,450</b>	<b>4,500</b>		<b>16,875</b>
										<b>30,163</b>

PRIOR YEARS	13,288
5 YR PROJECTION	16,875
	<u>30,163</u>



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RT400

Program: Sanitation

Project Title: Annual Res Veh Replcmnt Prgrm

Project Manager: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	10,483	500	500	3,300	3,300	3,300	21,383
<b>TOTAL</b>	10,483	500	500	3,300	3,300	3,300	21,383

<b>ESTIMATED PROJECT COSTS</b>	<div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div> <div style="border: 1px solid black; height: 200px; margin-bottom: 5px;"></div>
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT 21,383,000	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 21,383,000	

**DESCRIPTION:**

To set aside funds in order to purchase new residential collection vehicles as needed.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
**2022-2026**

Project no.: RT803  
 Program: Sanitation  
 Project Title: Annual Commercial Veh Replacmnt  
 Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	763	400	400	400	400	400	2,763
TOTAL	763	400	400	400	400	400	2,763

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	2,763,000
MATERIAL	
LAND	
TOTAL	2,763,000

**DESCRIPTION:**

To establish and maintain a capital replacement fund for vehicles used in commercial collection operations.



**PROJECT DATA SHEET**  
**Capital Improvements Program**  
 Fiscal Years  
**2022-2026**

Project no.: RT804  
 Program: Sanitation  
 Project Title: Annual Compost Equip Repl Prgm  
 Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	777	250	250	250	250	250	2,027
TOTAL	777	250	250	250	250	250	2,027

ESTIMATED PROJECT COSTS	Not Applicable
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 2,027,000	
MATERIAL	
LAND	
TOTAL 2,027,000	

**DESCRIPTION:**

To establish and maintain a capital replacement fund for equipment used in composting operations.

To set aside funds in order to purchase replacement grinders, screens, windrow turners and wheel loaders as needed.



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: RT901

Program: Sanitation

Project Title: Expand CNG Parking Area

Fiscal Years: 2022-2026

Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT		75					75
TOTAL	0	75	0	0	0	0	75

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION 75,000	
EQUIPMENT	
MATERIAL	
LAND	
TOTAL 75,000	

### DESCRIPTION:

To set aside funds in order to pave a dirt road and any required drainage work required being for road used by Sanitation collection trucks to enter the CNG parking area off of Pine Forest Road. This area was not paved as part of the original CNG station construction, however, with the change in traffic flow and now that sanitation trucks are using the entrance off of Pine Forest Road to access the parking area, this dirt road is experiencing heavy usage. This is causing large holes and dirt washing into the paved parking area and storm water system.



**PROJECT DATA SHEET**

**Capital Improvements Program**

Fiscal Years  
**2022-2026**

Project no.: RT902

Program: Sanitation

Project Title: Add'l Containers Residential

Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	1,265	50	50	300	500	550	2,715
<b>TOTAL</b>	1,265	50	50	300	500	550	2,715

ESTIMATED PROJECT COSTS	MAP
Project Start Date: _____	
ENV. ASSESSMENT _____	
ENGINEERING _____	
SURVEY _____	
CONSTRUCTION _____	
EQUIPMENT 2,715,000	
MATERIAL _____	
LAND _____	
<b>TOTAL</b> 2,715,000	

**DESCRIPTION:**

To set aside funds in order to purchase new residential containers as needed due to customer growth and/or to replace containers that are no longer under warranty and are damaged beyond reasonable repair.

To establish and maintain a capital replacement fund for residential containers.

This capital reserve project will provide the necessary funding to purchase containers for new customers and replacement of containers that are beyond the warranty period for new and existing customers of the residential collection and recycling systems.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RT

Program: Sanitation

Project Title: Godwin Parts & Tire Warehouse

Project Manager:: R. Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	0	0	1,200	0	0	0	1,200
TOTAL	0	0	1,200	0	0	0	1,200

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	1,200,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,200,000

### DESCRIPTION:

This project would demolish and replace a 1960's era steel warehouse building which has multiple leaks, termite damage and mold issues, with a new steel warehouse building on the existing site. This building is used for parts and tire storage and tire repairs.



# Materials Recycling





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**MATERIALS RECYCLING FACILITY  
CAPITAL IMPROVEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT		PROJECT TOTAL
CT0003	Robotic Sorter	284		2808	0	0	0	0		2,808		3,092
CT804	Storage Modifications	473		300	300	300	0	0		900		1,373
<b>TOTALS</b>		<b>757</b>		<b>3,108</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>		<b>3,708</b>		<b>4,465</b>

PRIOR YEARS 757  
5 YR PROJECTION 3,708  
4,465

**MATERIALS RECYCLING FACILITY  
RENEWAL & REPLACEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT		PROJECT TOTAL
RT0001	Annual MRF Equipment Upgrade	200		100	100	400	400	400		1,400		1,600
<b>TOTALS</b>		<b>200</b>		<b>100</b>	<b>100</b>	<b>400</b>	<b>400</b>	<b>400</b>		<b>1,400</b>		<b>1,600</b>

PRIOR YEARS 200  
5 YR PROJECTION 1,400  
1,600

**CAPITAL IMPROVEMENT PROJECTS**  
**ACTIVE & APPROVED**  
**FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT		PROJECT TOTAL
CT0003	Robotic Sorter	284		2808	0	0	0	0		2,808		3,092
CT804	Storage Modifications	473		300	300	300	0	0		900		1,373
<b>TOTALS</b>		<b>757</b>		<b>3,108</b>	<b>300</b>	<b>300</b>	<b>0</b>	<b>0</b>		<b>3,708</b>		<b>4,465</b>

PRIOR YEARS	757
5 YR PROJECTION	3,708
	<b>4,465</b>



# PROJECT DATA SHEET

## Capital Improvements Program

Project no.: CT0003

Program: MRF

Project Title: Robotic Sorter

Fiscal Years: 2022-2026

Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	284	2,808	0	0	0	0	3,092
OPERATING							
RENEWAL & REPLACEMENT							
TOTAL	284	2,808	0	0	0	0	3,092

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT 3,092,000	
MATERIAL	
LAND	
TOTAL 3,092,000	

### DESCRIPTION:

When the ECUA MRF was designed in 2016 robotic sorters were not in widespread use and most MRF were utilizing human sorters for this function. The equipment selected for the ECUA MRF required 24 human sorters to fully staff the sorting equipment. In March 2020 the ECUA MRF installed it's first robotic sorter which was provided by AMP Robotics and replaced three human sorters. This unit has performed very well with minimal downtime and performance and accuracy which exceeds that of human sorters. Due to the tight labor market the ECUA has had difficulty obtaining the required 20 day labors needed to fully staff the sorting equipment on a daily basis. Therefore, staff obtained a quote from AMP Robotics to provide eight additional sorting robots. This project would fund the purchase and installation of eight additional robots which would replace ten human sorters reducing the need for human sorters to ten. These robots will also be more accurate and produce a higher quality bale of recyclables.



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: CT804

Program: MRF

Project Title: MRF Storage Modifications

Project Manager:: R.Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2024	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP	473	300	300	300	0	0	1,373
OPERATING							
RENEWAL & REPLACEMENT							0
TOTAL	473	300	300	300	0	0	1,373

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	1,373,000
EQUIPMENT	
MATERIAL	
LAND	
TOTAL	1,373,000

### DESCRIPTION:

To set aside funds in order to construct new loading docks and storage capacity at the MRF.

To design and construct two additional permanent loading docks and covered storage at the MRF.

This project will provide funding to design and construct two additional concrete loading docks and covered storage for baked recyclables. Currently the MRF has one permanent loading dock and one portable loading dock. This limits the MRF's ability to load outbound semi-trailer to approximately 10 per day. The additional permanent loading docks are projected to increase loading capacity of approximately 24 semi-trailers a day, which will expedite shipment of recyclables from the MRF.

**MATERIALS RECYCLING FACILITY  
RENEWAL & REPLACEMENT PROJECTS  
ACTIVE & APPROVED  
FISCAL YEARS 2022-2026**

PROJECT NUMBER	PROJECT TITLE	PRIOR YEARS		FY 2022	FY 2023	FY 2024	FY 2025	FY 2026		5 YR TOTAL REQUIREMENT		PROJECT TOTAL
RT0001	Annual MRF Equipment Upgrade	200		100	100	400	400	400		1,400		<b>1,600</b>
<b>TOTALS</b>		<b>200</b>		<b>100</b>	<b>100</b>	<b>400</b>	<b>400</b>	<b>400</b>		<b>1,400</b>		<b>1,600</b>

PRIOR YEARS	200
5 YR PROJECTION	1,400
	<b>1,600</b>



# PROJECT DATA SHEET

## Capital Improvements Program

Fiscal Years  
2022-2026

Project no.: RT0001

Program: MRF

Project Title: Annual MRF Equip. & Upgrades

Project Manager:: R. Rudd

FUNDS (000)	PRIOR YEARS	FISCAL YEAR 2022	FISCAL YEAR 2023	FISCAL YEAR 2023	FISCAL YEAR 2025	FISCAL YEAR 2026	PROJECT TOTAL
CIP							
OPERATING							
RENEWAL & REPLACEMENT	200	100	100	400	400	400	1,600
TOTAL	200	100	100	400	400	400	1,600

ESTIMATED PROJECT COSTS	MAP
Project Start Date:	
ENV. ASSESSMENT	
ENGINEERING	
SURVEY	
CONSTRUCTION	
EQUIPMENT	1,600,000
MATERIAL	
LAND	
TOTAL	1,600,000

**DESCRIPTION:**

To provide funding for replacement or upgrades to sorting and rolling stock equipment at the MRF.

This project will establish a funding source for replacement and or upgrades of sorting and rolling stock as the facility ages.