



CITY OF

ST AUGUSTINE
EST. 1565

City Commission

Public Works & Utilities Quarterly Update

October 25, 2021

Todd J. Grant, P.G.

Director, Utilities

Reuben C. Franklin, Jr., P.E.

Director, Public Works





Public Works & Utilities CIP Agenda

- ❖ **FEMA 13 Lift Station Rehabilitation Project**
- ❖ **West Augustine Gravity Sewer Improvements**
- ❖ **Sustainability and Environmental Updates**
- ❖ **Capital Projects Overview and Status**

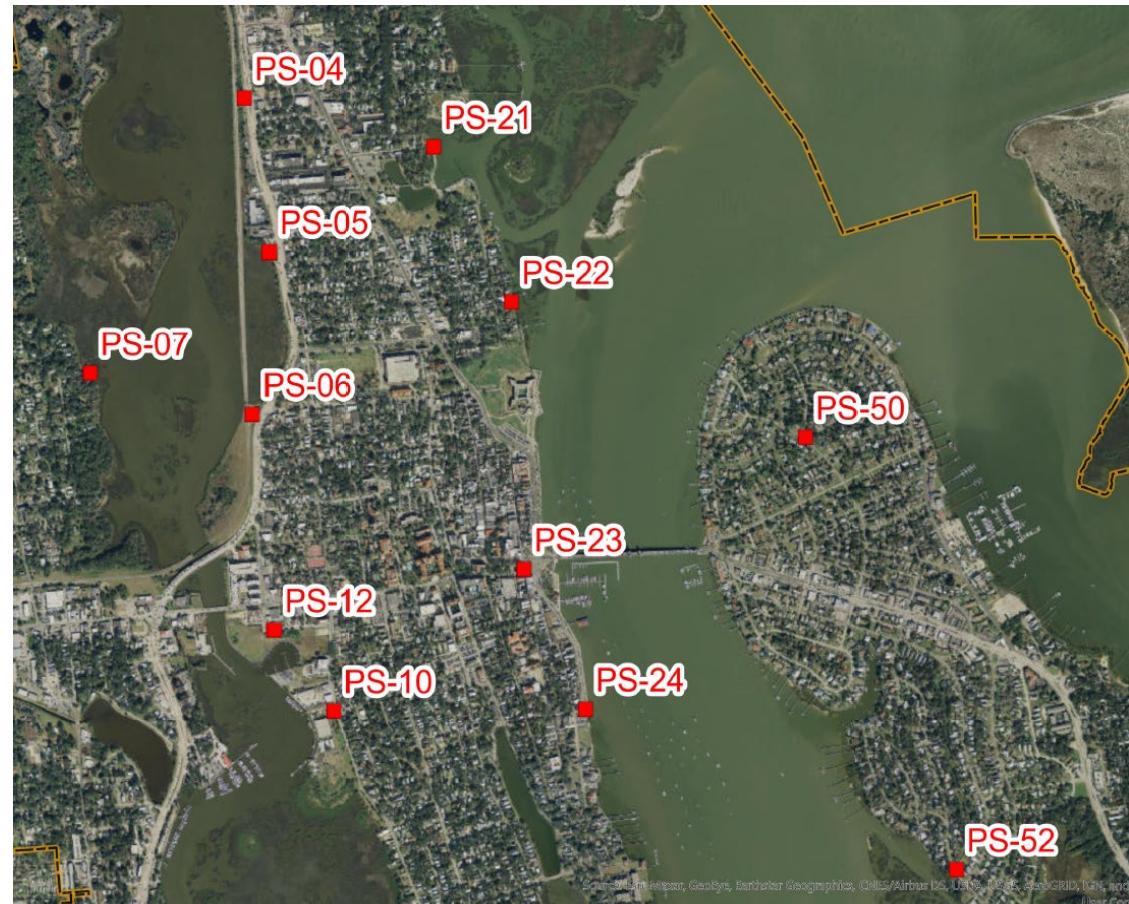


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FEMA 13 LIFT STATIONS REHABILITATION

- ❖ Construction Cost \$13.8M
- ❖ Start Construction Jan 2021
- ❖ Finish Construction Feb 2023

- ❖ Substantially Complete:
 - ❖ LS-23, LS-5
- ❖ Under construction
 - ❖ 4, 6, 21, 22, 24,
- ❖ Arricola Ave. Force Main
 - ❖ Summer 2022





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West Augustine Gravity Sewer Improvements

West Augustine Sewer Master Plan

- ❖ Design underway

West 3rd Street Sewer Extension – Volusia to Duval

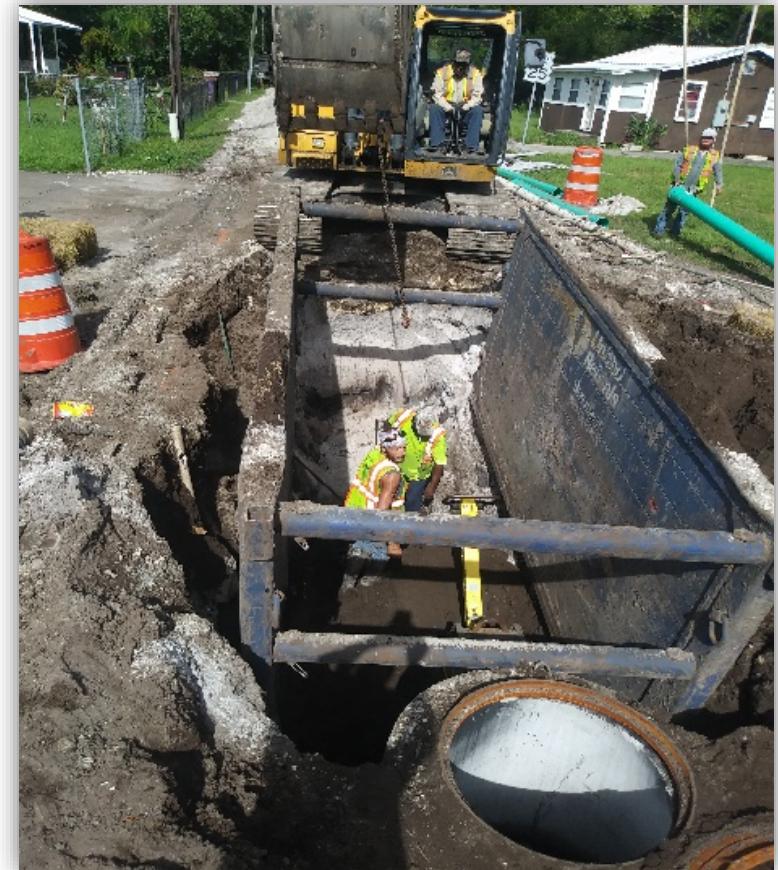
- ❖ Eliminates 20 Residential Septic Tanks

Septic-to-Sewer Program

- ❖ Proposal received for pkg 5, 7 connections
- ❖ Abandoned 57 septic systems to date

Pearl Street Gravity Sewer - Design

- ❖ Expanding gravity sewer from existing lift station

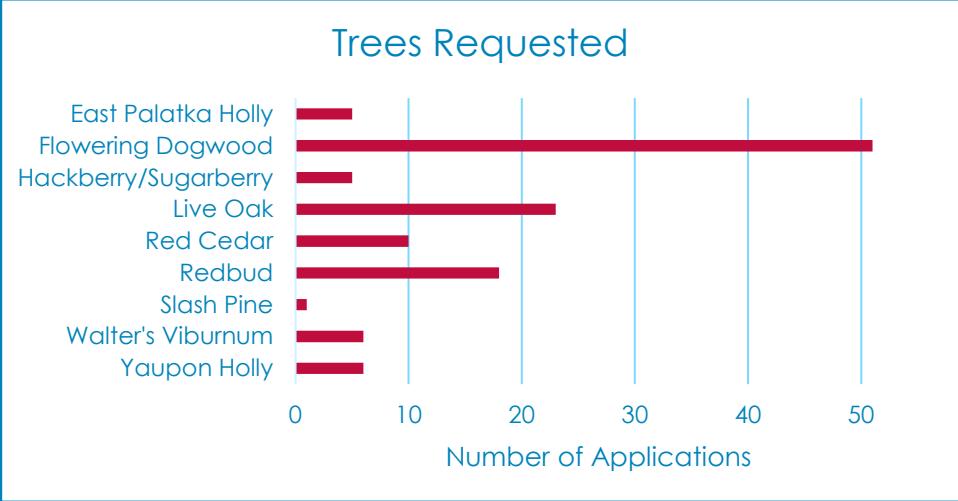




Sustainability Updates

❖ Tree Canopy Enhancement Program

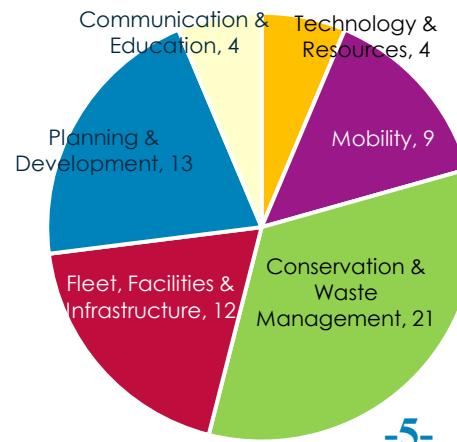
- ❖ 125 applications from residents within City limits
- ❖ Site assessments in progress
- ❖ Next step: final application review/selection



❖ Internal Sustainability Team

- ❖ 5 program area meetings held this quarter

Current Projects & Initiatives



❖ Upcoming Projects & Initiatives

- ❖ Residential compost bins
- ❖ ecoSTA green business recognition program



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Environmental Programs Updates

❖ Fats, Oils & Grease Program

- ❖ 143 inspections completed this quarter
- ❖ 34 facilities out of compliance

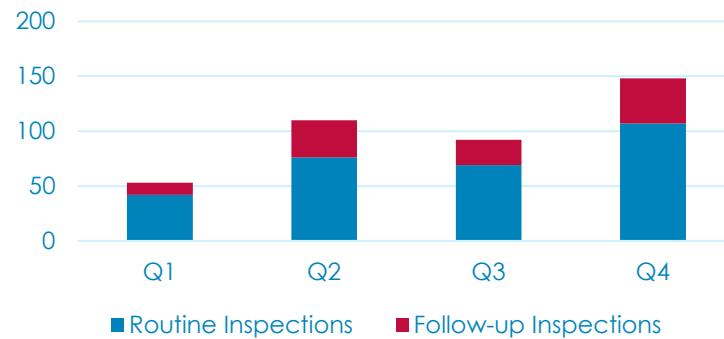
❖ Industrial Pretreatment Program

- ❖ Annual inspections & sampling completed at 2 industrial permittees

❖ Cross-Connection Control Program

- ❖ 330 backflow testing notices sent to customers
- ❖ Received > 500 test reports

Fats, Oils & Grease Program Inspections Completed



❖ Illicit Discharge Detection & Elimination Program

- ❖ Monthly & annual pollution prevention inspections completed at fleet & marina
- ❖ Approx. 100 proactive illicit discharge inspections completed

CIP Overall Status Summary

Capital Improvement Projects – Through October 25, 2021

Project Scope Development	Conceptual Analysis & Studies	Preliminary Design	Final Design	Bidding Construction Contract	Construction Phase	Substantial Completion	Final Completion
Parking Pay Station Flood Proofing	St. Francis Street Utility Improvements	Lake Maria Sanchez Flood Mitigation	Sevilla St Roadway & Utility Improvements	City Marina Crosswalk* S. Whitney & W. King Flood Mitigation ⁽¹⁾	S. Orange Street Utility Adjustments (SJC)	Avenue D Utility Adjustments (SJC)	South Davis Shores Resiliency Master Plan
South Tank Potable Water Fill Line	San Sebastian WM HDD King Street	Avenida Menendez Seawall (HMGP) ⁽¹⁾	Duero & Cerro Utility and Storm Improvement	WWTP Headworks Rehabilitation	I&I Gravity and Lateral Cleaning, Inspection and Rehabilitation	Lift Station 23 (in the Plaza – FEMA 13)	WWTP Motor Control Center Replacement
SCADA Master Plan	SB 64 Plan	City-wide TIDE Valve Master Planning	King Street Drainage (FDOT)	I&I Clean & Inspect Sanitary – 10 Basins	Automatic Meter Reading Phase 4	Lift Station 5 (FEMA 13)	I&I Clean and CCTV Sanitary Sewer Basins 1,14,49,53,54
Pearl Street FM Improvements	Lift Station 14 Replacement	W Augustine Gravity Sewer Master Plan	S. Holmes Utility Adjustments (SJC)	RO Concentrate Discharge	I&I Smoke Testing Sanitary – 16 Basins		I&I Clean and CCTV Sanitary Sewer Basins 30, 35, 43, 57, 58
I&I Prioritize Sanitary Sewer R&R Projects	Lift Station 8 Replacement	Inlet Drive Shoreline Restoration*	N. Rodriguez Street Utility Adj (SJC)	West Augustine Septic to Sewer Connections	Hurricane Matthew FEMA 13 Lift Station Rehabilitation		2021 Paving Program
	Lift Station 41 Replacement	West 3 rd Street Gravity Sewer Improvements	Downtown Improvement District Phase 2	I&I Manhole Inspections for Basins 16, 17 & 20	I&I Sanitary Manhole Rehab Basin 52		
	Stormwater Master Plan Update Phase 2	Santa Rosa Utility Adjustments (SJC)	Oyster Creek Force Main HDD (FDOT)		S. Orange Street Utility Adjustments (SJC)		
	Clean Water SRF Facilities Plan	SR 312 from 207 to Holmes Util Adj (FDOT)	I&I Sanitary Sewer Main & Lateral Rehab FY 2022		Arricola Ave Force Main HDD Improvements		
		Stormwater CIPP Lining for Valves					
		Pearl Street Gravity Sewer					

Key:

- ⁽¹⁾ Grant Dependent
- ⁽²⁾ Developer Dependent
- ^(*) Postponed
- ^(**) Phase Complete

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	San Sebastian WM HDD King Street	Avenida Menendez Seawall (HMGP) ⁽¹⁾	Duero & Cerro Utility and Storm Improvement	S. Whitney & W. King Flood Mitigation ⁽¹⁾	I&I Gravity and Lateral Cleaning, Inspection and Rehabilitation	Lift Station 23(FEMA 13)	WWTP Motor Control Center Replacement
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- (*) Postponed
- (**) Phase Complete
- Utilizing FY22 Funds**
- Requiring Loans or Grants FY22**



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Additional Questions and Commission Discussion