



CITY OF
ST AUGUSTINE
— EST. 1565 —

City Commission

Public Works & Utilities

Quarterly Update

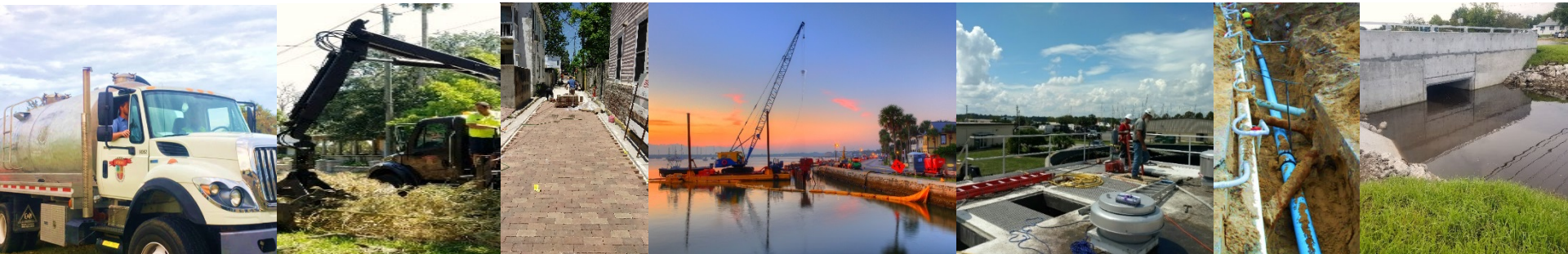
October 25, 2021

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**

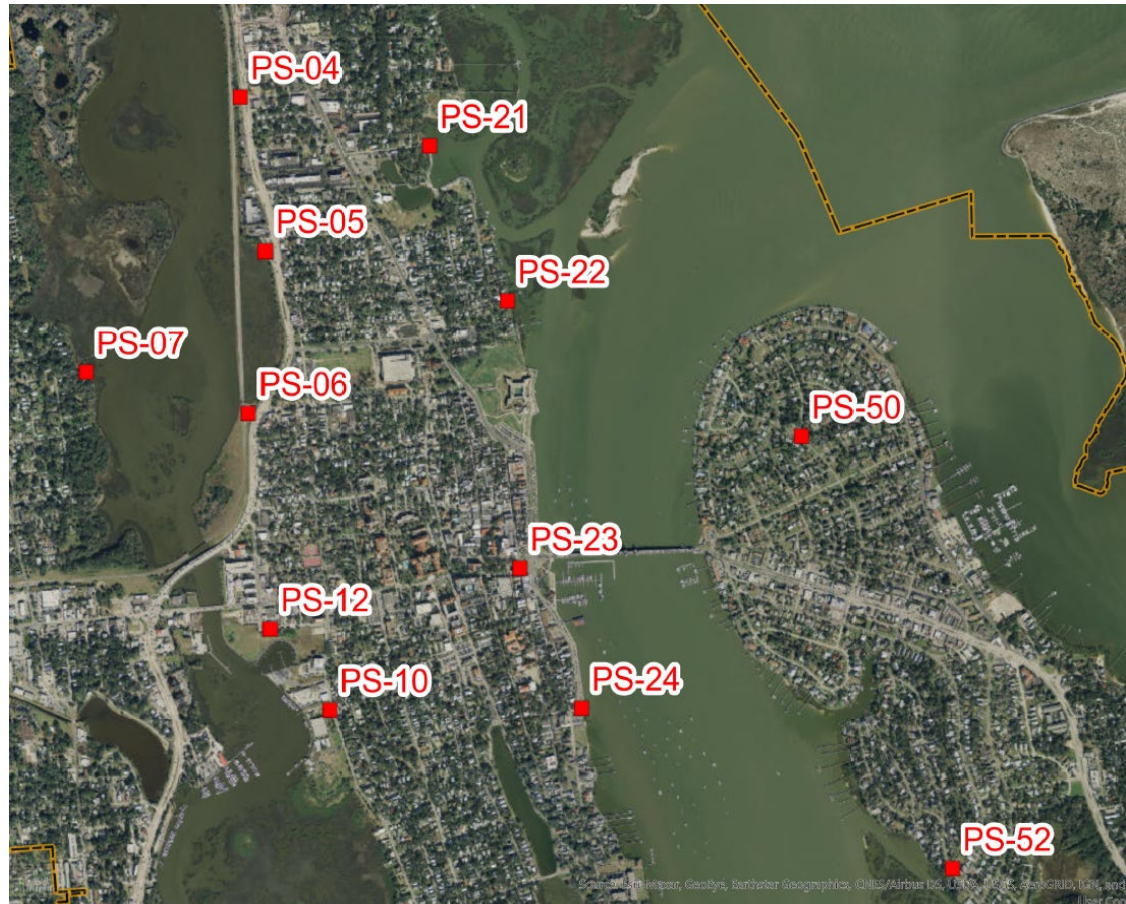


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FEMA 13 LIFT STATIONS REHABILITATION

- ❖ 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





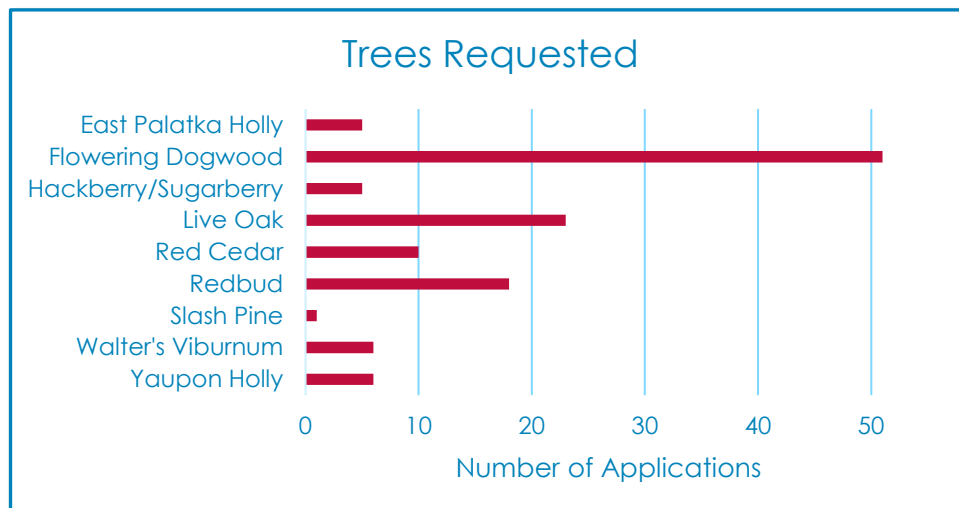
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Sustainability Updates

❖ Tree Canopy Enhancement Program

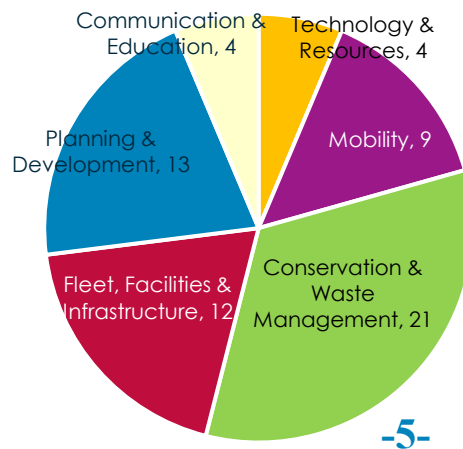
- ❖ 125 applications from residents within City limits
- ❖ Site assessments in progress
- ❖ Next step: final application review/selection



❖ Internal Sustainability Team

- ❖ 5 program area meetings held this quarter

Current Projects & Initiatives



❖ Upcoming Projects & Initiatives

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

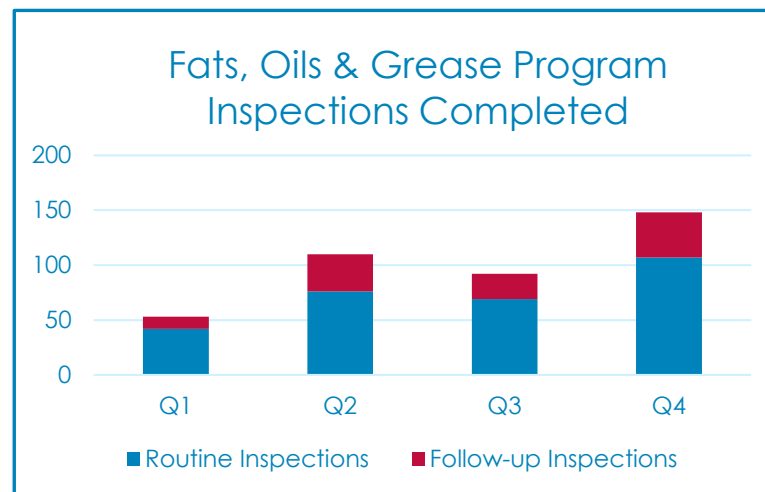


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Environmental Programs Updates

❖ 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

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

Key:

⁽¹⁾ Grant Dependent

⁽²⁾ Developer Dependent

^(*) Postponed

^(**) Phase Complete

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Utilizing FY22 Funds

Requiring Loans or Grants FY22



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Additional Questions and Commission Discussion