

# **Public Works**

## **Monthly Executive Summary**

### **July 2025**



#### **Street and Stormwater Departments**

During the month of July, The Street Department has been busy throughout the city repairing potholes and sinkholes throughout Cove Life. We had 5.61 inches of rain this month. Additional activities included:

- 4 silt fence inspections
- Cleaning of storm drains City Wide.
- Cleaned city ditches and ponds.
- Stormwater Improvements at Green and North- City crews completed
- VFH Park completed playground Improvements. – City crews completed this project.
- VFH Park completed improvements to Amphitheatre.
- Set up for traffic control for Food Truck Friday and provided trash removal and restroom cleaning Friday, July 4<sup>th</sup>.
- Set up for traffic control for Third Saturday Market in the Park, July 19<sup>th</sup>.
- Street Department assisted Sanitation with trash removal.

The Street Department completed **37** additional work orders that pertained to street and stormwater issues.

#### **Parks and ROW Departments**

During the month of July the Parks Department mowed, trimmed, and edged all areas one time including the DOT rights-of-way, City Parks, and FCT property. Additional activities included:

- Clean storms drain City Wide
- Maintained DOT ROW's and City rights-of-way.
- Prepared City Hall for Third Saturday Market in the Park, July 19<sup>th</sup>.
- Prepared our Spring Park for Food Truck Friday, July 4<sup>th</sup>.

The Parks Department completed **2** additional work orders outside of their normal daily work schedules.

#### **Equipment Maintenance**

The Equipment Maintenance Shop, as always, works hard to keep the equipment and vehicles going so the city can continue to provide our citizens with the exceptional service they are accustomed to. During the month of July, Tony and John completed **96** work orders.

#### **Tradesworker**

During the month of July, **36** work orders were completed.

## **Solid Waste Department**

Cove Life, Litter Cleanup Program & New Services:

- Picked up everything around the rollout cans.
- Pick up as much loose trash, palm fronds, and stick as much as possible on the streets, along the R.O.W. and ditches regardless of if it is near a container or not.
- 5 trash cans and 1 recycle bin delivered to new customers.
- Delivered 0 recycling bin to current customers.
- Repaired 15 trash cans.
- Replaced 40 trash cans.

This month, **July 2025**, the city collected:

- **387.51** tons of Class I garbage (17% increase)
- **1.06** tons of recycling (41% decrease from 2024, 90% decrease from 2023)
- **128.17** tons of yard waste (24% increase)
- **0** tons of Sludge
- **2.00** tons Street Sweepings
- **29.21** tons of white goods and other junk
- **70 tons Commercial pickup**

For comparison during **July 2024**, the city collected:

- **332.00** tons of Class I garbage
- **1.81** tons of recycling
- **103.24** tons of yard waste
- **72.53** tons of Sludge
- **5.79** tons Street Sweepings
- **13.29** tons of white goods and other junk
- **70 tons** Commercial pickup

## **Water/Wastewater**

- W/WW crews/management had personal interaction with several citizens regarding water/sewer issues.
- Contacted all customers on water and irrigation “Highest Users” report that had unusual consumption (not usually on report)
- Staff continues to refine the scope and financials of the consolidated AWWTP, expanded reclaimed water system, wastewater collection system improvements and water system capital improvements to obtain maximum grant potential, optimize loan conditions and minimize impact to customers.
- W/WW/RW Projects;
  - Design of the improvements to the city’s wastewater treatment system (all phases) is complete. Following the city’s Wastewater and Reclaimed Water Master Plans the following projects have been completed, initiated or designed / permitted.

- Harbor Road WWTF Phase I:
  - Construction of the on-site reclaimed water system (storage tanks, high service pumps, electrical) at the existing Harbor Road Facility, and rehabilitation of Master Lift Stations #2 and #4. **Construction was completed in June 2020.** The total Phase I cost was \$6,120,600. Staff received \$4,063,425.00 in “Principal Forgiveness” (grant) from FDEP (SRF).
- Harbor Road WWTF Phase II:
  - Construction of the new 1.25 million gallon per day (MGD) advanced wastewater treatment plant (AWWTP) at the Harbor Road site.  
**New plant online June 2025.** The total Phase I cost was \$15,500,000. Staff received \$6,000,000.00 in “Principal Forgiveness” (grant) with \$4,500,000.00 from FDEP (SRF) and \$1,500,000.00 from SJRWMD (Cost Share).
- Harbor Road / South WWTF Phase III:
  - A new force main from Lift Station #2 diverting the sewage from the South Plant to Harbor Road (all sewage generated in the City will be treated at the new Harbor Road AWWTP).
  - Decommissioning and “mothballing” of the South Wastewater Treatment Plant. The permit will remain in place and the plant could be re-commissioned later depending on future activities at the Reynolds site.
  - **RFI for this phase submitted in July 2025 for funding through the FDEP SRF loan program.**
- Harbor Road WWTF Phase IV (future – determined by growth):
  - Construct a second identical 1.25 MGD AWWTP built at the Harbor Road site and additional reclaimed water infrastructure. An alternative would be construction of this train at the South Plant site in Reynolds Park if the southern /Reynolds portion of our service territory is where significant growth occurs
- Harbor Road WWTF Phase V (future – determined by growth):
  - Construct a third identical 1.25 MGD AWWTP built at the Harbor Road or Reynolds site.
- The Sanitary Sewer Evaluation Survey (cleaning and videoing) of the Core City wastewater collection system is **complete**. Staff utilizes this data daily in evaluating and budgeting collection system repairs and evaluating requests for sewer connections.

- Continuing to work with FDOT and Clay County on utility relocations associated with the First Coast Expressway and Clay County Road expansions (CR 315 & CR 209 / Russell Road).
- **Senate Bill 64 – Surface Water Discharge Elimination Act:** In 2021 the Florida Senate signed into law Senate Bill 64 (SB64) - the Surface Water Discharge Elimination Act. This law requires wastewater treatment plants to eliminate surface water discharges by 2032, which has become a significant financial burden to utilities. This requires the city to eliminate effluent discharge from the Harbor Road and South wastewater treatment plants to the St. Johns River. While the city has been implementing reclaimed water projects for several years, there are not enough uses to take all the city's treated wastewater.

In 2021 the city evaluated all options to comply with SB64. There are only three viable options – expand reclaimed water within our system, send reclaimed water to a neighboring utility that has additional capacity needs or deep well injection. As of 2024 the only option is to expand reclaimed water in the city's service territory. Discussions continue with neighboring utilities.

In November 2021, as required by law, the city submitted to FDEP the plan to comply with SB64, which is to construct reclaimed water infrastructure in the Magnolia Point subdivision. Current irrigation use in the subdivision is approximately 80 million gallons per year. **Design and permitting of this project is complete.**

#### **Potable Water:**

- Staff completed a full review of the future capital needs of the water system. A comprehensive capital improvement program (CIP) has been developed as part of the Water Master Plan. As in the past, the timing of many of these improvements is driven by future activities in Reynolds Industrial Park and other areas of our service territory. Design and permitting of several of the CIP improvements are complete so the city will be ready to initiate construction. Projects are listed by plant / territory below.
  - South Service Territory / Reynolds Water Treatment Plant:
    - Upgrade electrical, disinfection and pumping systems.
    - Rehabilitate existing ground storage tanks (GST) and construct one new GST.
    - Replace two existing wells.
    - Expand water mains to create a “loop” around the entire service territory.
  - North Service Territory / Harbor Road Water Treatment Plant:
    - Upgrade electrical, disinfection and pumping systems.
    - Construct a new GST.
    - Upgrade interconnect systems which allows either treatment plant to support the whole city should one plant fail.

- Continued preventative maintenance on all treatment facility generators.
- Completed 7 new services.
- Completed 75 water-related work orders.
- Completed 23 sewer related work orders.
- Responded to 118 utilities locate requests.

### **TOP 10 WATER CUSTOMERS JULY 2025**

Largest (By Consumption)		Largest (By Dollar Amount)	
Rank	CONSUMER	Rank	CONSUMER
1	St. Johns Landing	1	St Johns landing
2	Sheriffs Department	2	Sheriffs Department
3	Oak Street OPCO LLC	3	Oak Street OPCO LLC
4	Luv Car Wash	4	Luv Car Wash
5	Kindred Health	5	Kindred Health
6	Clay Port	6	Kindred Health
7	BCC "White Building"	7	BCC "White Building"
9	Preferred Materials	9	Preferred Materials
10	Gov Landing Condo	10	Gov Landing Condo

### **TOP 10 IRRIGATION CUSTOMERS JULY 2025**

Largest (By Consumption)		Largest (By Dollar Amount)	
Rank	CONSUMER	Rank	CONSUMER
1	Magnolia Point Investments	1	Magnolia Point Investments
2	Sheriffs Department	2	Sheriffs Department
3	Clay County Court House	3	Clay County Court House
4	Green Cove Springs Junior High	4	Green Cove Springs Junior High
5	Clay County Court House	5	Clay County Court House
6	Governors Point	6	Governors Point
7	Mobro	7	Mobro
8	Vallencourt Construction	8	Vallencourt Construction
9	Permabase	9	Permabase
10	Opal Reed Park	10	Opal Reed Park

## TOP 10 SEWER CUSTOMERS JULY 2025

Largest (By Consumption)		Largest (By Dollar Amount)	
Rank	CONSUMER	Rank	CONSUMER
1	Sheriff's Department	1	Sheriff's Department
2	St John's Landing	2	St John's Landing
3	Oak Street OPCO LLC	3	Oak Street OPCO LLC
4	Luv Car Wash	4	Luv Car Wash
5	Kindred Health	5	Kindred Health
6	Clay Port	6	Clay Port
7	CCBC "White Building"	7	CCBC "White Building"
8	Premier Surface	8	Premier Surface
9	Preferred Materials	9	Preferred Materials
10	Governors Landing	10	Governors Landing

### Wastewater Plant Capacity Status

**South Plant: TMDL Capacity 0.350 MGD\*,**

- Current Loading 0.266 MGD\*, 76% Capacity (June 2025 Annual Average)
- Current & Committed (.065) Loading 0.331 MGD\*, 95% Capacity
- Current, Committed (.065) & Requested (0.05) Loading 0.336MGD\*, 96% Capacity

**Harbor Road: TMDL Capacity 1.250 MGD\***

- Current Loading 0.518 MGD\*, 41% Capacity (June 2025 Annual Average)
- Current & Committed (0) Loading 0.518 MGD\*, 41% Capacity
- Current, Committed & Requested (0) Loading 0.518 MGD\*, 41% Capacity

\*MGD = Million Gallons per Day

Note: No Reynolds growth or loading projections included in above.