



City of Marco Island

Meeting Date: November 4, 2024
To: City Council
From: Jeffrey E. Poteet, General Manager- Water & Sewer
Through: Mike McNees, City Manager
Re: Water and Sewer (W&S) Departmental Report

Both the City's drinking water and wastewater operations follow Florida Department of Environmental Protection (FDEP) regulations and all other regulatory entity requirements. The W&S Department is operating within the approved budget. Below is a summary of department activities during the past month.

Response to Hurricanes Helene and Milton

As Hurricanes Helene and Milton threatened our community, the dedicated men and women of our Water and Sewer Department—the Silent Sentinels—once again stood ready to protect our city. Their resilience, commitment, and professionalism in the face of these powerful storms exemplify the true spirit of public service.

Led by Bart, Eric and Sonia, with strong support from Charley, Ivo, Dillan, Scott, Darrell, and many more, these teams acted not only as first responders but also as proactive stewards of our critical infrastructure. Their efforts ranged from fortifying facilities to ensuring seamless coordination with emergency services, leaving no contingency unaddressed.



Thanks to their meticulous preparation and quick action, our water supply remained secure, and our sewer systems resilient, even under the pressure of extreme weather conditions. Their ability to mitigate risks, restore services quickly, and maintain public health throughout these events was invaluable.

It is important we recognize and extend our deep gratitude to these Silent Sentinels for their unwavering dedication. Their vigilance and hard work enabled us to confront and withstand the challenges brought by Hurricane Milton, ensuring that our community remains strong, safe, and united.

Caught in the Act: Daniel McGuire

On the afternoon of October 16, 2024, an LCEC contract crew was replacing a plastic ground box at a City resident's property when they accidentally severed the service waterline, leaving the home without water. While the contractor assured the resident that a plumber would arrive shortly to make the repair, unclear communication and a lack of a solid repair plan left the resident increasingly frustrated.

Concerned, the resident reached out to the Water & Sewer Department's answering service. Daniel McGuire promptly responded and assured the



resident he would be at the property within 30 minutes. Upon arrival, Daniel quickly assessed the situation. Even though the damage occurred on private property, outside of the City's direct responsibility, Daniel didn't hesitate. He took the initiative to coordinate with the LCEC crew, providing clear instructions to ensure the waterline was repaired efficiently, restoring water service to the customer.

Daniel McGuire's proactive approach, problem-solving, and dedication to customer service reflect his commitment to going above and beyond for City residents.

Caught in the Act: Eddie Strabala

While driving down Bald Eagle Drive, Eddie Strabala encountered a couple in distress, struggling to change a flat tire on a busy road. Faced with a choice to continue his way or help, Eddie didn't hesitate. Despite the potential dangers of the bustling traffic, he stopped his vehicle and stepped in to help.

Eddie's actions go beyond what is expected of his day-to-day duties as a City employee. By taking the time to assist residents in a challenging situation, he demonstrated the core values we uphold as public servants. His quick response not only ensured the safety of those in need but also reinforced the City's mission of supporting the community in meaningful, tangible ways.



Eddie's commitment to helping residents in their time of need is a prime example of the exceptional service we strive for. His willingness to go the extra mile not only aided the couple but also strengthened the connection between the City and its residents. This act of kindness reflects the dedication we have to our community and aligns with the Department's broader goals of service and public safety.

Thank you, Eddie, for embodying the City's mission and going above and beyond to make a difference. Your actions serve as an inspiration to us all.

On Government Week Neighborhood Cleanup

Tuesday, October 22, as part of Government Week, an enthusiastic team from the Water & Sewer Department took time out of their regular schedules to participate in a neighborhood cleanup around the North Water Treatment Plant (NWTP). The event was a great success, as staff members rolled up their sleeves to remove debris, shared laughter, and strengthened bonds. Working together outside of the normal work environment fosters trust, teamwork, and camaraderie,

allowing colleagues to see one another in a different light and build stronger relationships. The hard work, dedication, and positive spirit shown by everyone who participated not only



resulted in a cleaner neighborhood but also reinforced a sense of community both within the department and with the surrounding area. It was a productive and rewarding day for all involved!

Annex 2nd Floor Reconfiguration

Construction on the Annex project is nearly finished working on the first floor making new electrical and plumbing connections for the second floor. The work required opening the ceiling on the first floor to access the existing pipes. Upon completing work on the first floor the contractor will continue construction on the second floor.



progressing. The



C&D Building

Seagate Development Group is working on forming and pouring tie beams for the C&D Building. Roof trusses are expected to be delivered to the site the second week of November and are expected to take two weeks to install. The new water main has been installed along the East Elkcam Circle right-of-way. It is scheduled to be tied into the existing water main on Windward Drive the last week of October. The project remains on budget and on time.



Purchase of Boom Truck

The W&S Maintenance Department has a boom truck that they use for replacing wells, lifting heavy machinery, unloading shipments, and hanging Christmas decorations at City Hall. The truck frequently needs repairs, replacement parts are difficult to obtain, and it needs to be replaced. A replacement boom truck was approved in the FY25 budget.



The purchase of a new boom truck for the W&S Maintenance Department was advertised for bid on October 20, bids will be opened on November 21. We expect to present the contract for purchase to City Council at the December 9 meeting.

SWTP West HSPS

The West HSPS contractor is working on foundation in preparation for pouring the concrete slab. In addition, the discharge header on the south side of the pump station has been installed. Work over the next month includes installation of the new flow meter, pouring stairs and HVAC condenser slabs, installing rough electrical, HVAC, and grounding/lightning protection. This project is within the approved budget and time.



backfilling the interior of the



Water Service Interruptions with Boil Water Notice (BWN)			
Month	Number of Service Calls Resulting in a BWN	Number of Customer s Affected in the Month	Large Interruptions 50 Customer or More
Oct-23	4	190	1065 Borghese 123.
Nov-23	2	52	
Dec-23	9	528	Seabreeze W. 70 Tradewinds-204
Jan-24	3	174	Marco Villas 95
Feb-24	0	0	
March-24	3	193	Royal Marco Way- 112, Mainsail-80
April-24	5	290	Eagle Cay-126, Madeira-103
May-24	2	403	4 Condos
June-24	4	229	4000 Royal Marco Way-
July-24	4	170	San Marco Villas-65
Aug-24	0	0	****NOTE NO PRECAUTIONARY BOIL WATER
Sept-24	4	307	Marco Villas-68 Twice, and Seabreeze 120



Treatment Plant Data							
Starting Date:		9/1/2024		Rain Fall for Time Period		6.00 Inches	
Ending Date:		9/30/2024		Average Daily Flow (ADF)			
Aquifer Storage & Recovery				Million Gallons per Day (MGD)			
ASR - Injection Avg. Daily Flow		6.68 MGD		Sep-24		"U" Undetected - results below detection limit	
ASR - Recovery Avg. Daily Flow		0.00 MGD					
Marco Island Drinking Water							
				Max Day	Max Day	Flow	
Combined Consumer ADF		9.12 MGD		9/14/2024	10.74	MGD	
NWTP Consumer ADF		3.84 MGD		9/30/2024	4.77	MGD	
SWTP Consumer ADF		5.28 MGD		9/9/2024	6.34	MGD	
Finished Water Testing							
Minimum Chlorine Residual		1.50 mg/L					
		Maximum	Minimum			Maximum	Minimum
Turbidity	0.01	0.01	NTU	Chlorides	196	81	mg/L
Total Dissolved Solids	3211.00	200.00	mg/L	Color	7	1	mg/L
P-Alkalinity	9.00	4.00	mg/L	Phosphate	0.8	0.06	mg/L
M-Alkalinity	48.00	34.00	mg/L	Ammonia	0.61	0	mg/L
Cal-Hardness	148.00	62.00	mg/L	Aluminum	0.11	0.05	mg/L
Total Hardness	176.00	80.00	mg/L	pH	8.9	7.63	SU
Sep-24 Wastewater - RWPF				Monthly Testing			
Average Flow		Monthly Max Day		Influent		Effluent	
Influent	2.24 MGD	9/26/2024	4.84	BOD	102	1.00	mg/L
Reuse	1.41 MGD	9/26/2024	2.5	TSS	96	0.75	mg/L
Deep Well	0.841 MGD	9/27/2024	3.217	Total N	NA	6.74	mg/L
				Total P	4.43	2.98	mg/L