



City of Marco Island

Meeting Date: April 6, 2026
To: City Council
From: Jeffrey E. Poteet, General Manager- Water & Sewer
Through: Casey Lucius, Interim 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.

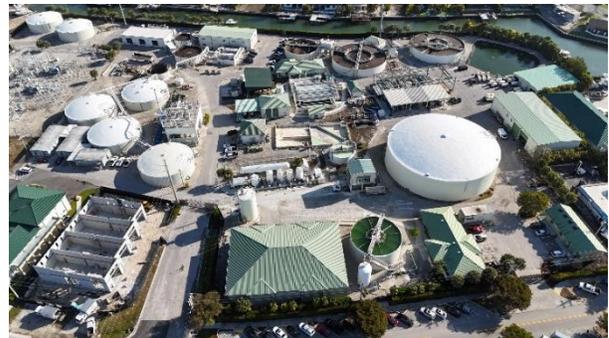
Water & Sewer Open House – (Rescheduled to April 15)

This April 15th (yes, Tax Day), while you're busy crunching numbers and questioning your life choices, the Marco Island Water & Sewer (W&S) Department invites you to something far more refreshing—our Annual Water & Sewer Open House!

Instead of auditing your finances, come audit us! Bring a family member, neighbor, mentor, or that friend who always asks, "Where does the water actually go?" (We've got answers.)

What's in store?

- A behind-the-scenes look at how your water gets from "meh" to "magnificent"
- The not-so-glamorous (but very important!) journey of wastewater
- A peek at our high-tech facilities (yes, it's cooler than it sounds—we promise)
- Meet the hardworking cats who keep everything flowing smoothly



Location:	North Water Treatment Plant, 807 E. Elkcam Circle, Gate "C"
Date:	April 15, 2026
Time:	9:00 AM – 11:30 AM
Presentation:	Starts at 9:30 AM (we'll keep it cleaner than your tax forms)
Plant Tour:	Right after—see the magic in action
Dress Code:	Closed-toe shoes (because safety > sandals)

Think of it this way: while Uncle Sam takes, we *give*—knowledge, clean water, and maybe even a few new friends.

Come for the curiosity, stay for the clarity (and the surprisingly interesting topic). We can't wait to see you there!

North Marco Water Main Improvements

The North Marco Water Main Improvements Project is complete, enhancing water service reliability and improving fire protection for the Olde Marco Village neighborhood. Crews installed a new 10-inch HDPE water main through the alley, looping the system to improve distribution and redundancy, and added two fire hydrants to strengthen emergency response capabilities. The work included excavation, installation of the new pipeline, pressure testing, flushing, and collection of bacteriological samples to verify compliance with performance and public health standards.



Because the project is located within the historically significant 8CR48 (Key Marco) archaeological zone, the City partnered with an archaeologist to monitor all ground-disturbing activities. Conducted from late 2025 through early 2026, this effort led to the recovery of several notable artifacts, including early 1900s glass, ceramics, and metal objects.



Figure 11. Photograph of selective historic artifacts recovered from Lateral Trench 1 and 2 (FS-4).



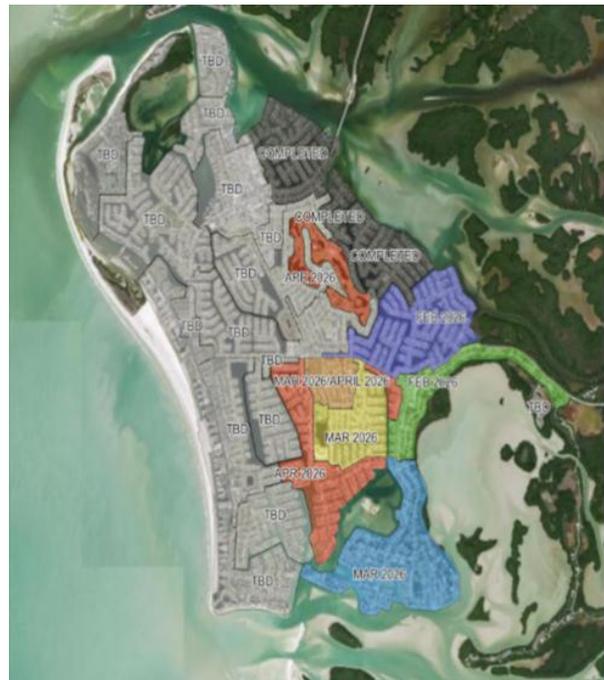
Figure 12. Photograph of selective prehistoric and historic artifacts recovered from Trench C and D (FS-5 and FS-6).

The project was completed on time and within budget. Please see the artifact photos highlighting discoveries made during construction.

Advance Metering Instructure (AMI) Project

The AMI project continues to progress on schedule. The contractor has completed approximately 25% of the work to date, with about 3,000 meters replaced since the project began, including both residential and commercial meters. The team is currently working in the central portion of the island.

As meters are brought online, customers gain access to their water usage data through the customer portal. This feature is available to Marco Island customers with newly installed AMI meters as well as those with previously installed compatible meters. Several customers have already identified irrigation issues and leaks using the system. The portal allows customers to view their water usage data on a monthly or hourly basis and set alerts for leak detection, high daily usage, high-usage billing, and vacation mode. The customer service team is available to assist with any questions.



South Water Treatment Plant West High Service Pump Station (HSPS) Project

The new West HSPS at the South Water Treatment Plant (SWTP) has been completed, replacing a 50-year-old pump station that frequently leaked, lacked sufficient capacity to meet peak drinking water demands, did not meet current hurricane codes, and was vulnerable to flooding.

The construction contract was publicly bid in March 2023 and included demolition of the existing building, equipment, flow meter vault, and associated piping, as well as construction of the new pump station. The project scope included a new structure; installation of two vertical turbine pumps with an additional pump for future expansion; variable frequency drives; electrical switchgear; motor control centers and control panels; associated piping and valves; a new flow meter pad; a fire protection system; and site work.



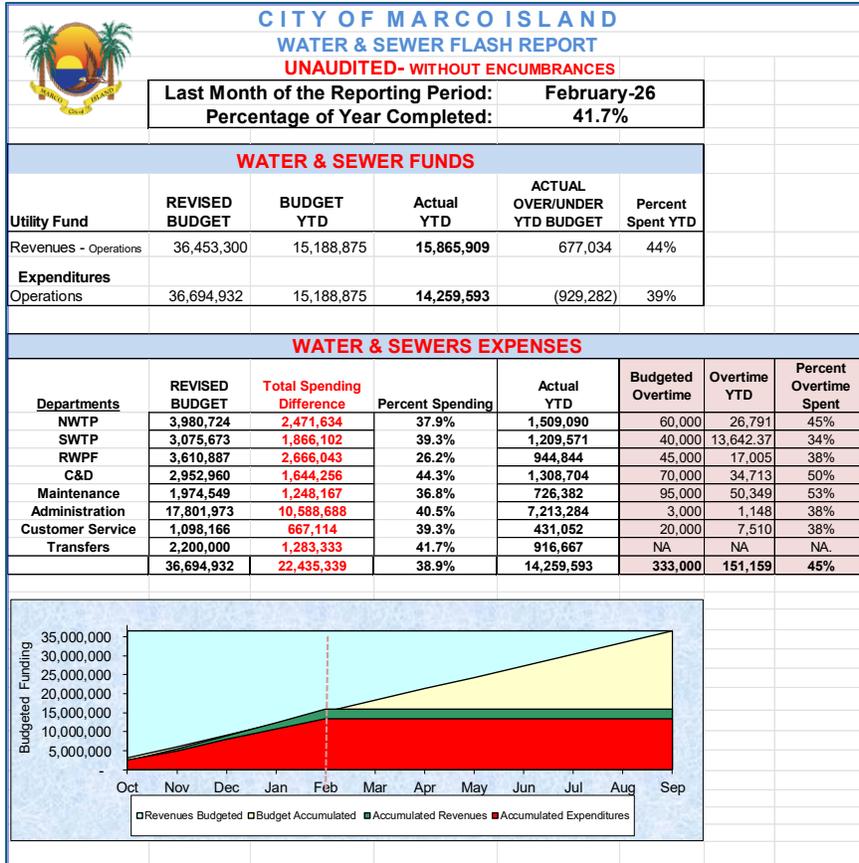
The new pump station was constructed at a cost of \$4,698,000. This cost will be partially offset by a \$900,000 Florida Department of Environmental Protection (FDEP) Resilient Florida Grant, which provides funding for projects that mitigate flooding and sea level rise.



The project was completed under budget and has been successfully started up, integrated with existing systems, and fully commissioned. Staff are currently in the process of closing out the project, and a ribbon-cutting ceremony is being planned for April.

Water Service Interruptions with Boil Water Notice (BWN)			
Month	Number of Service Calls Resulting in a BWN	Number of Customers	Large Interruptions 50 Customer or More
March-25	0	0	NO PRECAUTIONARY BOIL WATER NOTICES
April-25	1	72	72 units at Stevens Landing
May-25	3	32	Town Center-7 Units
June-25	3	37	
July-25	3	367	Smokehouse Bay-349
Aug-25	3	291	Smokehouse Bay, Sandollar, Westview
Sept-25	6	236	Court Yard Towers-12
Oct-25	7	216	
Nov-25	2	84	667 Thrush Ct.
Dec-25	4	760	Cape Marco 733
Jan-26	7	556	132 Gulfstream, 280 S. Collier, 600 S. Collier
Feb-26	2	256	52 Habitat, 204 Tradewinds





Treatment Plant Data			
Starting Date:	1/1/2026	Rain Fall for Time Period	0.40 Inches
Ending Date:	1/31/2026	Average Daily Flow (ADF)	
Aquifer Storage & Recovery		Million Gallons per Day (MGD)	
ASR - Injection Avg. Daily Flow	0.00 MGD	Jan-26	"U" Undetected - results below detection limit
ASR - Recovery Avg. Daily Flow	3.11 MGD		
Marco Island Drinking Water			
		Max Day	Max Day Flow
Combined Consumer ADF	10.76 MGD	1/26/2026	11.81 MGD
NWTP Consumer ADF	3.87 MGD	1/26/2026	4.54 MGD
SWTP Consumer ADF	6.89 MGD	1/1/2026	7.91 MGD
Finished Water Testing			
Minimum Chlorine Residual		3.40 mg/L	
	Maximum	Minimum	Maximum Minimum
Turbidity	0.07	0.01 NTU	Chlorides 138 130 mg/L
Total Dissolved Solids	459.00	281.00 mg/L	Color 45 2 mg/L
P-Alkalinity	6.00	3.00 mg/L	Phosphate 1.12 0.7 mg/L
M-Alkalinity	39.00	30.00 mg/L	Ammonia 0.93 0.56 mg/L
Cal-Hardness	741.00	70.00 mg/L	Aluminum 0.12 0.03 mg/L
Total Hardness	118.00	98.00 mg/L	pH 8.96 8.44 SU
Jan-26 Wastewater - RWPF		Monthly Testing	
Average Flow		Monthly Max Day	
Influent	2.40 MGD	1/3/2026	2.94
Reuse	1.98 MGD	1/11/2026	2.37
Deep Well	0.392 MGD	1/1/2026	1.677
		BOD	355.8 5.75 mg/L
		TSS	216 0.6 U mg/L
		Total N	NA 6.9 mg/L
		Total P	6.9 4.4 mg/L