



# City of Marco Island

Meeting Date: May 4, 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.

## **The 2025 CCR Water Quality Report for the City of Marco Island**

The City of Marco Island 2025 Water Quality Report for the Marco Island Service area is now posted on the City of Marco Island website. View the report at <https://www.cityofmarcoisland.com/ccr2025/>

## **Water & Sewer Open House –**

On April 15th (yes, Tax Day), while you were busy crunching numbers, hunting for receipts, and reconsidering every financial decision you've ever made, the Marco Island Water & Sewer (W&S) Department hosted our Annual Water & Sewer Open House!

We'll admit, it didn't quite have the same "romantic" turnout as our usual Valentine's Day crowd (fewer couples, fewer date nights... and significantly less hand-holding over clarifiers). But what we did have was an engaged, curious group ready to dive in (platonically) into the world of water and sewer.



The event began with a comprehensive presentation about the W&S Department, setting the stage for an insightful tour of the City's North Water Treatment Plant and Reclaimed Water Production Facility. Attendees were guided through every aspect of our operations, with clear explanations and expert insights along the way.

Guests asked thoughtful questions, shared perspectives, and kept our team on their toes - in a good way. The smaller crowd made for a more interactive, conversational experience, proving you don't need a big turnout to make a meaningful splash.

By the end of the event, participants left with a deeper appreciation for the complexities of water and sewer management—and perhaps a newfound realization that while taxes are inevitable, clean water and reliable infrastructure are something to truly be thankful for.

## Ribbon Cutting Ceremony

The Water and Sewer Department is pleased to announce an upcoming Ribbon Cutting Ceremony for the newly completed West High Service Pump Station (HSPS) at the South Water Treatment Plant (SWTP).

Date: May 21, 2026  
Time: 11:00 AM  
Location: SWTP – 415 Lily Court

A guided tour of the SWTP facility will be available immediately following the ceremony for anyone interested.



This critical infrastructure project was completed on time and within the \$4.7 million budget, with support from a \$900,000 FDEP Resilient Florida Grant. FDEP representatives will be in attendance.

The new West HSPS replaces a 50-year-old pump station that was prone to leaks, lacked capacity for peak demand, did not meet current hurricane standards, and was vulnerable to flooding. The project bid in March 2023 included demolition of the existing facility and construction of a modern, resilient pump station.

The facility is fully operational and will improve system reliability, increase capacity, and enhance resilience to flooding and severe weather.

The ribbon cutting will celebrate the successful completion of this important project and the collaboration that made it possible.

## Biologically Active Filter Improvements

The Biologically Active Filter Improvements Construction Project is progressing well and remains on schedule. The contractor has completed all concrete slab installations for the blower, backwash pump, pipe supports, and filter pads.

Both vessels have been installed, and approximately half of the overhead piping is in place. Electrical work is about 80% complete, with remaining efforts focused on grounding, terminations, testing, and startup.



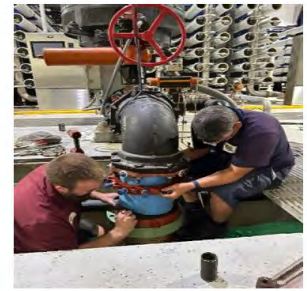
One of the two new 200-horsepower vertical turbine transfer pumps has been successfully installed.

The project remains within budget, with substantial completion anticipated in August 2026.



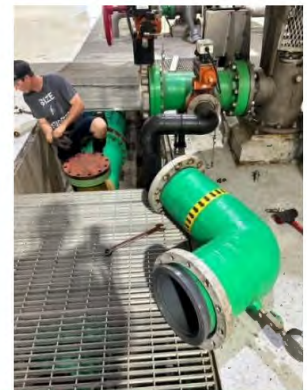
## SWTP Operational Events – March 14, 2026 (LCEC Power Interruption and Elbow Failure)

On Saturday, March 14, 2026, at approximately 4:30 a.m., the South Water Treatment Plant (SWTP) experienced a power disturbance from LCEC, resulting in a temporary shutdown of water production and distribution. The emergency generator did not activate, and the North Water Treatment Plant temporarily supplied the island's full demand.



LCEC arrived on site around 7:30 a.m. and identified the issue as a loss of one leg of the three-phase power supply. Full power was restored at approximately 8:15 a.m., and plant staff began restarting operations.

At approximately 9:30 a.m., during startup of the fourth production train, a fiberglass elbow on the raw water feed line failed, causing another shutdown. Maintenance staff responded promptly, isolated the line, and initiated repairs without success. Operations then requested support from the C&D team and repairs were made.



This repair was prioritized to restore additional production capacity, as the ground storage tank (GST) level had decreased to approximately 12.5 feet. The repair took approximately nine hours, during which the plant remained offline. Operations were successfully restored at approximately 8:00 p.m. that evening.

Special thanks to Oscar Castellanos, Bart Bartshaw, Ryan Chidester, Isaac Mendez, and Dylan Langford for their dedication and efforts in managing this emergency outside of normal business hours.

### **Update - Advance Metering Instructure (AMI)**

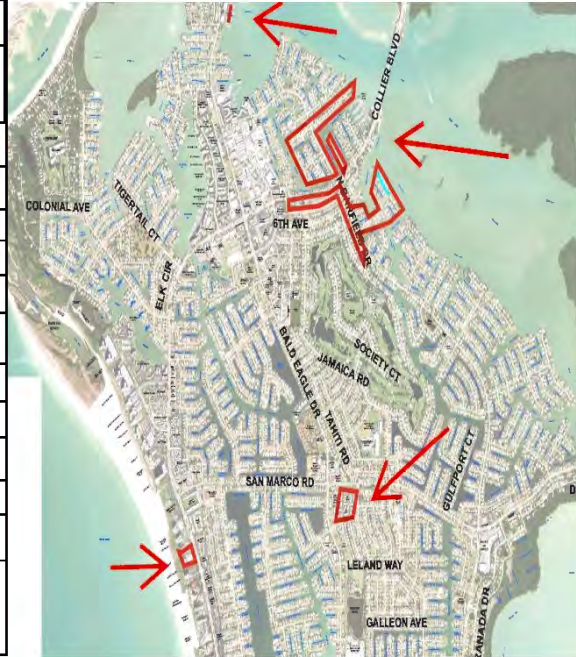
The AMI project continues to progress smoothly and remains right on schedule. To date, approximately 47% of the overall work has been completed, including the successful replacement of about 5,000 meters across both residential and commercial areas. Currently, the contractor is focusing efforts south of San Marco Road, on the southern portion of the Island.




As the project transitions into May, the contractor's primary focus will shift to the Collier Boulevard area. This phase will include the condominium complexes as well as the corridor from Yellowbird Street to Collier Boulevard. The larger meter installation crew will return to the Island during the last week of April and continue through May to complete the installation of the remaining large meters. The City will issue precautionary boil water notices via the City website and social media platform as needed. Additionally, the City will coordinate directly with the condominium associations in advance regarding the water service interruption associated with the meter exchange work.

Once the new meter is installed, residents will be able to track their water usage through the City website [www.cityofmarcoisland.com](http://www.cityofmarcoisland.com) and click "Make a Payment" to access the Portal. For assistance, please contact Customer Services at (239) 394-3880 Ext: 1

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
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
March-26	6	627	TradeWinds-204, Marco Villas-80, Eagles Nest-96 (Twice), 719 Barfield-119





## CITY OF MARCO ISLAND

### WATER & SEWER FLASH REPORT

**UNAUDITED- WITHOUT ENCUMBRANCES**

<b>Last Month of the Reporting Period:</b>	<b>March-26</b>
<b>Percentage of Year Completed:</b>	<b>50.0%</b>

**WATER & SEWER FUNDS**

Utility Fund	REVISED BUDGET	BUDGET YTD	Actual YTD	ACTUAL OVER/UNDER YTD BUDGET	Percent Spent YTD
Revenues - Operations	36,453,300	18,226,650	19,098,688	872,038	52%
<b>Expenditures</b>					
Operations	36,694,932	18,226,650	17,231,588	(995,062)	47%

**WATER & SEWERS EXPENSES**

Departments	REVISED BUDGET	Total Spending Difference	Percent Spending	Actual YTD	Budgeted Overtime	Overtime YTD	Percent Overtime Spent
NWTP	3,980,724	2,191,997	44.9%	1,788,727	60,000	29,696	49%
SWTP	3,075,673	1,617,260	47.4%	1,458,413	40,000	15,718.19	39%
RWPF	3,610,887	2,354,012	34.8%	1,256,875	45,000	18,742	42%
C&D	2,952,960	1,436,941	51.3%	1,516,019	70,000	40,586	58%
Maintenance	1,974,549	1,108,790	43.8%	865,759	95,000	61,897	65%
Administration	17,801,973	9,074,650	49.0%	8,727,322	3,000	1,148	38%
Customer Service	1,098,166	579,693	47.2%	518,473	20,000	9,541	48%
Transfers	2,200,000	1,100,000	50.0%	1,100,000	NA	NA	NA.
	36,694,932	19,463,344	47.0%	17,231,588	333,000	177,327	53%

## Treatment Plant Data

Starting Date: **2/1/2026** Rain Fall for Time Period **0.20** Inches  
 Ending Date: **2/28/2026**

**Average Daily Flow (ADF)**  
**Million Gallons per Day (MGD)**  
 "U" Undetected - results below detection limit

### Aquifer Storage & Recovery

ASR - Injection Avg. Daily Flow **0.00** MGD Feb-26  
 ASR - Recovery Avg. Daily Flow **3.72** MGD

### Marco Island Drinking Water

		Max Day	Max Day	Flow
Combined Consumer ADF	<b>11.27</b> MGD	2/21/2026	<b>12.65</b>	MGD
NWTP Consumer ADF	<b>4.08</b> MGD	2/12/2026	<b>5.01</b>	MGD
SWTP Consumer ADF	<b>7.19</b> MGD	2/23/2026	<b>8.06</b>	MGD

### Finished Water Testing

Minimum Chlorine Residual **3.20** mg/L

	Maximum	Minimum		Maximum	Minimum	
Turbidity	<b>0.01</b>	<b>0.01</b>	NTU	Chlorides	<b>136</b>	<b>125</b> mg/L
Total Dissolved Solids	<b>283.00</b>	<b>28.00</b>	mg/L	Color	<b>18</b>	<b>2</b> mg/L
P-Alkalinity	<b>10.00</b>	<b>3.00</b>	mg/L	Phosphate	<b>0.92</b>	<b>0.71</b> mg/L
M-Alkalinity	<b>40.00</b>	<b>30.00</b>	mg/L	Ammonia	<b>0.98</b>	<b>0.07</b> mg/L
Ca-Hardness	<b>140.00</b>	<b>70.00</b>	mg/L	Aluminum	<b>0.08</b>	<b>0.02</b> mg/L
Total Hardness	<b>144.00</b>	<b>104.00</b>	mg/L	pH	<b>9.27</b>	<b>8.49</b> SU

**Feb-26**

### Wastewater - RWPF

### Monthly Testing

	Average Flow	Monthly Max Day		Influent	Effluent
Influent	<b>2.63</b> MGD	2/21/2026	<b>3.00</b>	BOD	<b>344.8</b> <b>5.23</b> mg/L
Reuse	<b>2.11</b> MGD	2/11/2026	<b>2.45</b>	TSS	<b>149</b> <b>0.675</b> mg/L
Deep Well	<b>0.486</b> MGD	2/16/2026	<b>1.029</b>	Total N	<b>NA</b> <b>7.04</b> mg/L
				Total P	<b>6.58</b> <b>3.78</b> mg/L