

Key Largo Wastewater Treatment District Board of Commissioners Meeting Agenda Item Summary

Meeting Date:
March 17, 2026

Agenda Item Number: L-1

Action Required:
No

Department: Plant/Facilities Sponsor: Ryan Dempsey

Subject:
Plant/Facilities Report - January 2026

Summary:
Mr. Dempsey will present the Plant/Facilities monthly report.

<u>Reviewed / Approved</u>	<u>Financial Impact</u>	<u>Attachments</u>
Operations: _____	\$	1. Monthly Report
Administration: _____		
Finance: _____	Funding Source:	
District Counsel: _____	N/A	
District Clerk: _____	Budgeted:	
Engineering: _____	N/A	

Approved By:  Date: 3-12-26
General Manager

Wastewater Treatment Plant Operations

The wastewater treatment plant processed an average of 1.95 million gallons of influent per day (MGD). The Treatment Plant remains in compliance with the Florida Department of Environmental Protection (FDEP) guidelines.

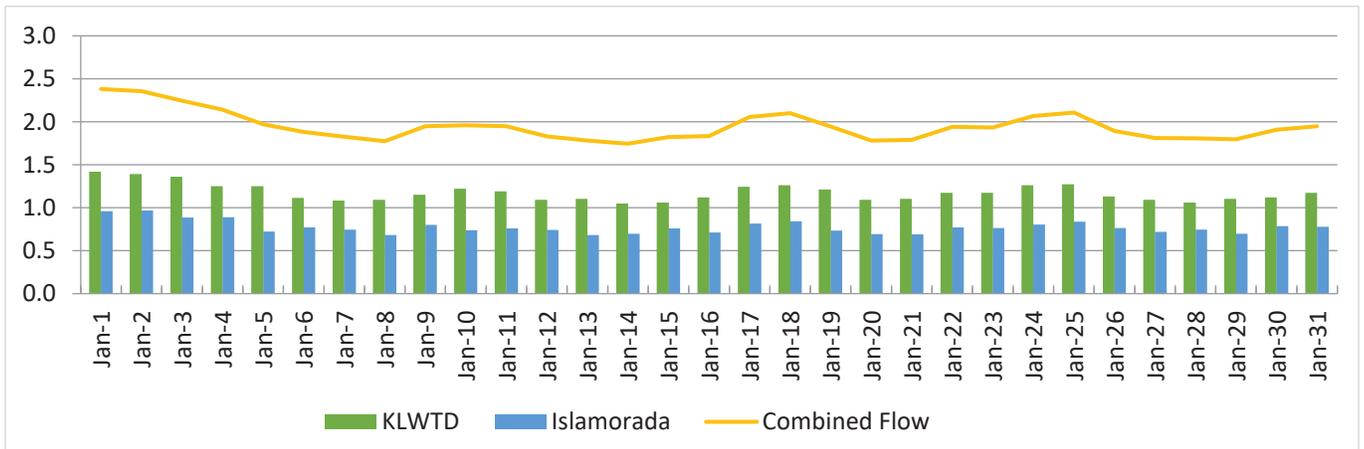
Effluent Quality Reports (mg/L)

Determines the quality of discharge from the wastewater treatment plant.

Effluent Quality Report	January 2026 Plant Performance	12 Month Average Plant Performance	Effluent Limits
CBOD5 (Carbonaceous Biochemical Oxygen Demand)	1.9	2.1	5
TSS (Total Suspended Solids)	1.2	1.1	5
TN (Total Nitrogen)	4	3.5	Report only
TP (Total Phosphorous)	.5	.8	Report only

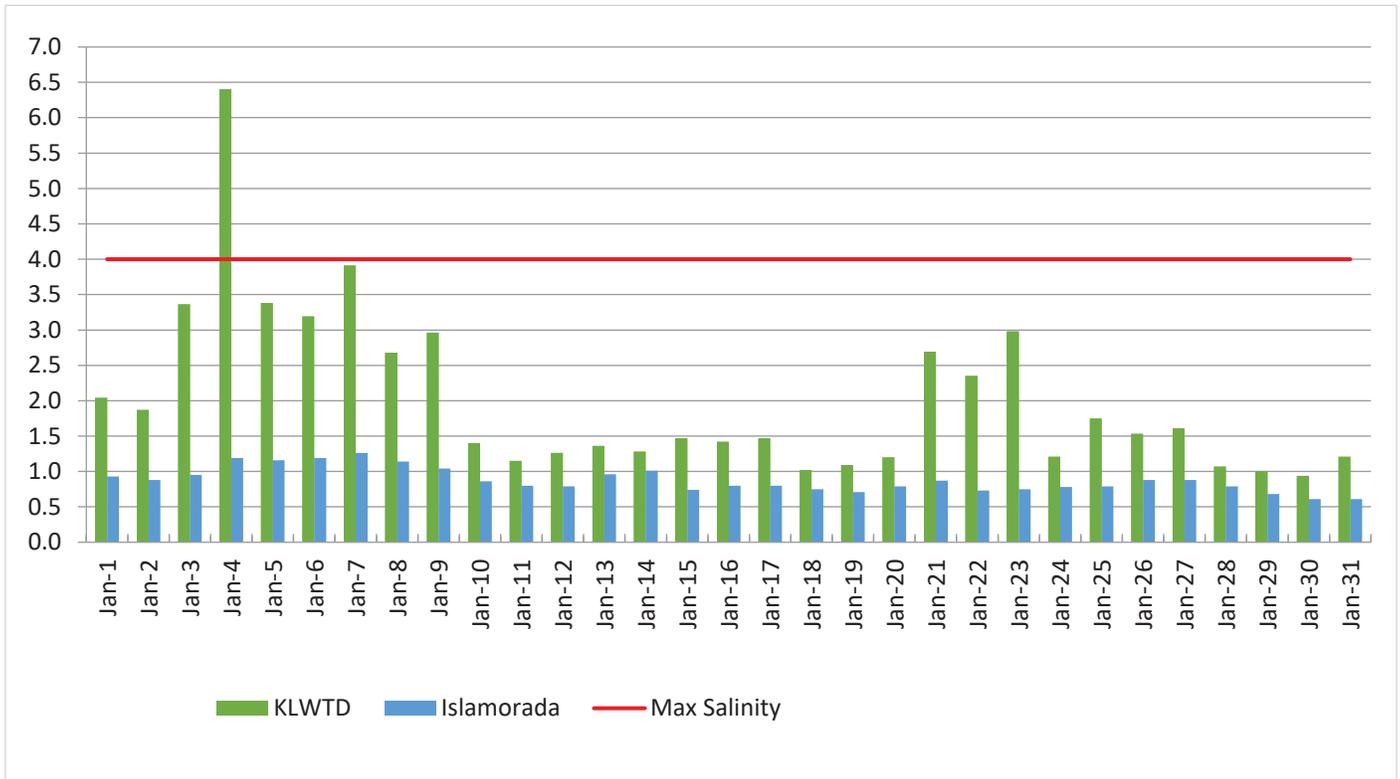
Daily Flow (MGD)

The total flow of influent through the wastewater treatment plant each day.



Daily Peak Salinity (PPT)

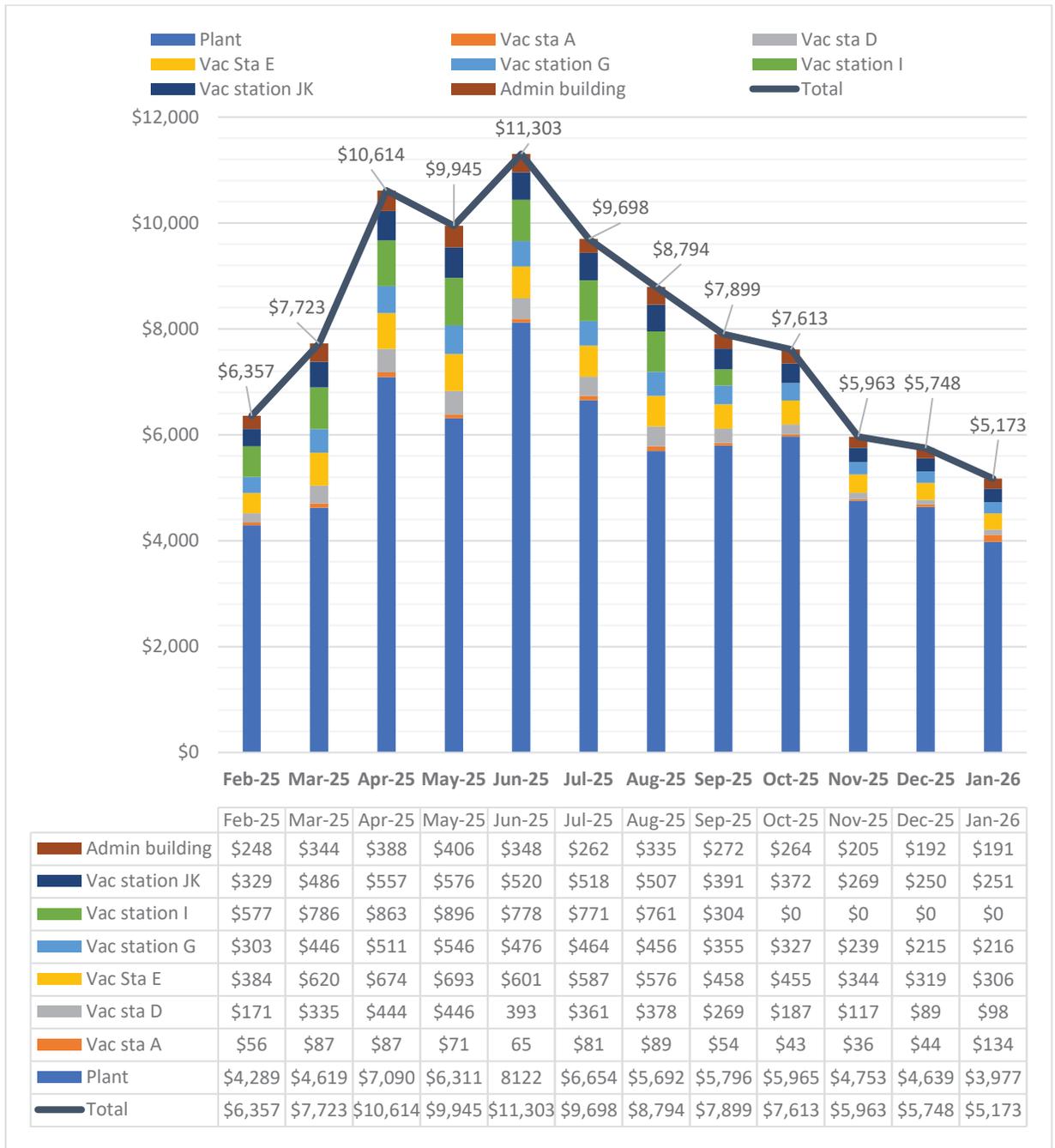
The daily peak salinity for the current month.



Islamorada

Average Daily Flow: .772 MGD
 Highest Daily Flow: .966 MGD
 Monthly Peak Salinity: 1.3 PPT
 Days over 4.0 PPT Salinity: 0
 3-month average of Islamorada flow capacity (1.104 MGD): 66%

Solar Production Report

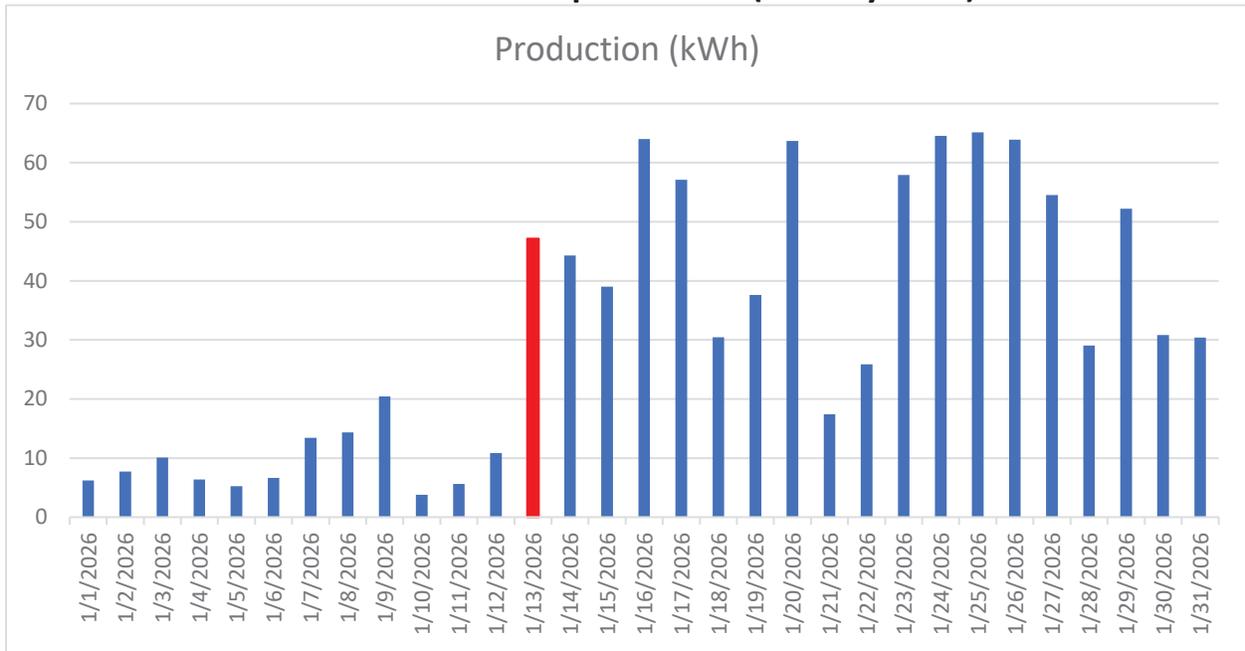


12 month production estimate for all sites: \$96,830

Vac Station A VFD line reactor install



Vac station A solar production (January 2026)



Boom lift corrosion treatment and painting





Figures 1 and 2: Chassis corrosion treatment and priming