

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

Meeting Date:
January 20, 2026

Agenda Item Number: L-1

Action Required:
No

Department: Plant/Facilities
Sponsor: Ryan Dempsey

Subject:
Plant/Facilities Report - November 2025

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: 01/14/2026
General Manager

Wastewater Treatment Plant Operations

The wastewater treatment plant processed an average of 1.81 million gallons of influent per day (MGD). The Treatment Plant remains in compliance with the Florida Department of Environmental Protection (FDEP) guidelines.

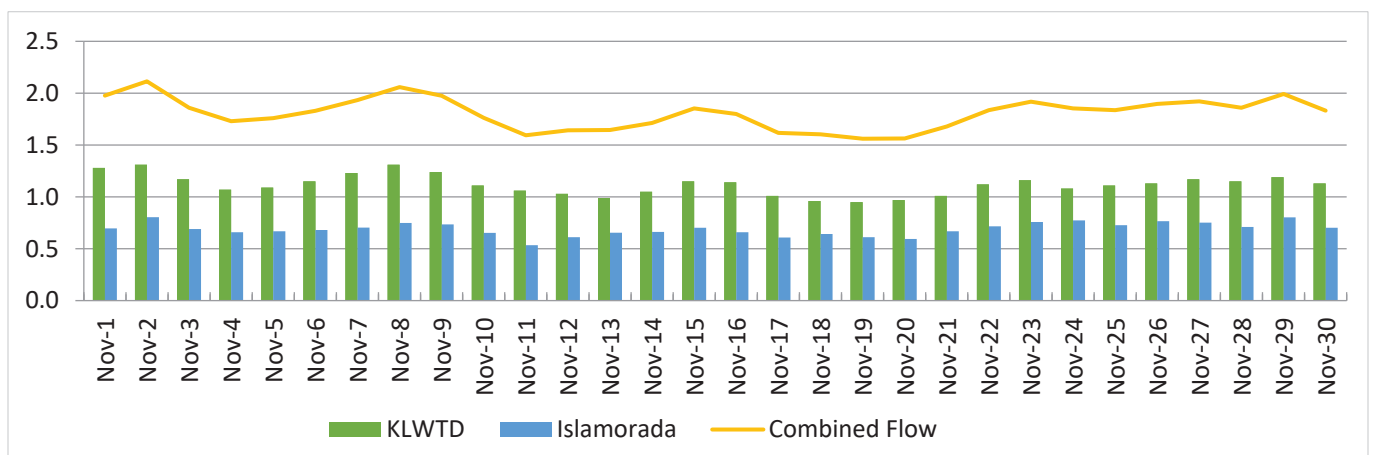
Effluent Quality Reports (mg/L)

Determines the quality of discharge from the wastewater treatment plant.

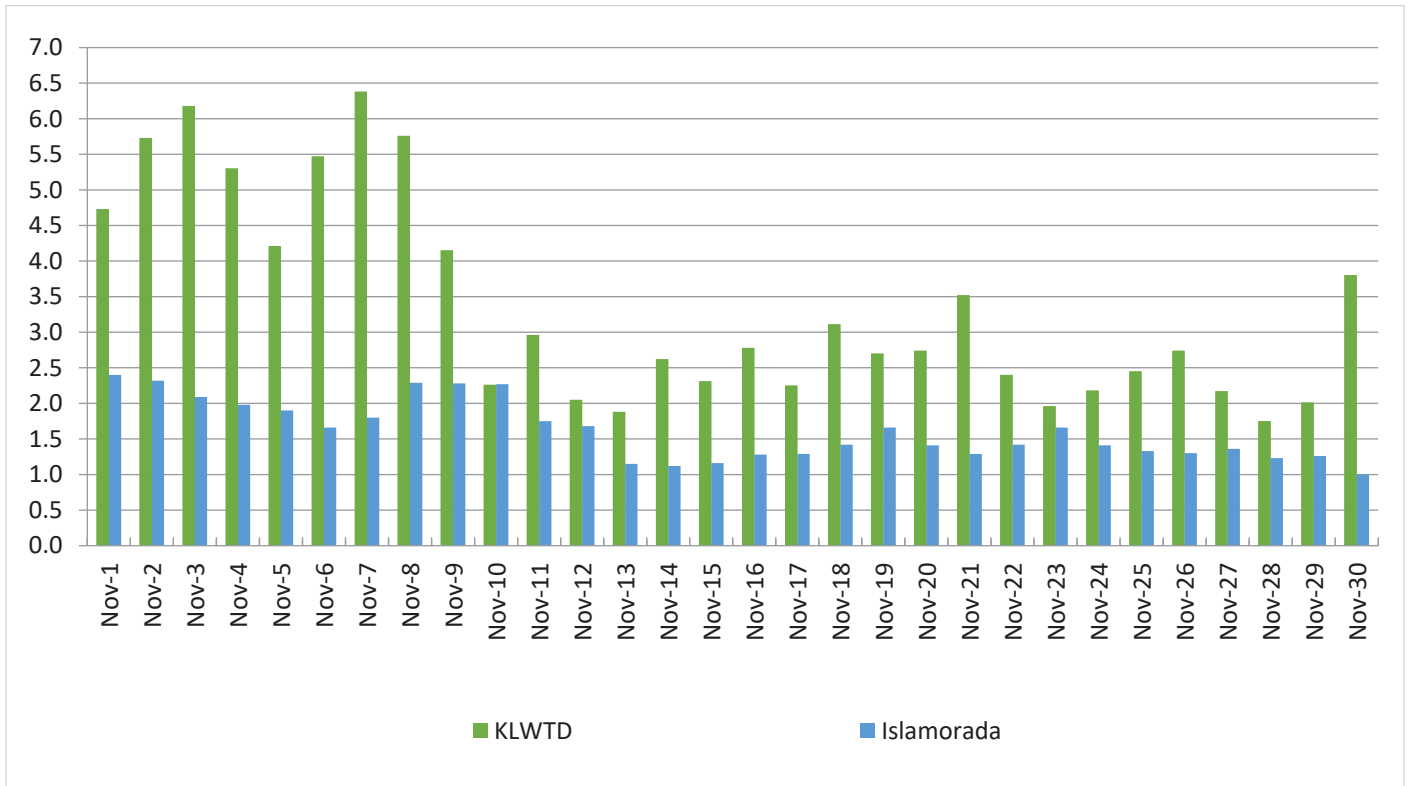
Effluent Quality Report	November 2025 Plant Performance	12 Month Average Plant Performance	Effluent Limits
CBOD5 (Carbonaceous Biochemical Oxygen Demand)	1.7	2.0	5
TSS (Total Suspended Solids)	1.2	1.1	5
TN (Total Nitrogen)	2.3	3.2	Report only
TP (Total Phosphorous)	.5	.8	Report only

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: .690 MGD

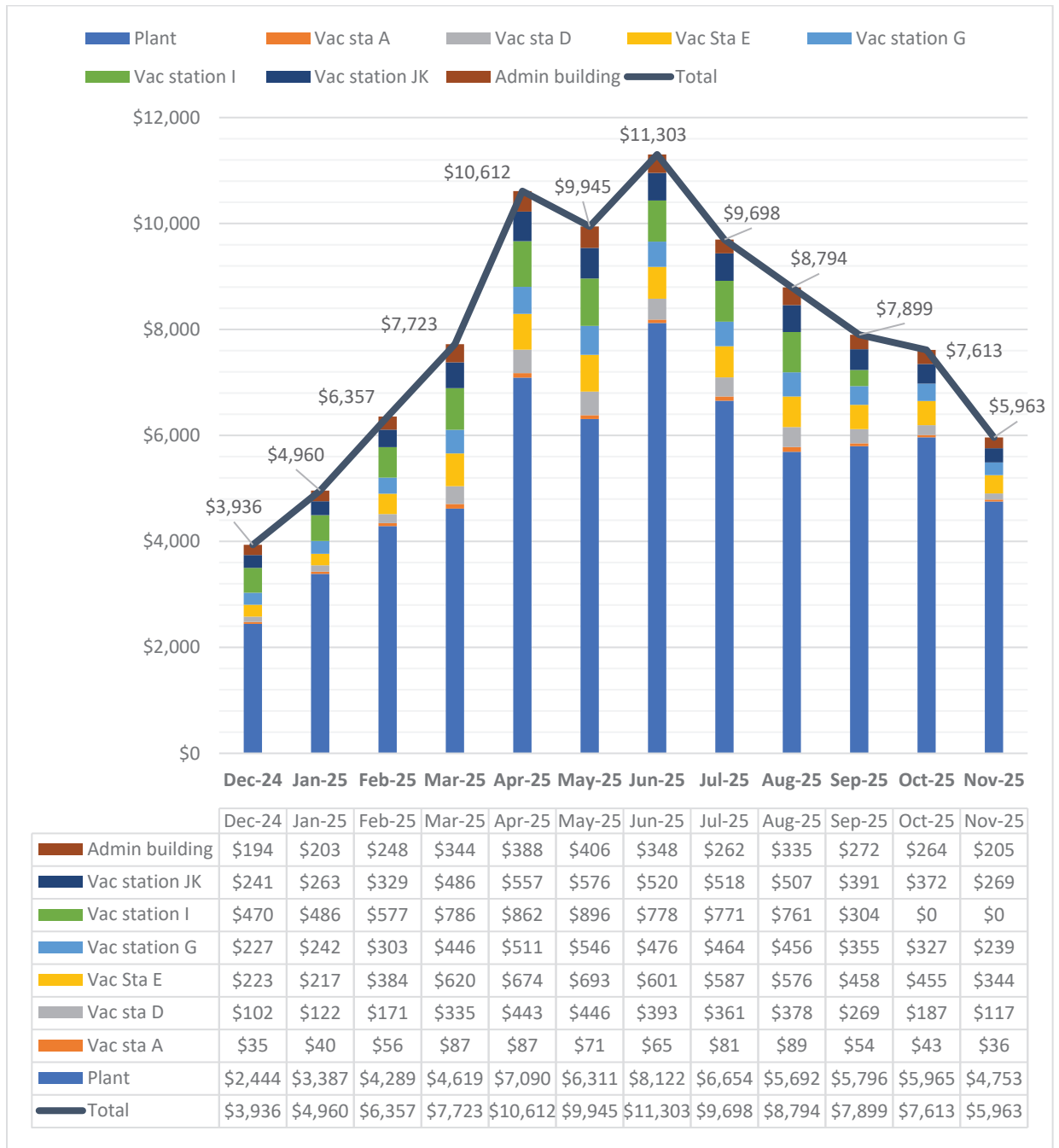
Highest Daily Flow: .804 MGD

Monthly Peak Salinity: 2.4 PPT

Days over 4.0 PPT Salinity: 0

3-month average of Islamorada flow capacity (1.104 MGD): 67%

Solar Production Report



Total YTD Production estimate for all sites: \$90,869

Lift station emergency generator exercise



Figures 1 and 2: Generator cable connected to lift station control panel



Figure 3: Trailer mounted generator/light tower

Maintenance projects

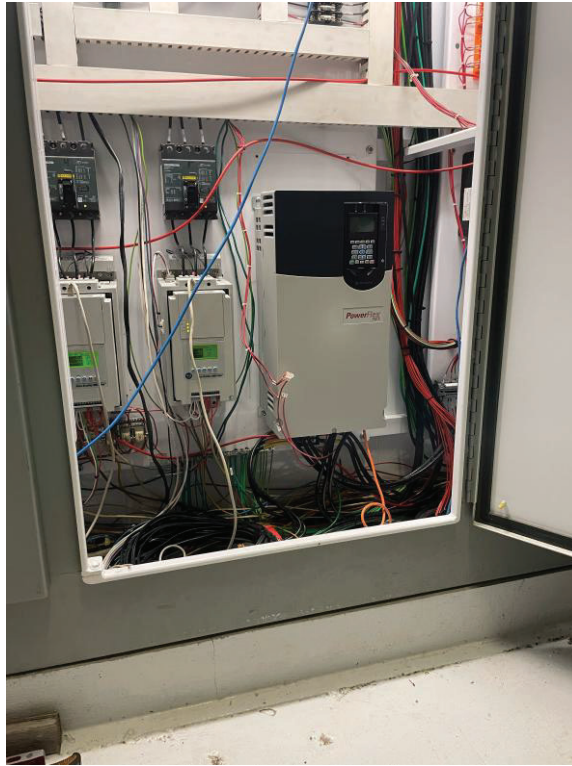


Figure 4: Vacuum station A sewage pump VFD upgrade



Figures 5 and 6: SBR decanter ballast hose replacement