

# Key Largo Wastewater Treatment District

## Board of Commissioners Meeting

### Agenda Item Summary

Meeting Date:

Agenda Item Number: L-1

January 20, 2026

Action Required:

No

Department: Sponsor:

Plant/Facilities

Ryan Dempsey

Subject:

#### **Plant/Facilities Report - November 2025**

Summary:

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

#### Reviewed / Approved

Operations: \_\_\_\_\_

\$

Administration: \_\_\_\_\_

Funding Source:

District Counsel: \_\_\_\_\_

N/A

District Clerk: \_\_\_\_\_

Budgeted:

Engineering: \_\_\_\_\_

N/A

#### Financial Impact

1. Monthly Report

#### Attachments

Approved By: 

General Manager

Date: 01/14/2026

# 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.

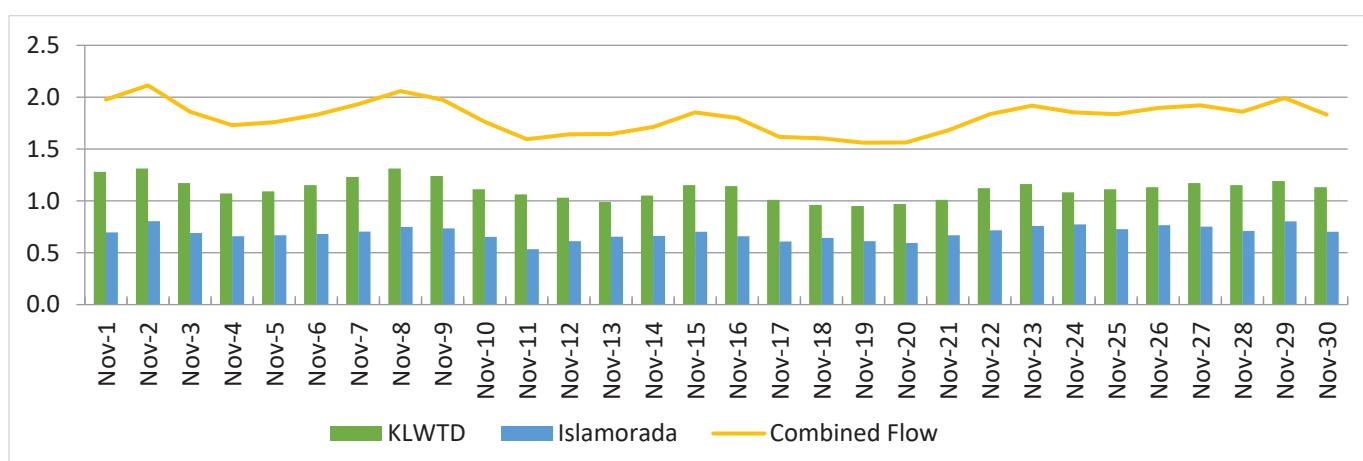
## Effluent Quality Reports (mg/L)

Determines the quality of discharge from the wastewater treatment plant.

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

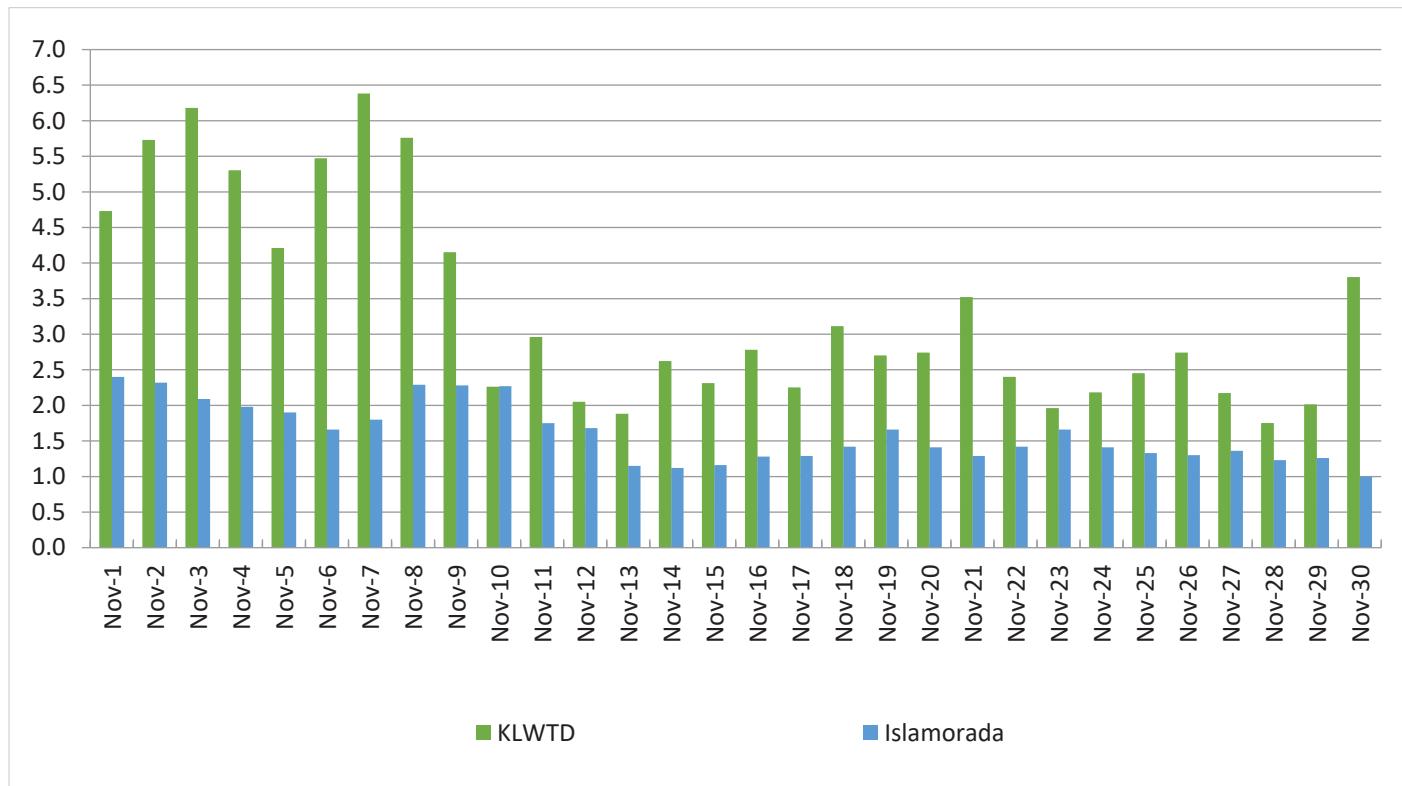
## Daily Flow (MGD)

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

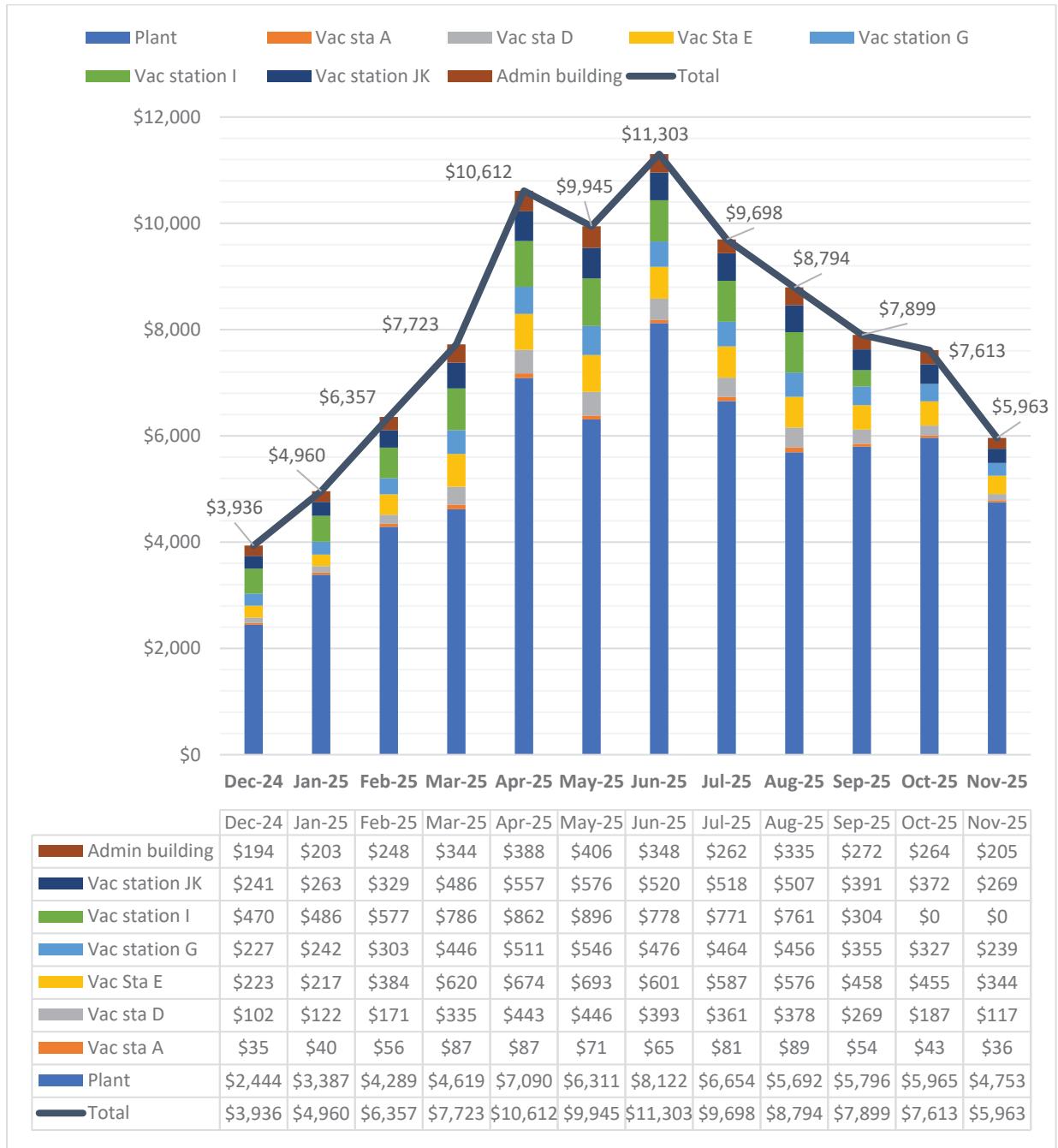
Highest Daily Flow: .804 MGD

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

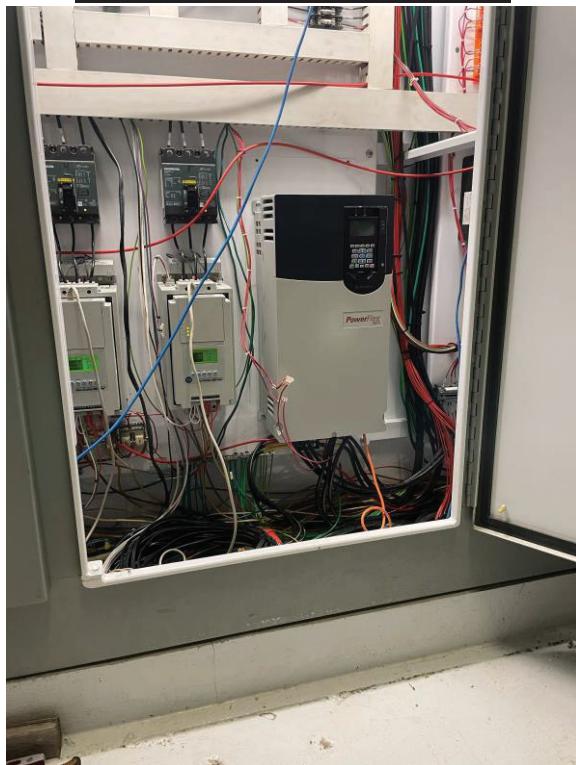
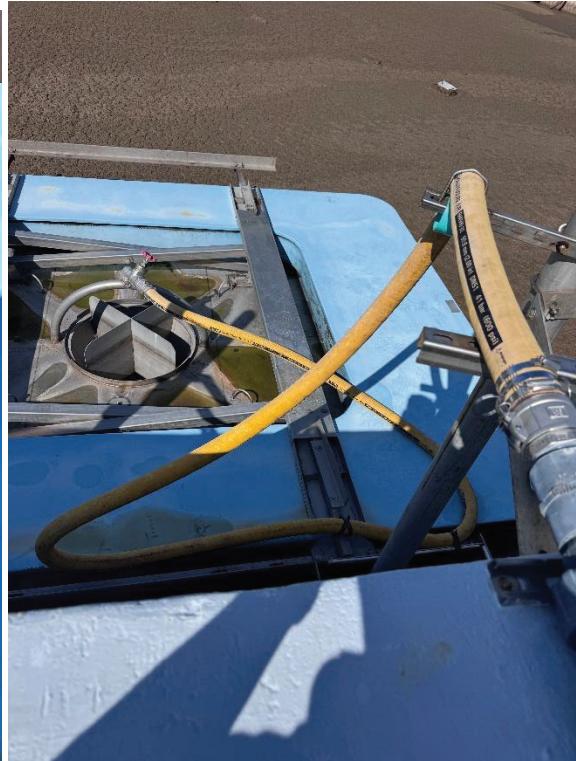


Figure 4: Vacuum station A sewage pump VFD upgrade



Figures 5 and 6: SBR decanter ballast hose replacement