



Key Largo Wastewater Treatment District  
Board of Commissioner's Meeting  
Tuesday, April 16, 2024  
4:00 PM

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## AGENDA

Board of Commissioners Meeting  
103355 Overseas Highway  
Key Largo, FL 33037

Meeting link for computer, tablet, or  
smartphone.

**[www.gotomeet.me/KLWTDCLerkboard-meeting](http://www.gotomeet.me/KLWTDCLerkboard-meeting)**

**(Toll Free): 1 877 309 2073  
(646) 749-3129**

**Access Code: 587-583-005**

### BOARD MEMBERS:

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Nicolas Rodriguez	Chairman
Timothy Maloney	Vice Chairman
Susan Heim	Secretary-Treasurer
Robert Majeska	Commissioner
Philip Schwartz	Commissioner

### DISTRICT STAFF:

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Peter Rosasco	General Manager
Nicholas Mulick	General Counsel
Shannon McCully	Clerk

### *MISSION STATEMENT:*

*"The Mission of the Key Largo Wastewater Treatment District is to preserve and protect the delicate ecosystem of the Florida Keys while providing exceptional customer service."*

***Please mute cell phones.***

A. CALL TO ORDER	
B. PLEDGE OF ALLEGIANCE	
C. ROLL CALL	
D. AGENDA ADDITIONS, CORRECTIONS, OR DELETIONS	
E. PUBLIC COMMENT	
F. APPROVAL OF MINUTES OF PREVIOUS MEETING	
1. Minutes of April 2, 2024	4
G. GENERAL MANAGER	
H. CUSTOMER SERVICE	
1. Customer Service Report – March 2024	8
I. IT	
J. BUDGET AND FINANCE	
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K. FIELD	
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L. PLANT/FACILITIES	
1. Plant/Facilities Report – March 2024	16
M. CAPITAL PROJECTS	
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N. ENGINEERING

O. LEGAL

P. COMMISSIONER'S ITEMS

Q. ROUNDTABLE

R. ADJOURNMENT

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

Meeting Date:

April 16, 2024

Agenda Item Number: F-1

Action Required:

Yes

Department:

Legal

Sponsor:

Nick Mulick

Subject:

**Minutes of April 2, 2024**

Summary:

Staff will present the minutes of April 2, 2024 board meeting for approval.

## Reviewed / Approved

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

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

Finance: \_\_\_\_\_

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

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

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

## Financial Impact

\$

Funding Source:

N/A

Budgeted:

N/A

## Attachments

1. Minutes

Approved By: \_\_\_\_\_

General Manager

Date: \_\_\_\_\_

4/11/2024



Key Largo Wastewater Treatment District  
103355 Overseas Hwy, Key Largo, FL  
Tuesday, April 2, 2024

## MINUTES

### CALL TO ORDER (A)

Chairman Nicolas Rodriguez called the meeting to order at 4:00 PM.

### PLEDGE OF ALLEGIANCE (B)

Mr. Mike Dempsey led the Pledge of Allegiance.

### ROLL CALL (C)

Present were: Chairman Nicolas Rodriguez; Commissioners Sue Heim, Robert Majeska, and Philip Schwartz

Present Virtually: Commissioner Tim Maloney

Also present; General Manager Peter Rosasco; General Counsel Nicholas Mulick; District Clerk Shannon McCully; Finance Manager Connie Fazio; Plant/Facilities Manager Ryan Dempsey; Field Manager Mike Dempsey; Weiler Engineering Ed Castle; IT Support Manny Santana.

Appeared Virtually: Project Administration and HR Coordinator Laura Weinstock; Lead Plant Operator Jerry Baker; IT Consultant Randy Redmond;

### AGENDA ADDITIONS, CORRECTIONS, OR DELETIONS (D)

*Approval of Agenda (D-1)*

Commissioner Heim requested the addition of item *P-1 Collection System Action Plan*

Commissioner Schwartz requested the addition of item *P-2 Solar System Update*

Chairman Rodriguez requested the addition of item *P-3 Water Bottles*

Commissioner Majeska requested the addition of item *Q-1 Questions about salinity in our system*

**Motion:** Commissioner Heim made a motion to approve the agenda as amended. Commissioner Schwartz seconded the motion. Motion passed without objection.

### PUBLIC COMMENT (E)

No Speakers.

### APPROVAL OF MINUTES (F)

*Minutes of March 19, 2024 (F-1)*

**Motion:** Commissioner Maloney made a motion to approve the minutes of March 19, 2024. Commissioner Heim seconded the motion. Motion passed without objection.

**GENERAL MANAGER (G)**

No report in agenda.

**CUSTOMER SERVICE (H)**

No report in agenda.

**IT (I)**

No report in agenda.

**BUDGET AND FINANCE (J)**

No report in agenda.

**FIELD (K)**

No report in agenda.

**PLANT/FACILITIES (L)**

No report in agenda.

**CAPITAL PROJECTS (M)**

No report in agenda.

**ENGINEERING (N)**

No report in agenda.

**LEGAL REPORT (O)**

*Snapper's Key Largo LLC – 139 Seaside Ave (Reso. 03-2024) (O-1)*

Mr. Mulick presented Resolution 03-2024 imposing an SIC charge.

**Motion: Commissioner Majeska made a motion to adopt Resolution 03-2024.  
Commissioner Maloney seconded the motion.**

**Vote on Motion:**

**Commissioner Majeska– Aye  
Commissioner Maloney – Aye  
Commissioner Schwartz – Aye  
Commissioner Heim – Aye  
Chairman Rodriguez – Aye**

*Conservation Parcel Waiver Request (Reso. 04-2024) (O-2)*

Mr. Mulick presented Resolution 04-2024 a customer's request for waiver of wastewater service for 501 First St. Tavernier FL, AK No. 1546542.

**Motion: Commissioner Majeska made a motion to adopt Resolution 04-2024.  
Commissioner Heim seconded the motion.**

**Vote on Motion:**

**Commissioner Majeska– Aye  
Commissioner Heim – Aye  
Commissioner Schwartz – Aye  
Commissioner Maloney – Aye  
Chairman Rodriguez – Aye**

*Wesley House Family Services Inc – 5 Homestead Ave. (Reso. 05-2024) (O-3)*  
Mr. Mulick presented Resolution 05-2024 imposing an SIC charge.

**Motion:**            **Commissioner Heim made a motion to adopt Resolution 05-2024.**  
                         **Commissioner Schwartz seconded the motion.**

**Vote on Motion:**

**Commissioner Heim – Aye**  
**Commissioner Schwartz – Aye**  
**Commissioner Majeska – Aye**  
**Commissioner Maloney – Aye**  
**Chairman Rodriguez – Aye**

**COMMISSIONER ITEMS (P)**

*Collection System Action Plan (P-1)*

Commissioner Heim requested that Mr. Ed Castle discuss the Collection System Action Plan.

*Solar System Update (P-2)*

Commissioner Schwartz requested an update on the District's solar power system.

*Water Bottles (P-3)*

Chairman Rodriguez requested that the District provide single use water bottles only during hurricane seasons.

**ROUNDTABLE DISCUSSION (Q)**

Commissioner Majeska asked staff how salt water enters the system and how it is measured.

**ADJOURNMENT (R)**

The meeting was adjourned at 6:20 pm.

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Nicolas Rodriguez, Chairman

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Shannon McCully, Clerk

Seal \_\_\_\_\_

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

Meeting Date:

April 16, 2024

Agenda Item Number: H-1

Action Required:

No

Department:

Customer Service

Sponsor:

Connie Fazio

Subject:

**Customer Service Report - March 2024**

Summary:

Ms. Fazio will present the Customer Service monthly report.

## Reviewed / Approved

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

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

Finance: \_\_\_\_\_

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

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

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

## Financial Impact

\$

Funding Source:

N/A

Budgeted:

N/A

## Attachments

1. Monthly Report

Approved By: \_\_\_\_\_

General Manager

Date: \_\_\_\_\_

4/11/2024



# Key Largo Wastewater Treatment District Customer Service Report

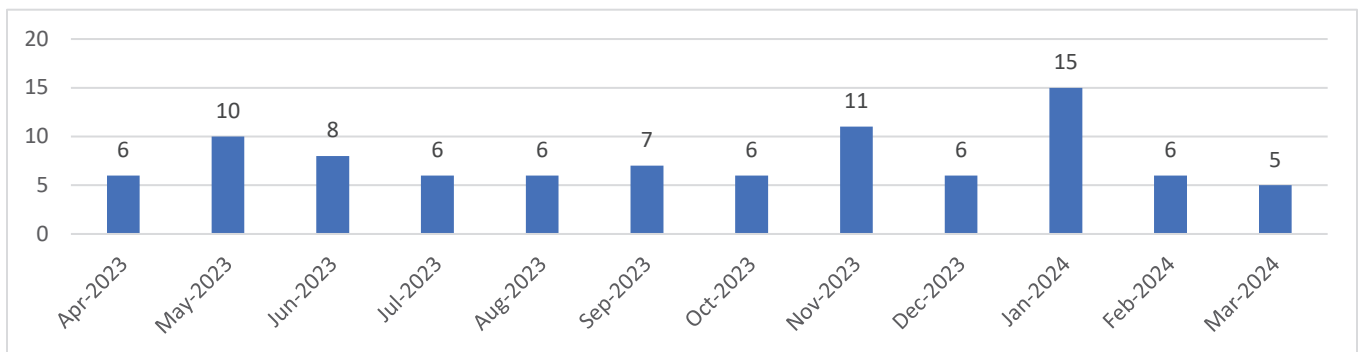
March 2024

The numbers provided are based on customer requests that generated a work order.

## Customer Service Requests

	Total
Billing	18
Demo	5
Field Department	10
MOD	3
NOA	10
Tie In Res	5
Total	51

## Number of Completed Wastewater Connection



## Completed Wastewater Connections Consists of The Following:

- 3 first time connections - Residential
- 2 reconnections - Residential

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

Meeting Date:

April 16, 2024

Agenda Item Number: J-1

Action Required:

No

Department:

Budget and Finance

Sponsor:

Connie Fazio

Subject:

**Budget and Finance Report - March 2024**

Summary:

Ms. Fazio will present the Budget and Finance monthly report.

## Reviewed / Approved

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

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

Finance: \_\_\_\_\_

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

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

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

## Financial Impact

\$

Funding Source:

N/A

Budgeted:

N/A

## Attachments

1. Monthly Report

Approved By: \_\_\_\_\_

General Manager

Date: \_\_\_\_\_

4/11/2024

# March 2024

## Budget and Finance Report

Long-Term Debt Summary	
SRF Loan KLNC 46401P	\$7,943,781.58

	Cash Flow	
	Deposits	Expenditures
Wastewater Billing Deposits Received	\$863,381.29	
Assessment Revenue Received (Non-Ad Valorem & SDC Prepayments)	\$175,540.89	
Islamorada Revenue	\$120,448.95	
Interest Income	\$118,344.75	
Misc. Revenue (includes Stewardship reimbursements)	\$651,455.79	
District Expenditures (checks written)		\$1,413,155.09
Payroll		\$194,830.16
Total:	\$1,929,171.67	\$1,607,985.25

### FKAA Wastewater Revenue Statistics

Date	Number of Customers Billed	WW Revenue Received	Date	Number of Customers Billed	WW Revenue Received
<b>April 2022</b>	10,178 (9,285 Residential 893 Commercial)	\$705,173.78	<b>April 2023</b>	10,141 (9,255 Residential 886 Commercial)	\$603,364.07
<b>May 2022</b>	10,149 (9,256 Residential 893 Commercial)	\$669,021.50	<b>May 2023</b>	10,168 (9,286 Residential 882 Commercial)	\$641,650.94
<b>June 2022</b>	10,141 (9,258 Residential 895 Commercial)	\$443,338.57	<b>June 2023</b>	10,164 (9,281 Residential 883 Commercial)	\$610,223.04
<b>July 2022</b>	10,131 (9,239 Residential 892 Commercial)	\$870,866.27	<b>July 2023</b>	10,140 (9,260 Residential 880 Commercial)	\$644,707.07
<b>August 2022</b>	10,144 (9,246 Residential 898 Commercial)	\$668,479.05	<b>August 2023</b>	10,167 (9,282 Residential 885 Commercial)	\$599,881.28
<b>Sept. 2022</b>	10,119 (9,229 Residential 890 Commercial)	\$624,324.13	<b>Sept. 2023</b>	10,141 (9,258 Residential 883 Commercial)	\$693,024.47
<b>Oct. 2022</b>	10,120 (9,230 Residential 890 Commercial)	\$590,167.00	<b>October 2023</b>	10,158 (9,275 Residential 883 Commercial)	\$570,143.86
<b>Nov. 2022</b>	10,124 (9,233 Residential 891 Commercial)	\$685,127.26	<b>November 2023</b>	10,152 (9,272 Residential 880 Commercial)	\$567,443.79
<b>Dec. 2022</b>	10,114 (9,224 Residential 890 Commercial)	\$628,476.82	<b>December 2023</b>	10,154 (9,275 Residential 879 Commercial)	\$638,428.80
<b>Jan. 2023</b>	10,129 (9,236 Residential 893 Commercial)	\$604,896.94	<b>January 2024</b>	10,160 (9,278 Residential 882 Commercial)	\$534,961.66
<b>Feb. 2023</b>	10,123 (9,239 Residential 884 Commercial)	\$600,360.56	<b>February 2024</b>	FKAA Stats not received as of 4/10/24	\$431,382.57
<b>March 2023</b>	10,148 (9,266 Residential 882 Commercial)	\$655,947.71	<b>March 2024</b>	FKAA Stats not received as of 4/10/24	\$863,381.29
<b>Total Revenue from Apr 2022 through Mar 2023</b>		<b>\$7,746,179.59</b>	<b>Total Revenue from Feb 2023 Through Mar 2024</b>		<b>\$7,398,592.84</b>

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

Meeting Date:

April 16, 2024

Agenda Item Number: K-1

Action Required:

No

Department:

Field Operations

Sponsor:

Mike Dempsey

Subject:

**Field Report - March 2024**

Summary:

Mr. Dempsey will give the Field monthly report.

## Reviewed / Approved

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

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

Finance: \_\_\_\_\_

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

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

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

## Financial Impact

\$

Funding Source:

N/A

Budgeted:

N/A

## Attachments

1. Monthly Report

Approved By: \_\_\_\_\_

General Manager



Date: \_\_\_\_\_

4/11/2024

## Wastewater Field Operations

There were a total of 31 service calls for the month of March, of these 18 were system-generated alarms, mostly by low vacuum detection at a vacuum station. The system-generated alarms were addressed quickly by the field staff. The reports below detail the remaining 13 calls.

Date	Address	Incident	Response	KLWTD Issue
3/6/24	97980 o/s Hwy	Customer reported that the alarm on Her Grinder Pump was going off.	This address is not a part of our Grinder Pump Program, advised the homeowner that She would need to call a plumber. (Private Grinder Pump).	No
3/8/24	64 Jean Lafitte Dr	Customer reported a possible backup at His house.	Tech found that the Pit was not working correctly due to the Controller was bad. Replaced the Controller, simulated the Pit, and put it back in service.	Yes
3/9/24	1516 Aqueduct Lane	Customer called to report a possible back up in His house.	Tech found that a gasket from the Wye body was clogging the Pit. Removed the gasket, simulated the Pit and put it back in service.	Yes
3/9/24	210 Tavernier St	Customer reported that the Storm Drain was covered with a pallet.	Tech called the customer and explained that this belongs to Monroe County Public Works Dept. Mike Dempsey called Public Works Dept and informed them of the problem	No
3/12/24	41 Beach Rd	Customer reported a possible back up in His downstairs.	Tech found that everything was working as it should, Advised the homeowner that He would need to call a plumber. (Homeowner Issue).	No
3/12/24	125 Coconut Row.	Customer reported a possible back up in His house.	Tech simulated the Pit and found the Valve was bad, Replaced the Valve, simulated the Pit and put it back in service.	Yes
3/15/24	9 Poinciana Dr	Customer reported a possible back up in His house.	Tech found that everything was working as should, advised the Homeowner that He would need to call a plumber (Homeowner Issue).	No

3/18/24	105240 o/s Hwy	Customer reported a possible back up in His house.	Tech simulated the Pit and found everything to be working as it should. Advised the homeowner that He would need to call a plumber. (Homeowner Issue).	No
3/20/24	52 Buttonwood Dr	Customer called to report a sewer odor and a Pit that was making loud noises	Tech responded and found that the Pit was hung open due to debris inside the wye body. Tech removed the debris, simulated the Pit and put it back in service.	Yes
3/21/24	926 Lobster Lane	Customer reported that the Pit in front of His house was making noises	Tech found that another service truck had already responded and found a rock stuck in the valve and made necessary repairs.	Yes
3/26/24	557 Gordon circle	Customer reported that His clean out was overflowing.	Tech simulated the Pit and found that the Surge Suppressor was dirty, cleaned the Surge, simulated the Pit and put it back in service.	Yes
3/27/24	254 Bay Dr	Customer called to report a sewage odor from the drains in Her house.	Tech simulated the Pit, and it was working as it should. Tech could not detect an odor at this time, advised the Homeowner that She might have a venting problem and She would need to call a plumber. (Homeowner Issue).	No
3/29/24	672 Dolphin Ave	Customer reported that there is a puddle every morning in front of Breather in front of His house.	Tech simulated the Pit and found that everything was working as it should. Advised the Homeowner that the Pit was working correctly and nothing was leaking onto the ground	No

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

Meeting Date:

April 16, 2024

Agenda Item Number: L-1

Action Required:

No

Department:

Plant/Facilities

Sponsor:

Ryan Dempsey

Subject:

**Plant/Facilities Report - March 2024**

Summary:

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

## Reviewed / Approved

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

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

Finance: \_\_\_\_\_

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

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

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

## Financial Impact

\$

Funding Source:

N/A

Budgeted:

N/A

## Attachments

1. Monthly Report

Approved By: \_\_\_\_\_

General Manager



Date: \_\_\_\_\_

4/11/2024



# Wastewater Treatment Plant Operations

The wastewater treatment plant processed an average of 2.2 million gallons of influent per day (MGD). The Treatment Plant remains in compliance with the Florida Department of Environmental Protection (FDEP) guidelines.

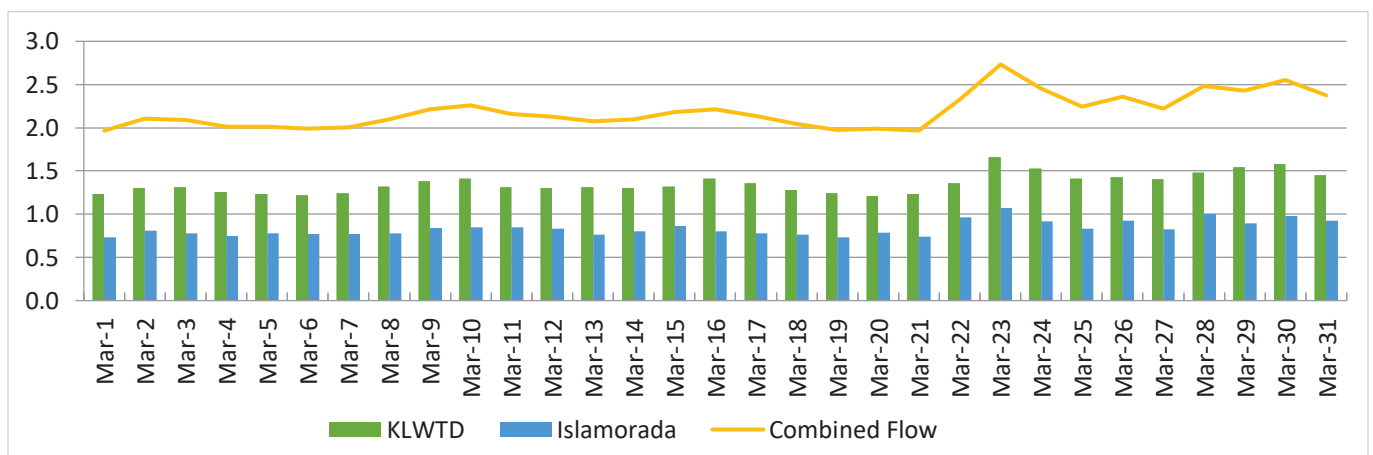
## Effluent Quality Reports (mg/L)

Determines the quality of discharge from the wastewater treatment plant.

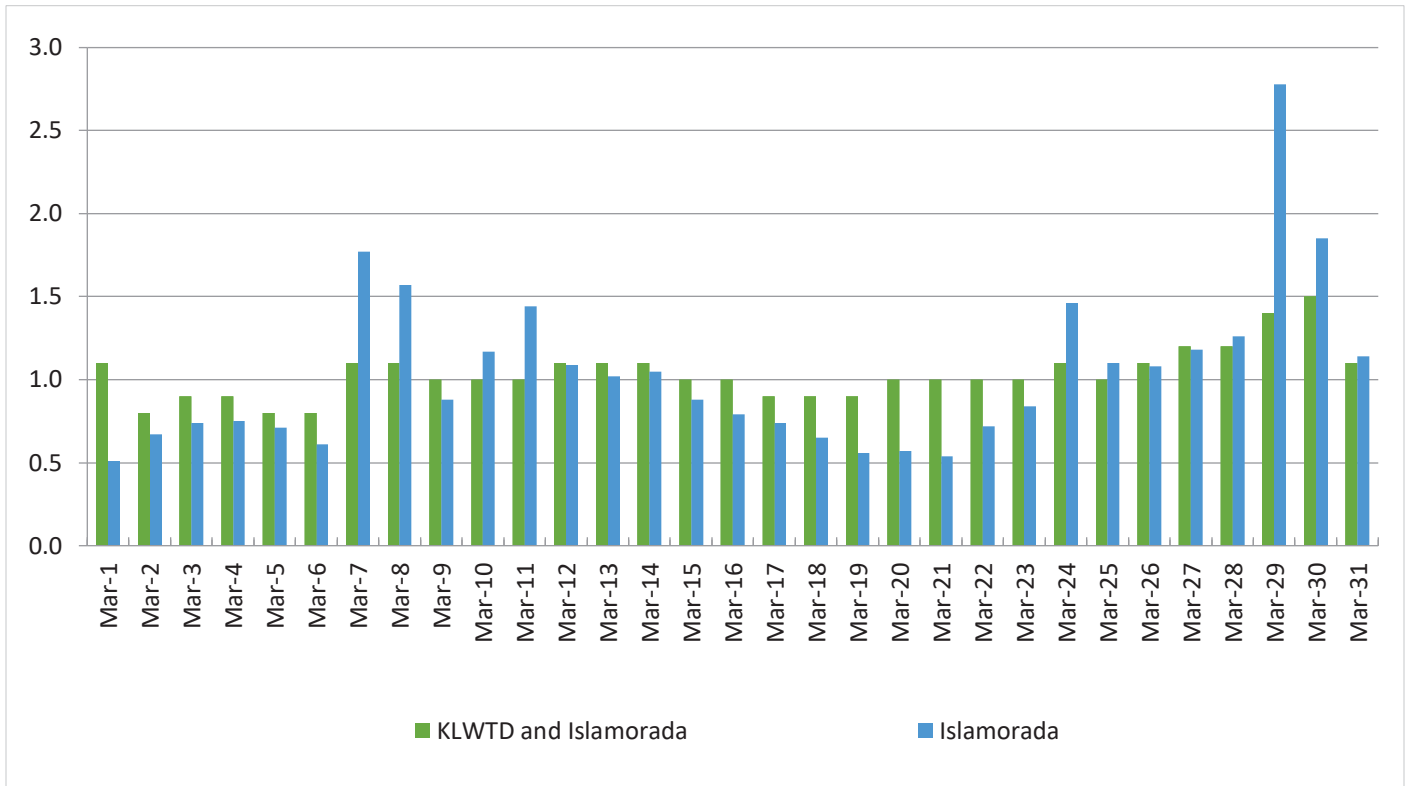
Effluent Quality Report	March 2024 Plant Performance	12 Month Average Plant Performance	Effluent Limits
<b>CBOD5</b> (Carbonaceous Biochemical Oxygen Demand)	1	1.6	5
<b>TSS</b> (Total Suspended Solids)	.9	1.6	5
<b>TN</b> (Total Nitrogen)	2.7	2.6	Report only
<b>TP</b> (Total Phosphorous)	.8	.7	Report 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: .810 MGD  
 Highest Daily Flow: 1.1 MGD  
 Monthly Peak Salinity: 2.8 PPT  
 Days over 4.0 PPT Salinity: 0  
 3-month average of flow capacity (1.104 MGD): 67%



## Plant WAS Line Replacement









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

Meeting Date:

April 16, 2024

Agenda Item Number: M-1

Action Required:

No

Department:

Capital Projects

Sponsor:

Ed Castle

Subject:

**Capital Projects Report - March 2024**

Summary:

The Capital Projects monthly report will be presented.

## Reviewed / Approved

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

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

Finance: \_\_\_\_\_

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

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

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

## Financial Impact

\$

Funding Source:

N/A

Budgeted:

N/A

## Attachments

1. Monthly Report

Approved By: \_\_\_\_\_

General Manager



Date: \_\_\_\_\_

4/11/2024

# Key Largo Wastewater Treatment District Capital Projects Report

Including updates through March 2024

## Current Capital Projects

Project	Original Contract Amount	Current Contract Amount (Including Direct Purchases, change orders and amendments)	Engineering And Other Cost (Anticipated)	Total Project Cost (Anticipated)
Vacuum Stations Modifications	\$ 3,155,800.00	\$3,155,800.00	\$175,000.00	\$3,330,800.00
	Engineering Paid to Date	Construction Paid to Date	Balance to Complete (Anticipated)	
	\$109,352.50	\$1,020,304.46	\$2,201,143.04	

- The VPS modifications project was awarded to Reynolds Construction in the amount of \$3,155,800.00. The Agreement and the Notice to Proceed were both executed on May 18, 2023.
- Reynolds replaced effluent plug and check valves at Vacuum Station J/K during an overnight shutdown on March 7, 2024.
- Reynolds successfully replaced ductile iron tee tree with PVC fittings at Vacuum Station D on March 14, 2024. Additional work during shutdown included replacing stainless steel check valve and PVC butterfly valve.
- On March 21, 2024, Reynolds performed an overnight shutdown at Vacuum Station D where they replaced the effluent plug and check valves.
- Influent valves at Vacuum Station D were replaced during an overnight shutdown on March 25, 2024.
- Benson Electric, electrical sub-contractor, has been working on installing conduit at all Vacuum Stations. All conduit has been installed at Vacuum Station I.
- Progress meetings were held on March 13 and 21.

Project	Original Contract Amount	Current Contract Amount (Including Direct Purchases, change orders and amendments)	Engineering And Other Cost (Anticipated)	Total Project Cost (Anticipated)
Collection System Monitoring	\$7,575,677.00	\$9,581,965.61	\$718,176.00	\$10,300,141.61
	Engineering Paid to Date	Construction Paid to Date	Balance to Complete (Anticipated)	
	\$557,517.50	\$6,513,432.88	\$3,229,191.23	

- Work was completed in Basins A, B, D, G, H, I, and J/K.
- Current Status:
  - Basin A: **293** installed (Basin complete)
  - Basin B: **383** installed (Basin complete)
  - Basin C: **0** installed (Basin not yet started)
  - Basin D: **240** installed (Basin complete)
  - Basin E: **76** installed (Basin in progress)
  - Basin F: **329** installed (Basin in progress)
  - Basin G: **231** installed (Basin complete)
  - Basin H: **45** installed (Basin complete)
  - Basin I: **31** installed (Basin in progress)
  - Basin J/K: **0** installed (Basin not yet started)
  - Total project installed: **1,628** out of **2,984**
  - **Project is 54.56 % complete**
- Construction progress meetings were held on March 12 and March 26, 2024.
- During March Basin I installations were completed, and Flovac and IVC began working in Basin J/K at the end of March.
- Punchlist walkthrough for Basin E1, E2, F, and I will be completed once restorations are complete.
- Existing pole for the C-905 gateway is in an ideal location for grinder pump monitoring. Pole was identified as belonging to FKEC and has been abandoned. KLWTD is working on acquiring the pole from FKEC.

Project	Original Contract Amount	Current Contract Amount (Including Direct Purchases, change orders and amendments	Engineering And Other Cost (Anticipated)	Total Project Cost (Anticipated)
Effluent Filtration Upgrades	\$ 3,043,820.00	\$3,043,820.00	\$207,250.00	\$3,251,070.00
	Engineering Paid to Date	Construction Paid to Date	Balance to Complete (Anticipated)	
	\$266,396.25	\$1,868,084.08	\$1,116,589.67	

- The Effluent Filtration Upgrades project was awarded to Reynolds Construction in the amount of \$3,043,820.00 on May 15, 2023.
- Progress meetings were held on March 13 and March 21.
- During March, Reynolds construction continued coating the elevated platform using a 3-part Tnemec coating system. Reynolds also began excavating pipe support pads to prepare for delivery of piping materials.
- Benson Electric, electrical subcontractor, started pulling power and control wires to MCC and DCU-1.



Project	Original Contract Amount	Current Contract Amount (Including Direct Purchases, change orders and amendments	Engineering And Other Cost (Anticipated)	Total Project Cost (Anticipated)
Keys Holdings LLC Pump Station Replacement	\$ 375,555.75	\$375,555.75	\$15,000.00	\$390,555.75
	Engineering Paid to Date	Construction Paid to Date	Balance to Complete (Anticipated)	
	\$7,257.50	\$50,708.25	\$332,590.00	

- The District piggybacked on a Marathon bid and awarded the Keys Holdings LLC project to Tropical Underground Contracting, LLC in the amount of \$375,555.75.
- In February, Tropical Underground revealed existing underground conditions that differed from the expected conditions and Tropical proposed change order options to WEC.
- WEC reviewed the confirmed existing conditions and provided Tropical with an updated proposed site layout.
- Tropical underground and WEC have since been in discussion regarding how to proceed with construction. WEC has sent a revised plan set to address the unknown underground conditions and is awaiting a response from Tropical Underground as to the impact on the schedule and cost for the project.
- Tropical Underground has stated they will start installation of the pump station and routing of piping in May.

### Upcoming Construction Projects

Project	Estimated Total Cost	Status
<b>Upgrades of Odor Control at All Vacuum Stations and Upgrade of the Generators at Vac A and Vac D.</b>	\$1,200,000 (Anticipated)	Weiler Engineering has been directed to proceed with this project in phases, with Vacuum Stations A and D being the first phase. The design of the odor control upgrades, including structural components and site plans continues. Preliminary plan sets have been created for Vacuum Stations A, D, E, G, I, and J/K. A meeting with the Archdiocese was held on January 16 <sup>th</sup> and a decision was made to extend the easement at Vacuum Station A. The Archdiocese has agreed to expanding the easement, subject to their suggested terms and conditions. These are currently under review by the District.
<b>Power Conditioning, Lightning Protection &amp; Wiring Upgrades at WWTP</b>	\$3,563,376 (Anticipated)	This project will provide protection from transient surges in power that can damage equipment and potentially cause overflows or inadequate treatment at the WWTP. Installation of a lightning protection system at the WWTP to further reduce the potential impacts due to electrical surges will also be included as part of the project scope. Upgrades to the existing power and instrumentation wiring at the WWTP includes the use of non-corrosive materials and moving wiring above-ground to prevent corrosion and failure. Weiler Engineering's Electrical Engineer conducted a site visit on January 18 <sup>th</sup> and began updating the electrical design and specifications for the project. A preliminary plan set is underway. This project is grant funded.
<b>Direct Potable Reuse Demonstration Project</b>	\$1,504,301.25 (Anticipated)	The District has budgeted funds for a demonstration project to produce potable water from the WWTP's treated effluent. 2021 Florida legislation established Direct Potable Reuse (DPR) as a preferred effluent disposal method and provides for DPR projects to be eligible for grant funding, treating WWTP effluent as an Alternative Water Supply. The District has applied for a planning grant for this project and has requested grant funding to be allocated for the design, permitting, and construction of the DPR demonstration project. Initial estimates indicate that the volume of water produced in the DPR demonstration project would be in the range of 150,000 to 250,000 GPD.

<b>Grinder Pump Lateral Kits Replacement Project</b>	\$590,625.00 (Anticipated)	<p>This project is included in the District's FY24 budget. This project includes installing the new 316 stainless steel lateral kits at a shallower depth and in meter boxes, allowing easy access without excavation for service and replacement. This project's design has been completed and was approved for bidding by the Board on February 20<sup>th</sup>, 2024. The Pre-Bid meeting was held on March 7<sup>th</sup>, 2024 and WEC is currently awaiting bids from contractors. Bids were due on March 28, 2024. Two bids were received. One bidder was found to be non-responsive, and the other bid exceeded the available funding for the project. It has been recommended both bids are to be rejected, and the project re-bid.</p>
<b>EQ Tank and Headworks Project</b>	\$4,500,000 (Anticipated)	<p>The EQ Tank and Headworks Project involves the installation of a new headworks as an upgrade to the current headworks at the KLWTD WWTP. This project also involves the installation of an influent EQ tank to regulate flow. This project is currently in the design phase with preliminary site plans and structural drawings for the EQ tank. Shop drawings have been received from Hydrodyne and a center flow screen has been selected for the headworks screening, which will reduce the footprint of the headworks space and has a higher catch rate and efficiency than the existing headworks.</p>
<b>Blower Room Modifications Project</b>	\$250,000 (Anticipated)	<p>The KLWTD staff has requested the addition of an access door behind blower #4 to better service the blower. Currently, the other blowers must be removed in order to access blower #4. These modifications will allow for more efficient service of the blowers. This project is currently in the preliminary design phase.</p>

## Select Photos from Current March Projects



**Effluent Filtration Upgrades Project:** Coating of the 4" drainage pad at the injection well pumps





**Effluent Filtration Upgrades Project:** Coat 2 of 3 on the elevated platform



**Effluent Filtration Upgrades Project:** Front of elevated platform



**Vacuum Stations Modifications Project:** Effluent valves and manifolds assembled and prepared for installation as part of the March 21, 2024 shutdown at Vacuum Station D