

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

Meeting Date:  
June 2, 2026

Agenda Item Number: G-2

Action Required:  
Yes .

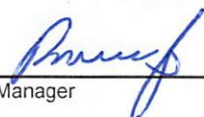
Department: Capital Projects                      Sponsor: Robert Mather

Subject:  
**Collection System Monitoring CO #8**

Summary of Discussion:

Change Order #8 is being presented for approval of the following: addition of necessary parts and field work to support the completion of the collection monitoring system, reconciling FLOVAC monitoring system service agreement costs for work completed outside of the contract warranty period, reconciling of parts previously purchased by KLWTD, purchase of additional service parts identified by KLWTD staff, and a contract time extension of 90 additional days.

<u>Reviewed / Approved</u>	<u>Financial Impact</u>	<u>Attachments</u>
Operations: _____	\$ 204,076.76	1. Change Order 8 Memo 2. Schedule of Values 3. Change Order Form
Administration: _____	Expense	
Finance: _____	Funding Source:	
District Counsel: _____	Grant(s)	
District Clerk: _____	Budgeted:	
Engineering: _____	Yes	

Approved By:                       Date: 5-28-26  
General Manager



## Memorandum

Date: May 27, 2026  
To: Peter Rosasco, General Manager  
From: Robert Mather, P.E.  
Regarding: KLWTD Collection System Monitoring Project Change Order No. 8

The Collection System Monitoring Project is nearing completion. The remaining work consists of finishing the force main pressure monitoring and the installation of gateways. The Project originally included continuing service and support for the Flovac monitoring system as part of the original project implementation. That initial service period has since expired on August 2024; however, Flovac has continued providing monitoring support, training, software support, nuisance alarm review, system coordination, and related assistance while the formal service agreement was being finalized.

Apex has reviewed the contract documents and the warranty provisions and found that a majority, but not all, of the work conducted falls within the warranty provisions. The team has reviewed basin by basin along with the pressure monitoring substantial completion dates and determined the extents of work in which Flovac had operated within a service contract capacity, outside of a warranty period. In all, this resulted in \$24,433.75 of work completed under the service contract. The annual service agreement line item included in Change Order No. 8 represents back pay for the work completed in basins outside of the warranty period.

In addition to the service agreement back pay, this change order includes:

- Additional valve rebuild kits and valve rebuild installation for 200 valves.
- Additional parts required for valve rebuild work.
- Vacuum sensors for a private community.
- Additional low-pressure monitoring locations.
- Pedestal and conduit installation for monitoring equipment.
- Additional maintenance and service parts required to support the monitoring system including reconciliation of parts which have already been purchased by KLWTD field staff, and new parts to be stocked by KLWTD.
- A 90-day contract time extension, revising the proposed substantial completion date from April 22, 2026 to July 21, 2026.

The total amount of Change Order No. 8 is \$204,076.76. Approval of this change order will reconcile prior service support, fund the remaining parts and field items needed for successful system completion.

**KLWTD Collection System Monitoring COB**

Item No.	Item Description	Current Scheduled Qty	Installed Scheduled Qty (from Plovac)	Over/ Under (some items still in progress)	New Proposed Qty	Unit Price	Current Scheduled Value	Proposed Scheduled Value	Net Change	Notes
<b>General Conditions</b>										
1.01	Mobilization	1.00	1.00	-	1.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ -	
1.01	Bonds and Insurance	1.00	1.00	-	1.00	\$ 195,000.00	\$ 195,000.00	\$ 195,000.00	\$ -	
<b>Gateway System</b>										
2.01	Installation of Gateway System	10	10	-	10.00	\$ 6,500.00	\$ 65,000.00	\$ 65,000.00	\$ -	
<b>Basin D</b>										
6.01	Installation of monitoring system in Standard Pit	232	232	-	232.00	\$ 474.68	\$ 110,125.76	\$ 110,125.76	\$ -	
6.02	Installation of monitoring system in Buffer Tank	8	8	-	8.00	\$ 140.60	\$ 1,124.80	\$ 1,124.80	\$ -	
6.03	Relocate controllers into air pedestals, provide all necessary connect	232	232	-	232.00	\$ 150.00	\$ 34,800.00	\$ 34,800.00	\$ -	
<b>Basin E</b>										
7.01	Installation of monitoring system in Standard Pit	308	308	-	308.00	\$ 474.68	\$ 146,201.44	\$ 146,201.44	\$ -	
7.02	Install District Supplied Air Intake Pedestal In phase 0 locations	225	225	-	225.00	\$ 225.00	\$ 50,625.00	\$ 50,625.00	\$ -	
7.04	Installation of monitoring system in Buffer Tank	3	3	-	3.00	\$ 140.60	\$ 421.80	\$ 421.80	\$ -	
7.03	Relocate controllers into air pedestals, provide all necessary connect	308	308	-	308.00	\$ 150.00	\$ 46,200.00	\$ 46,200.00	\$ -	
<b>Basin F</b>										
8.01	Installation of monitoring system in Standard Pit	338	338	-	338.00	\$ 474.68	\$ 160,441.84	\$ 160,441.84	\$ -	
8.02	Installation of monitoring system in Buffer Tank	6	6	-	6.00	\$ 140.60	\$ 843.60	\$ 843.60	\$ -	
8.03	Relocate controllers into air pedestals, provide all necessary connect	338	338	-	338.00	\$ 150.00	\$ 50,700.00	\$ 50,700.00	\$ -	
<b>Basin G</b>										
9.01	Installation of monitoring system in Standard Pit	221	221	-	221.00	\$ 474.68	\$ 104,904.28	\$ 104,904.28	\$ -	
9.02	Installation of monitoring system in Buffer Tank	13	13	-	13.00	\$ 140.60	\$ 1,827.80	\$ 1,827.80	\$ -	
9.03	Relocate controllers into air pedestals, provide all necessary connect	221	221	-	221.00	\$ 150.00	\$ 33,150.00	\$ 33,150.00	\$ -	
<b>Basin H</b>										
10.01	Installation of monitoring system in Standard Pit	27	27	-	27.00	\$ 474.68	\$ 12,816.36	\$ 12,816.36	\$ -	
10.02	Installation of monitoring system in Buffer Tank	9	9	-	9.00	\$ 140.60	\$ 1,265.40	\$ 1,265.40	\$ -	
10.03	Relocate controllers into air pedestals, provide all necessary connect	27	27	-	27.00	\$ 150.00	\$ 4,050.00	\$ 4,050.00	\$ -	
<b>Basin I</b>										
11.01	Installation of monitoring system in Standard Pit	227	227	-	227.00	\$ 474.68	\$ 107,752.36	\$ 107,752.36	\$ -	
11.02	Installation of monitoring system in Buffer Tank	3	3	-	3.00	\$ 140.60	\$ 421.80	\$ 421.80	\$ -	
11.03	Relocate controllers into air pedestals, provide all necessary connect	227	227	-	227.00	\$ 150.00	\$ 34,050.00	\$ 34,050.00	\$ -	
<b>Basin JK</b>										
12.01	Installation of monitoring system in Standard Pit	443	443	-	443.00	\$ 474.68	\$ 210,283.24	\$ 210,283.24	\$ -	
12.02	Installation of monitoring system in Buffer Tank	16	16	-	16.00	\$ 140.60	\$ 2,249.60	\$ 2,249.60	\$ -	
12.03	Relocate controllers into air pedestals, provide all necessary connect	443	443	-	443.00	\$ 150.00	\$ 66,450.00	\$ 66,450.00	\$ -	
<b>Site Restoration</b>										
15.01	Asphalt Restoration around pit where required	36226.18	36226.18	-	36,226.18	\$ 7.06	\$ 255,756.85	\$ 255,756.85	\$ -	
15.02	Sod Restoration around pit as required	2806	2806	-	2,806.00	\$ 3.78	\$ 10,606.68	\$ 10,606.68	\$ -	
15.03	Gravel Restoration around pit as required	90428.76	90428.76	-	90,428.76	\$ 4.79	\$ 433,153.76	\$ 433,153.76	\$ -	
<b>Additive Alternate-Optional Items</b>										
16.02	Annual Service Agreement for System Maintenance & Support	2	2	-	2.00	\$ 75,000.00	\$ 150,000.00	\$ 150,000.00	\$ -	
<b>Change Order 1</b>										
17.00	Vent Extension	545	545	-	545.00	\$ 125.00	\$ 68,125.00	\$ 68,125.00	\$ -	
17.01	Partial Base Chipping and Replacement	324	324	-	324.00	\$ 137.50	\$ 44,550.00	\$ 44,550.00	\$ -	
17.02	Full Base Chipping and Replacement	161	161	-	161.00	\$ 258.00	\$ 41,538.00	\$ 41,538.00	\$ -	
17.03	Galvanized Support Rod	2655	2655	-	2,655.00	\$ 93.50	\$ 248,242.50	\$ 248,242.50	\$ -	
<b>Change Order 2</b>										
<b>Basin A</b>										
3.01	Installation of monitoring system in Standard Pit	316	316	-	316.00	\$ 474.68	\$ 149,998.88	\$ 149,998.88	\$ -	
3.03	Installation of monitoring system in Buffer Tank	5	5	-	5.00	\$ 140.60	\$ 703.00	\$ 703.00	\$ -	
3.02	Relocate controllers into air pedestals, provide all necessary connect	316	316	-	316.00	\$ 150.00	\$ 47,400.00	\$ 47,400.00	\$ -	
<b>Basin B</b>										
4.01	Installation of monitoring system in Standard Pit	376	376	-	376.00	\$ 474.68	\$ 178,479.68	\$ 178,479.68	\$ -	
4.02	Installation of monitoring system in Buffer Tank	3	3	-	3.00	\$ 140.60	\$ 421.80	\$ 421.80	\$ -	
4.03	Relocate controllers into air pedestals, provide all necessary connect	376	376	-	376.00	\$ 150.00	\$ 56,400.00	\$ 56,400.00	\$ -	
<b>Change Order 3</b>										

Basin C									
5.01	Installation of monitoring system in Standard Pit	411	411	411.00	\$ 474.68	\$ 195,093.48	\$ 195,093.48	\$ -	-
5.02	Installation of monitoring system in Buffer Tank	10	10	10.00	\$ 140.60	\$ 1,406.00	\$ 1,406.00	\$ -	-
5.03	Relocate controllers into air pedestals, provide all necessary connect	411	411	411.00	\$ 150.00	\$ 61,650.00	\$ 61,650.00	\$ -	-
Grinder Pump, Pump Station & Foremain Monitoring									
14.01	Grinder Pump/Pumpstation Monitoring	149	149	149.00	\$ 409.81	\$ 61,061.69	\$ 61,061.69	\$ -	-
14.02	Foremain Pressure Sensor	30	30	30.00	\$ 220.72	\$ 6,621.60	\$ 6,621.60	\$ -	-
Change Order 4									
18.01	Rebuild Kits	2900	2900	2,900.00	\$ 179.27	\$ 519,883.00	\$ 519,883.00	\$ -	-
18.02	Rebuild and Install Valve	2900	2900	2,900.00	\$ 202.37	\$ 586,873.00	\$ 586,873.00	\$ -	-
18.03	Additional Parts	50893.34	50893.34	50,893.34	\$ 1.00	\$ 50,893.34	\$ 50,893.34	\$ -	-
Change Order 5									
19.01	Rebuild Kits Direct Purchase by KLVWTD	2900	2900	2900	\$ (179.27)	\$ (519,883.00)	\$ (519,883.00)	\$ -	-
Change Order 6									
20.01	FM Pressure Taps	30	30	30	\$ 3,166.67	\$ 95,000.00	\$ 95,000.00	\$ -	-
20.02	Additional Gateways	3	3	3	\$ 15,000.00	\$ 45,000.00	\$ 45,000.00	\$ -	-
Change Order 7									
21.01	Gateways	3	3	3	\$ 30,000.00	\$ 90,000.00	\$ 90,000.00	\$ -	-
21.02	Additional Bonds & Insurance from Contract Extension	1	1	1	\$ 207,522.10	\$ 207,522.10	\$ 207,522.10	\$ -	-
Change Order 8									
22.01	Additional Valve Rebuild Kits	0	0	200	\$ 179.27	\$ -	\$ 35,854.00	\$ -	Included in CO 8
22.02	Additional Rebuild and Install	0	0	200	\$ 202.37	\$ -	\$ 40,474.00	\$ -	Included in CO 8
22.03	Additional Parts for Valve Rebuilds	0	0	1	\$ 11,583.52	\$ -	\$ 11,583.52	\$ -	Included in CO 8
22.04	Vacuum Sensors for Private Community	0	0	3	\$ 2,426.18	\$ -	\$ 7,278.54	\$ -	Included in CO 8
22.05	Additional Low-Pressure Monitoring	0	0	7	\$ 2,000.00	\$ -	\$ 14,000.00	\$ -	Included in CO 8
22.06	Post Warranty Service Agreement for Maintenance & Support	0	0	1	\$ 24,433.75	\$ -	\$ 24,433.75	\$ -	Included in CO 8
22.07	Pedestal and Conduit Install up to 5ft with Native Backfill	0	0	3	\$ 750.00	\$ -	\$ 2,250.00	\$ -	Included in CO 8
22.08	Additional Maintenance and Service Parts	0	0	68202.95	\$ 1.00	\$ -	\$ 68,202.95	\$ -	Included in CO 8
<b>TOTALS</b>							<b>\$ 4,677,202.44</b>	<b>\$ 4,881,279.20</b>	<b>\$ 204,076.76</b>

**SECTION 00950  
CHANGE ORDER FORM**

<p>CONTRACTOR ("Contractor"): Flovac Inc.</p>	<p>CHANGE ORDER No. 8 PROJECT TITLE: <b>KLWTD Collection System Monitoring Project</b> PROJECT No. 03105.078:130</p>
<p>OWNER: Key Largo Wastewater Treatment District (Owner), or (District)</p>	<p>ENGINEER: Apex Companies, LLC 6805 Overseas Hwy Marathon, Florida 33050</p>
<p>DATE OF ISSUE: June 2nd, 2026</p>	<p>EFFECTIVE DATE: June 2nd, 2026, contingent upon approval by the District's Board of Commissioners.</p>
<p><b>Description of Work to be Performed:</b> The Contractor is hereby authorized and directed to perform the following Work, generally described as: Addition of: Valve rebuild kits and installation, 3 sensors for the Colusa Village Community and the purchase of additional valve components for the rebuild and servicing of valves. It is understood all purchased items, materials, and equipment are solely owned by the District. The Contractor shall be responsible for delivery and acceptance of the equipment and materials on behalf of the District and shall retain full responsibility and liability for all aspects of the work as defined in the Contract Documents.</p> <p><b>Reason for Change:</b> To add additional valves and parts to the contract as well as reconcile outstanding costs associated with continued work on the service contract.</p> <p><b>Attachments: Schedule of Values and Memo</b></p> <p><b>Total Proposed Changes in Contract Price and Contract Time for this Change Order</b></p>	
<p>Increase (decrease) in Contract Price:  <b>\$ 204,076.76</b></p>	<p>Increase (decrease) in Contract Time (Calendar days):  <b>90 Days</b></p>
<p><b>Acknowledgments:</b> The aforementioned change, and work affected thereby, is subject to and governed by all provisions of the original Agreement and RFP. It is expressly understood and agreed that the approval of this Change Order shall have no effect on the original Agreement, including all GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, and STANDARD SPECIFICATIONS, other than matters expressly provided herein.</p> <p>This Change Order constitutes full and mutual accord and satisfaction for the adjustment of the Contract Price and Contract Time as a result of increases or decreases in cost and time of performance caused directly and indirectly from the change. Acceptance of this Change Order constitutes an agreement between OWNER and CONTRACTOR that the Change Order represents an equitable adjustment to the Agreement and that CONTRACTOR shall waive all rights to file a Contract Claim or claim of any nature on this Change Order. Execution of this Change Order shall constitute CONTRACTOR's complete acceptance and satisfaction that it is entitled to no more costs or time (direct, indirect, impact, etc.) pursuant to this Change Order. Owner may require consent of the Contractor's surety, if any, to the terms of this Change Order.</p>	
<p><b>Original Contract Price: \$2,000,000.00</b></p>	<p><b>Original Contract Time: 790 Days (calendar days or dates)</b></p>

<b>SUMMARY OF PRIOR CHANGE ORDERS</b>			
<b>C-O No.</b>	<b>Description of Change</b>	<b>Change in Contract Price</b>	<b>Change in Contract Time</b>
1	Change order No.1. Repair of concrete pads, extension of vent pipes in flood prone areas, and addition of galvanized support rods	\$ 506,600.00	0 Days
2	Change order No.2. Work in Basin A and Basin B	\$ 423,611.36	0 Days
3	Basin C and Grinder Pump Monitoring	\$ 659,596.20	60 Days
4	Valve Rebuilds	\$ 1,499,688.25	549 Days
5	Valve Rebuild Kits (Deductive)	\$ (519,883.00)	0 Days
6	Balancing Change Order 6	\$ (0.67)	0 Days
7	Balancing Change Order 7	\$ 107,590.30	0 Days
<b>TOTAL OF ALL PRIOR CHANGES</b>		<b>\$ 2,677,202.44</b>	<b>609 Days</b>
<b>CURRENT CONTRACT PRICE AND TIME (Adjusted by Prior Change Orders BUT before adjusting for this Change Order)</b>		<b>\$ 4,677,202.44</b>	<b>1,399 Days</b>
<b>NEW CONTRACT PRICE AND TIME (Adjusted by Prior Change Orders AND this Change Order)</b>		<b>\$ 4,881,279.20</b>	<b>1,489 Days</b>
<b>Original Contract Substantial Completion Date: 8/21/2024</b>		<b>New Contract Substantial Completion Date: 07/21/2026</b>	
<b>APPROVAL AND CHANGE ORDER AUTHORIZATION</b>			
Contractor: <u>Flovac, Inc.</u>  _____ By (Signature)  <u>Mike Pringle, Director of Operations</u> (Printed Name and Title of Officer)  _____ (Date)		Owner: <u>Key Largo Wastewater Treatment District</u>  _____ By (Signature)  <u>Peter Rosasco, General Manager</u> (Printed Name and Title of Officer)  (Date) _____	
ATTEST: _____ (Secretary)  (Corporate Seal)		ATTEST: _____ District Clerk  (Seal)	