

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

Meeting Date:
April 15, 2025

Agenda Item Number: M-2

Action Required:
Yes

Department:
Capital Projects

Sponsor:
Steve Suggs

Subject:
KLWTD Power Conditioning Project Change Order #1

Summary of Discussion:

The Change Order #1 for the power conditioning project will be presented to the board for approval. The change order consists of an emergency generator cam-lock hookup to allow for the use of a mobile generator, cables for temporary generator connections and an additional switch board for additional safety to isolate the SureVolt.

Reviewed / Approved

Financial Impact

Attachments

Operations: _____
Administration: _____
Finance: _____
District Counsel: _____
District Clerk: _____
Engineering: _____

\$ 533,360.20
Expense
Funding Source:
Grant(s)
Budgeted:
No

1. Memo
2. Change Order Form #1

Approved By: 
General Manager

Date: 04/10/2025



MEMORANDUM

To: Peter Rosasco, General Manager
From: EOR
Date: April 15, 2025
Re: KLWTD Power Conditioning & Electrical Upgrades Project

1. Switch Panel for SureVolt Isolation

A dedicated switch panel will be installed to allow for the isolation of the SureVolt system during maintenance and repair activities. This measure will:

- Improve safety for maintenance personnel by eliminating the risk of accidental electrical exposure.
- Provide a controlled and streamlined process for system servicing.
- Reduce downtime and improve operational efficiency.

2. Addition of Cam-Lock Panel for Mobile Generator Connection

To ensure continuous operations in the event of a power failure from both the grid and the on-site generator, a cam-lock panel will be installed. This panel will:

- Allow for quick and secure connection of a mobile generator.
- Ensure seamless power restoration during extended outages or unexpected generator failures.
- Enhance overall plant reliability and operational resilience.

3. Temporary Generator Power Cables for Mobile Generator

To ensure continuous operations in the event of a power failure from both the grid and the on-site generator, these cables will allow for the connection of a mobile generator.

- Allow for connection to a large rental generator without the hassle of renting cables to fit cam lock box.
- Ensures connections is correctly configured for the plant to get up and running as quickly as possible.
- Enhance the overall plant reliability by allowing for operation when both grid and generator power fails.

Conclusion:

The implementation of these measures will significantly improve the WWTP's ability to withstand and recover from electrical and power-related disruptions. These upgrades will enhance operational safety, reliability, and efficiency, ensuring uninterrupted wastewater treatment services.

**SECTION 00950
CHANGE ORDER FORM**

CONTRACTOR ("Contractor"): Pedro Falcon Contractors, Inc.	CHANGE ORDER No. 1 PROJECT TITLE: KLWTD Power Conditioning & Electrical Upgrades PROJECT No. 03105.086:151
OWNER: Key Largo Wastewater Treatment District ("Owner" or "District")	ENGINEER': Weiler Engineering 6805 Overseas Hwy Marathon, Florida 33050
DATE OF ISSUE: April 15, 2025	EFFECTIVE DATE: <u>April 15, 2025</u> , contingent upon approval by the District's Board of Commissioners. Contractor shall commence work only after receipt of notification to proceed by the District's Contract Manager.
<p>Description of Work to be Performed: The Contractor is hereby authorized and directed to perform the following Work, generally described as: Provide and install additional 2500A 3P NEMA3R Switchboard required by safety and Sure Volt installation requirements, also provide and install 4" Raceways between, provide, pull and terminate 500MCM wires, provide material and labor to install housekeeping pad. Provide and install NNEMA 4X 316SS 2500A ATS/ Camlock combo. Provide material and labor to extend electrical raceways and wires to integrate new electrical gear inside existing system. Provide and connect 6 sets of 500MCM Type-W wires and 6ea #3 Ground wires to Main MCC from Existing Generator. These types of wires can be used for cam lock mobile generator connections in the future.</p> <p>Reason for Change: Additional Scope to be added to the project in the form of Cam-Lock connection for Emergency Generator Power, and Switch panel for added safety when working on SureVolt and to add additional resiliency to the WWTP.</p> <p>Work to be Performed is more specifically described as: See attached</p> <p>Attachments: <i>Memo.</i></p>	
Total Proposed Increase (decrease) in Contract Price and Contract Time for this Change Order	
Increase (decrease) in Contract Price: \$ 533,360.20	Increase (decrease) in Contract Time (Calendar days): 13 Days
<p>Acknowledgments:</p> <p>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>	

Original Contract Price: \$2,670,450.00		Original Contract Time: 500 Days (calendar days or dates)	
SUMMARY OF PRIOR CHANGE ORDERS			
C-O No.	Description of Change	Change in Contract Price	Change in Contract Time
1		\$	Days
2		\$	Days
3		\$	Days
4		\$	Days
5		\$	Days
TOTAL OF ALL PRIOR CHANGES		\$ 0.00	0 Days
CURRENT CONTRACT PRICE AND TIME (Adjusted by Prior Change Orders BUT before adjusting for this Change Order)		\$ 2,670,450.00	500 Days
NEW CONTRACT PRICE AND TIME (Adjusted by Prior Change Orders AND this Change Order)		\$ 3,203,810.20	513 Days
Original Contract Substantial Completion Date: 06/15/2026		New Contract Substantial Completion Date: 06/28/2026	
APPROVAL AND CHANGE ORDER AUTHORIZATION			
Contractor: <u>Pedro Falcon Contractors, Inc.</u> _____ By (Signature) <u>Roman Sviridenko, Project Manager</u> (Printed Name and Title of Officer) (Date) _____ ATTEST: _____ (Secretary) (Corporate Seal)		Owner: <u>Key Largo Wastewater Treatment District</u> _____ By (Signature) <u>Peter Rosasco, General Manager</u> (Printed Name and Title of Officer) (Date) _____ ATTEST: _____ District Clerk (Seal)	