



Date: August 3, 2021 **Task:** 87041

Prepared By: Charles Thomas, Operations Manager

Subject: Award of Construction Contract for the Secondary Treatment Improvements Project (STIP) at the Wochholz Regional Water Recycling Facility

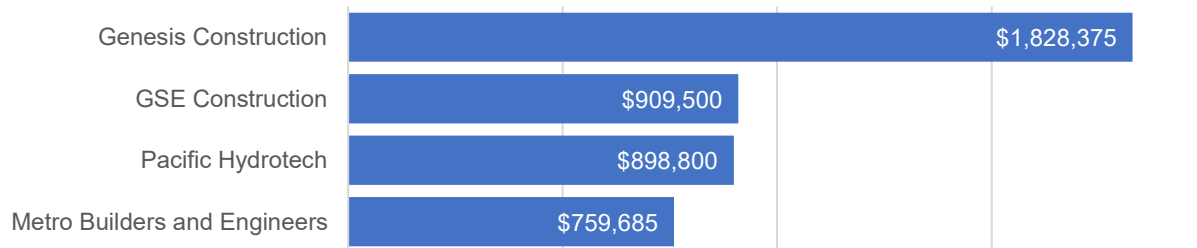
Recommendation: That the Board (1) award a construction contract to Metro Builders & Engineers Group for a sum not to exceed \$759,686; and (2) adopt Resolution No. 2021-44 transferring funds within the Sewer Division as Transfer No. 01.

The Secondary Treatment Improvements Project (STIP) at the Wochholz Regional Water Recycling Facility will involve the following project elements:

- Removal of the IFAS media from the aeration tanks;
- Replacement of the aeration tank coarse bubble diffusers with OTT fine bubble diffusers;
- Replacement of the aeration air control valves and actuators; and
- Replacement of the existing multistage centrifugal blowers with turbo blowers.

On May 11, 2021, the Board approved the purchase of APG-Neuros turbo blowers for a sum not to exceed \$700,745; and OTT fine bubble diffusers for a sum not to exceed \$67,775. At the same meeting, the Board authorized the District staff to solicit proposals for the removal of existing blower equipment and installation of the new equipment at the Wochholz Regional Water Recycling Facility (WRWRF), [Director Memorandum 21-085].

The District received four proposals for demolishing/removing the existing equipment and installing the new equipment. Following a review of the bids received, the District staff recommends awarding a construction contract to Metro Builders & Engineers Group for a sum not to exceed \$759,686.



Financial Impact

The project will be paid for by the Sewer Fund, Infrastructure Reserves [G/L Account #03-000-10311].

RESOLUTION NO. 2021-44

**RESOLUTION OF THE YUCAIPA VALLEY SEWER DISTRICT
TRANSFERRING FUNDS WITHIN THE SEWER FUND AS
TRANSFER NO. 01 FOR FISCAL YEAR 2022**

WHEREAS, the Yucaipa Valley Water District recognizes the importance of funding projects and programs within the District with funds set aside for this purpose, and

WHEREAS, the Board of Directors has approved the construction contract with Metro Builders & Engineers Group for the Secondary Treatment Improvements Project (STIP) at the Wochholz Regional Water Recycling Facility [Director Memorandum No. 21-137].

WHEREAS, the equipment purchase associated with the Secondary Treatment Improvements Project (STIP) were approved in a separate resolution [Resolution 2021-24].

NOW, THEREFORE, the Board of Directors of the Yucaipa Valley Water District hereby RESOLVE, DETERMINE, and ORDER as follows:

Section 1: Fund Transfer No. 1 in the amount of \$759,686 from the Sewer Fund Infrastructure Reserves (03-000-10311) to fund the construction contract associated with the Secondary Treatment Improvements Project (STIP).

PASSED, APPROVED and ADOPTED this 3rd day of August 2021.

YUCAIPA VALLEY WATER DISTRICT

Chris Mann, President Board of Directors

ATTEST:

Joseph B. Zoba, General Manager



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July 27, 2021

Charles Thomas
CPO & Operations Manager
Yucaipa Valley Water District
cthomas@yvwd.us

RE: Project No. P87-041 Secondary Treatment Improvements Project Bids

Dear Mr. Thomas,

Bids for the Wochholz Regional Water Recycling Facility (WRWRF) Secondary Treatment Improvements Project were received by the District on July 14, 2021. Four bids were received. SPI was provided the following pdf files:

- 01 Metro Builders & Engineers Group, Ltd.pdf
- 02 Pacific Hydrotech Corporation.pdf
- 03 GSE Construction Company, Inc.pdf
- 04 Genesis Construction.pdf

These files included the following documents which comprised each of the bids:

1. Contractor's Proposal Bid (Section 00300-C, in its entirety)
2. Information Required of Bidder (Section 00300-D, in its entirety)
3. Bid Bond (Section 00300-E)

This letter provides a preliminary review of the bids received.

Bid Evaluation

Responsiveness

The bids were first reviewed to confirm that the information requested in Section 00100-B, Instructions to Bidders, was included in the submitted bid.

Table 1 presents a summary of this review. The table indicates a "☑" for "Information Included" and an "☒" for "All Information not Included".

Yucaipa Valley Water District
 Secondary Treatment Improvements Project

July 27, 2021
 Page 2 of 5

Table 1 – Submittal Information Confirmation

Item	Description of Item	Metro Builders & Engineers Group, Ltd	Pacific Hydrotech Corporation	GSE Construction Company, Inc.	Genesis Construction
1	Bid Proposal (00300-C)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Pages C-1 and C-2 missing
2	General Information (00300-D Part A)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	List of Subcontractors (00300-D Part B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Statement of Experience (00300-D Part C)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Subbidder's Statement of Experience (00300-D Part D)	<input checked="" type="checkbox"/> b	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> a	<input checked="" type="checkbox"/> a
6	Equipment/Material Source Information (00300-D Part F)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Statement On Bonds and Insurance (00300-D Part G)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	Certification Of Bidding Documents (00300-D Part H)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Noncollusion Declaration (00300-D Part I)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Iran Contracting Act Certification (00300-D Part J)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	Public Works Contractor Registration Certification (00300-D Part K)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Acknowledgment of Addenda (00300-D Part L)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Yucaipa Valley Water District
Secondary Treatment Improvements Project

July 27, 2021
Page 3 of 5

Item	Description of Item	Metro Builders & Engineers Group, Ltd	Pacific Hydrotech Corporation	GSE Construction Company, Inc.	Genesis Construction
13	Bid Bond (00300-E)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Notes:

- a. Per Addendum No. 3, the bidder has the option to submit subbidder experience information within 3 business days after bid opening.
- b. Metro Builders submitted subbidder experience information within 2 hours after bid opening.

The results of this review can be used as an initial screening to determine bid responsiveness. Metro Builders & Engineers Group, Ltd (Metro Builders), Pacific Hydrotech Corporation (Pacific Hydrotech), and GSE Construction Company, Inc. (GSE) provided all of the requested and may be deemed responsive. Genesis Construction (Genesis) did not include some of the requested items with their bid and may be deemed non-responsive.

Bid Content Review

The submitted documents summarized in Table 1 consist mostly of general bidder information and certification forms. However, Item 3, Statement of Experience, is an important consideration for the District. It would be beneficial for the selected contractor to have experience with demolition, concrete work, electrical work, mechanical work, and installation of electrical-powered mechanical equipment for a municipal client.

All four bidders submitted project experience information for the primary bidder. Metro Builders, Pacific Hydrotech, and GSE demonstrated sufficient experience with similar projects to the Secondary Treatment Improvements Project. Although Genesis indicated performance of projects for municipal clients, the work consisted primarily of demolition, concrete work, and mechanical work with no electrical or electrical-powered mechanical equipment installation work. Therefore, Genesis may be considered non-compliant with the experience requirements for the project.

Bidding Schedule

Section 00300-C, Bid Proposal included the Bidding Schedule which summarized the bidder's pricing for the various work components. Table 2 provides a summary of the Bidding Schedule for each bid.

Yucaipa Valley Water District
Secondary Treatment Improvements Project

July 27, 2021
Page 4 of 5

Table 2 – Bidding Schedule Summary

Item	Description of Item	Value			
		Metro Builders & Engineers Group, Ltd	Pacific Hydrotech Corporation	GSE Construction Company, Inc.	Genesis Construction
1	Mobilization	\$12,500	\$17,000	\$15,000	\$27,000
2	Demobilization	\$15,000	\$10,000	\$5,000	\$5,000
3	Division 0 Bonds and Insurance	\$18,750	\$7,500	\$20,000	\$50,000
4	Division 1 Submittals and General Reqt's	\$115,000	\$500	\$100,000	\$75,000
5	Division 3 Concrete and Division 5 Metals	\$103,450	\$14,700	\$30,000	\$600,000
6	Division 11 Equipment	\$4,925	\$360,200	\$240,000	\$150,000
7	Division 15 Mechanical	\$434,611	\$363,300	\$325,000	\$250,000
8	Division 16 Electrical	\$55,450	\$111,100	\$154,500	\$471,375
9	Taxes	\$ - ^a	\$14,500	\$20,000	\$200,000
10	Total Contract Price	\$759,685 ^b	\$898,800	\$909,500	\$1,828,375

Notes:

- a. Metro Builders included all taxes in the respective line items.
- b. Metro Builders indicated a Total Contract Price of \$759,685. Summation of the values for the line items results in a Total Contract Price of \$759,686.

Based on the results presented in Table 2, Metro Builders is the apparent low bidder, with Pacific Hydrotech the apparent second low bidder. GSE's bid is within 1.2% of the apparent second low bidder,

Yucaipa Valley Water District
Secondary Treatment Improvements Project

July 27, 2021
Page 5 of 5

while the bid from Genesis is significantly higher than the other bids.

Review of the various line items that comprise the bid prices indicated some items that the District may want to discuss or confirm with the apparent second low bidder, if necessary:

- Pacific Hydrotech Division 1 Submittals and General Requirements – price for this component is lower than anticipated.
- Pacific Hydrotech Division 11 Equipment – price for this component is higher than anticipated since Division 11 equipment will be District-provided.

Summary

A total of four bids were submitted to the District for the Secondary Treatment Improvements Project P87-041. The bids were reviewed for three major attributes – responsiveness, experience, and price.

Bids submitted by Metro Builders, Pacific Hydrotech, and GSE may be deemed responsive, while the bid submitted by Genesis may be deemed non-responsive due to missing items from their bid.

The three responsive bidders – Pacific Hydrotech, and GSE – all submitted experience information to demonstrate that they have sufficient experience to execute a project similar to the Secondary Treatment Improvements Project.

Review of the Bidding Schedule indicated that Metro Builders is the apparent low bidder, with Pacific Hydrotech the apparent second low bidder. The District may want to clarify some price items with the apparent second low bidder for Divisions 1 and 11, if necessary.

Please review this information with your staff for concurrence as you review the submitted bids. If you have any further comments or revisions to the information in this letter, please let us know.

Sincerely,



Charles J. Cruz, P.E.
Vice President
Separation Processes, Inc.

**Yucaipa Valley Water District
Henry N. Wochholz Regional Water Reclamation Facility
Secondary Treatment Improvements
Construction Cost Estimate
April 14, 2021 Rev. 4**

District Equipment Pre-Purchase	Qty	Unit	Each	Line Items	Total
Fine Bubble Diffusers (District Pre-Purchase)	1	lot	\$ 56,100	\$ 56,100	
APG-Neuros Dual Core Turbo Blower Package - 3 blowers, appurtenances, Master Control Panel modifications, oxic zone valves/actuators (District Pre-Purchase)	1	lot	\$ 650,343	\$ 650,343	
Subtotal				\$ 706,443	
Taxes	7.75	%		\$ 54,749	
Equipment Pre-Purchase Subtotal				\$ 761,193	\$ 762,000
Contractor Installation	Qty	Unit	Each	Line Items	Total
Aeration Tanks					
Removal of Existing IFAS Media	1	lot	\$ 8,000	\$ 8,000	
Demolition of Existing Coarse Bubble Diffusers	1	lot	\$ 16,000	\$ 16,000	
Demolition of Existing Media Retention Screens and Supports	1	lot	\$ 16,000	\$ 16,000	
Demolition of Existing Aeration Air Control Valves and Actuators	1	lot	\$ 12,000	\$ 12,000	
Mechanical Equipment Installation	1	lot	\$ 32,000	\$ 32,000	
Subtotal				\$ 84,000	\$ 84,000
Aeration Blowers					
Demolition of Existing Aeration Blowers, Piping, and Electrical	1	lot	\$ 20,000	\$ 20,000	
Piping, % of Major Equipment	7.5	%		\$ 48,776	
Mechanical Equipment Installation, % of Major Equipment	15	%		\$ 104,868	
Electrical/I&C, % of Major Equipment	16.6	%		\$ 107,957	
Temporary Blower Rental (2 months, includes accessories and shipping)	1	lot	\$ 69,800	\$ 69,800	
Subtotal				\$ 351,401	\$ 352,000
Contractor Major Project Elements Subtotal					\$ 436,000
Contractor Overhead and Profit	20	%			\$ 88,000
Bonds and Insurance	3	%			\$ 16,000
Contractor Installation Subtotal					\$ 540,000
Project Summary	Qty	Unit	Each	Line Items	Total
Pre-Purchase Equipment Subtotal					\$ 762,000
Contractor Subtotal					\$ 540,000
Project Subtotal					\$ 1,302,000
Contingencies	25	%			\$ 326,000
Engineering	15	%			\$ 196,000
Projected Construction Price					\$ 1,824,000