



CITY COMMISSION STAFF REPORT

DEPARTMENT: Utilities Department

DATE: March 12, 2024

SUBJECT: Motion to approve and authorize the award of Bid, No. ITB 2023-3-UTL, Nanofiltration Membrane Replacement, to the lowest, responsive, and responsible bidder, H2O Innovation USA, Inc., and to enter into an agreement in the amount not to exceed \$1,099,480.00 and a separate project contingency in the amount of \$109,948.00, representing 10% of the contract price. - **Utilities**

CITY MANAGER RECOMMENDATION:

The City Manager recommends approval and authorization of the award of Bid, No. ITB 2023-3-UTL, Nanofiltration Membrane Replacement, to the lowest, responsive, and responsible bidder, H2O Innovation USA, Inc., and to enter into an agreement in the amount not to exceed \$1,099,480.00 and a separate project contingency in the amount of \$109,948.00, representing 10% of the contract price.

The Final Completion date of the project is 300 calendar days from the Notice to Proceed date.

BACKGROUND OF ITEM:

The City of Cooper City Utilities Department is proposing to remove and replace the existing four (4) trains (arrays): A, B, C, and D of Nanofiltration (NF) membrane elements at the Cooper City George A. Haughney WTP, a critical facility that supplies potable drinking water for the City of Cooper City.

The project involves a comprehensive overhaul, including the removal of current NF membrane elements and the installation of 1,204 replacement NF membrane elements across four distinct arrays: A, B, C, and D. Additionally, modifications will be made to arrays A and B, incorporating a new second-stage pressure vessel, interconnecting piping, and updated throttling valves and concentrate check valve for all membrane arrays. The project also encompasses the installation of a new automatic silt density index (SDI) testing apparatus.

For competitive solicitation, the Purchasing Division released an Invitation to Bid (ITB), 2023-5-UTL, titled Nanofiltration Membrane Replacement, in Sun Sentinel newspaper on September 29, 2023 along with posting it on DemandStar, an electronic purchasing portal. On November 21, 2023 at 3:00 P.M. EST, the Purchasing Division closed and unsealed three (3) responses. The responses were reviewed by the Purchasing Division to ensure the responses met the ITB requirements, and the results were as follows:

1. H2O Innovation USA, Inc. \$1,099,480.00
2. Aerex Industries, Inc. \$1,586,000.00
3. Conti LLC. \$1,700,000.00

ANALYSIS:

Due to the significant price difference between the lowest bidder and the other two respondents, a follow-up Zoom meeting with H2O Innovation USA, Inc. was held on January 5, 2024. Besides H2O Innovation, the City’s Utilities and Purchasing staff and the Consultant Hazen attended the meeting. H2O Innovation confirmed that the price was right, and Hazen confirmed that the bid price included all the design elements. The Purchasing Division reviewed the bid responses, had a follow-up confirmation, discussed them with the Utilities Department staff and the Consultant, and concluded that H2O Innovation USA, Inc. was the lowest, responsive, and responsible bidder who met all the requirements of the ITB for the bid award.

FISCAL IMPACT:

Including the requested contingency amount, there is sufficient funding available in the Water and Sewer Utility Fund as follows:

<u>General Ledger Acct. Number</u>	<u>Budgeted Amount</u>	<u>Requested Amount</u>	<u>Remaining Amount</u>
453-911-563422-533-WS002	\$2,124,998.50	\$1,209,428.00	\$915,570.50

ALTERNATIVES:

N/A

ATTACHMENTS:

1. H2O Innovation USA, Inc. Contract Agreement
2. Solicitation - ITB 2023-3-UTL Nanofiltration Membrane Replacement
3. H2O Innovation USA, Inc. – Submittal – Bid Response
4. ITB 2023-3-UTL – H2O Innovation USA, Inc. – Bid Tabulation
5. Memorandum from Purchasing
6. Vendor Compliance

Workflow History



User	Task	Action	Date/Time
Allen, Tedra	NEW ITEM: Not Yet Routed	Route to Purchasing	02/12/24 01:24 PM
Dodgen, Brandon	Assigned to Purchasing	COMPLETE: Forward to City Clerk	02/23/24 11:27 AM
Allen, Tedra	Assigned to City Clerk	Route to Budget	02/23/24 04:38 PM
Nadeau, Mike	Assigned to Budget	COMPLETE: Forward to City Clerk	02/26/24 09:38 AM
<p><i>The fiscal impact grid needs some adjustments: The FY24 budgeted amount for this project is actually \$2,124,998.50 as we've subsequently added the November 4% rate increase (totaling \$495,600) to this project. \$2,124,998.50 minus \$1,209,428 would leave us with a remaining amount of \$915,570.50</i></p>			
Allen, Tedra	Assigned to City Clerk	Route to Attorney	02/26/24 10:08 AM
<p><i>Fiscal Impact grid revised</i></p>			
Horowitz, Jacob	Assigned to Attorney	COMPLETE: Forward to City Ma...	02/26/24 12:25 PM
Eggleston, Ryan	Assigned to City Manager	COMPLETE: Forward to City Clerk	02/26/24 02:09 PM
Allen, Tedra	Assigned to City Clerk	APPROVE ITEM: End Workflow	02/28/24 03:12 PM
Allen, Tedra	END WORKFLOW - APPROVED		02/28/24 03:14 PM