



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Procurement
ACM: Christine Taylor
DATE: April 13, 2026

SUBJECT

Consider recommending adoption of an ordinance of the City of Denton, a Texas home-rule municipal corporation, authorizing the City Manager to execute a contract with Trihedral Inc., for an HMI Software System for the Water Utilities Department; providing for the expenditure of funds therefor; and providing an effective date (RFP 8741 – awarded to Trihedral Inc., for five (5) years, with the option for five (5) additional one (1) year extensions, in the total ten (10) year not-to-exceed amount of \$886,000.00).

STRATEGIC ALIGNMENT

This action supports Key Focus Area: Enhance Infrastructure and Mobility.

INFORMATION/BACKGROUND

Operations staff at both the Water Production and Water Reclamation plants utilize Human-Machine Interface (HMI) software to control water treatment flows from start to finish through Supervisory Control and Data Acquisition (SCADA) systems. This software enables control of all field equipment, including pumps, motors, valve actuators, and instrumentation, while providing positional feedback for each piece of equipment from a central location. This helps the operations staff understand the current state of water quality and, if necessary, make changes through the software.

Currently, the Water Production and Reclamation plants operate on different software platforms, which are also outdated. This new HMI/SCADA project will not only update the software used but also consolidate all treatment plants onto a single software platform, which will enhance technical support and minimize potential downtime.

	Lake Lewisville WTP	Ray Roberts WTP	Pecan Creek WRF	Robson Ranch WRF	System Wide Costs	Total
Redundant HMI Server License	\$76,695.00	\$76,695.00	\$76,695.00	\$27,695.00		\$257,780.00
Historical Server	8,131.69	8,131.69	8,131.69	4,876.69		29,271.76
Classroom Training (Fundamentals)					3,500.00	3,500.00
Classroom Training (Software Admin)					3,000.00	3,000.00

HMI Configuration Support					6,600.00	6,600.00
Annual System Support					469,827.00	469,827.00
Sub Total	\$84,826.69	\$84,826.69	\$84,826.69	\$32,571.69	\$482,927.00	\$769,978.76
Contingency						116,021.24
Total NTE						\$886,000.00

Request for Proposals was sent to 1,493 prospective suppliers, including 68 Denton firms. In addition, specifications were placed on the Procurement website for prospective suppliers to download and advertised in the local newspaper. Five (5) proposals were received, references were checked, and proposals were evaluated based upon published criteria, including technical capabilities, support and training, references, and price. Best and Final Offers (BAFO) were requested from the top two (2) firms. Based upon this evaluation, Trihedral Inc. was ranked the highest and determined to be the best value for the City.

NIGP Code Used for Solicitation:	208, 209, 961, 962, and 968
Notifications sent for Solicitation sent in IonWave:	1,493
Number of Suppliers that viewed Solicitation in IonWave:	71
HUB-Historically Underutilized Business Invitations sent out:	181
SBE-Small Business Enterprise Invitations sent out:	156
Responses from Solicitation:	5

RECOMMENDATION

Award a contract with Trihedral Inc., for an HMI Software System for the Water Utilities Department, in a five (5) years, with the option for five (5) additional one (1) year extensions, in the total ten (10) year not-to-exceed amount of \$886,000.

PRINCIPAL PLACE OF BUSINESS

Trihedral Inc.
Orlando, FL

ESTIMATED SCHEDULE OF PROJECT

This project will be started upon approval, with an estimated completion date by Winter 2027.

FISCAL INFORMATION

These services will be funded from a combination of the accounts listed below.

Water Project Fund	630528523.1360.40100	\$182,753.38
Wastewater Project Fund	640507545.1360.40100	\$117,398.38

Requisition #174013 has been entered into the Purchasing software system in the amount of \$300,151.76 for the first year of services. The budgeted amount for this item is \$886,000.

EXHIBITS

Exhibit 1: Agenda Information Sheet
Exhibit 2: Pricing Evaluation
Exhibit 3: Ordinance and Contract

Respectfully submitted:
Lori Hewell, 940-349-7100
Purchasing Manager

For information concerning this acquisition, contact: John Dillard, 940-349-7628.

Legal point of contact: Leah Bush at 940-349-8333.