



# City of Denton

City Hall  
215 E. McKinney Street  
Denton, Texas  
[www.cityofdenton.com](http://www.cityofdenton.com)

## AGENDA INFORMATION SHEET

**DEPARTMENT:** Procurement  
**ACM:** Cassey Ogden  
**DATE:** March 5, 2024

### **SUBJECT**

Consider adoption of an ordinance of the City of Denton, a Texas home-rule municipal corporation, authorizing the City Manager to execute a contract with Xylem Water Solutions U.S.A., Inc., for the purchase of equipment, materials, and parts for the operation and maintenance of the ultraviolet disinfection system at the Pecan Creek Water Reclamation Plant; which is the sole provider of these items, in accordance with Texas Local Government Code 252.022, which provides that procurement of commodities and services that are available from one source are exempt from competitive bidding, and if over \$50,000, shall be awarded by the governing body; providing for the expenditure of funds therefor; and providing an effective date (File 8471 – awarded to Xylem Water Solutions U.S.A., Inc., for three (3) years, with the option for two (2) additional one (1) year extensions, in the total five (5) year not-to-exceed amount of \$750,000.00). [The Public Utilities Board recommends approval \(5 - 0\).](#)

### **STRATEGIC ALIGNMENT**

This action supports Key Focus Area: Promote Sustainability and the Environment.

### **INFORMATION/BACKGROUND**

The ultraviolet (UV) disinfection systems operated by the Wastewater Utility at the Pecan Creek Water Reclamation Plant (PCWRP) are required by the Texas Commission on Environmental Quality (TCEQ) to disinfect the effluent to the bacteria limits in the wastewater treatment facility's wastewater permit.

The purpose of this contract is to provide parts and supplies for the Water Reclamation disinfection systems. The Water Reclamation plant has a Wedeco UV system to disinfect effluent flows before discharge to Lake Lewisville.

Title 30 Texas Administrative Code Chapter 217 (30 TAC §217) requires that the owner keep enough parts on hand to facilitate repairs in case of emergency.

30 TAC §217.293 – UV Light Disinfection Systems Redundancy Requirements requires specifically that:

- (a) A UV disinfection system must include at least two banks positioned in series in a disinfection channel.
- (b) A UV light disinfection system must meet the dosage requirements determined in §217.295 of this title (relating to UV Light Disinfection Dosage and System Sizing) under all conditions.
- (c) An owner must maintain an inventory of replacement equipment, including lamps, quartz sleeves, ballasts, and modules, to replace equipment during emergency repairs and scheduled maintenance. The

minimum inventory of replacement lamps, ballasts, and quartz sleeves is described in §217.298(b) of this title (relating to UV Light Disinfection System Cleaning and Maintenance).

30 TAC §217.293(b) states that a UV system must include the following replacement parts, as a percentage of the total system, equal to at least:

- (1) 5% of the lamps
- (2) 2% of the ballasts
- (3) 5% of the quartz sleeves.

To meet TCEQ requirements, the imposed discharge permit limits, and protect human health and the environment, the Utility requires these replacement parts to be on hand and available for purchase.

Section 252.022 of the Local Government Code provides that procurement of sole source commodities and services is exempt from competitive bidding if over \$50,000 and awarded by the governing body.

### **PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)**

On February 26, 2024, the Public Utilities Board (PUB) recommended this item to the City Council for consideration.

### **RECOMMENDATION**

Award with a contract to Xylem Water Solutions, U.S.A., Inc., as a sole source supplier, for the purchase of equipment, materials, and parts for the operation and maintenance of the ultraviolet disinfection system at the Pecan Creek Water Reclamation Plant, in three (3) years, with the option for two (2) additional one (1) year extensions, in the total five (5) year not-to-exceed amount of \$750,000.

### **PRINCIPAL PLACE OF BUSINESS**

Xylem Water Solutions U.S.A., Inc.  
Charlotte, NC

### **ESTIMATED SCHEDULE OF PROJECT**

This is an initial three (3) year contract with the option to extend the contract for two (2) additional one (1) year periods, with all terms and conditions remaining the same.

### **FISCAL INFORMATION**

These items will be funded from Accessory Electric Equipment account 640100.6526. Requisitions will be entered on an as-needed basis. The budgeted amount for this item is \$750,000.

### **EXHIBITS**

Exhibit 1: Agenda Information Sheet  
Exhibit 2: Ordinance and Contract

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

For information concerning this acquisition, contact: Kenneth Moore, 940-349-8650.

Legal point of contact: Marcella Lunn at 940-349-8333.