



City Council Report

Date: May 12, 2025
To: City Council
Through: Michael Kennington, Deputy City Manager/Chief Financial Officer
From: Edward Quedens, Business Services Director
Kristy Garcia, Procurement Administrator
Subject: Purchase of Wastewater Diffuser System Repairs at the Greenfield Water Reclamation Plant for the Water Resources Department (Sole Source)
(Citywide)

Recommendation

The Water Resources Department and Procurement Services recommend awarding the contract to the sole source vendor, Environmental Dynamics International (EDI) at \$180,000, based on estimated requirements.

Background / Discussion

This repair is needed because the Fine Bubble Air Header Diffuser System in Aeration Basin #3 has cracked PVC piping throughout, causing the system to experience failures. Fine bubble diffusers are critical components in the aeration basin of a water reclamation plant, facilitating efficient oxygen transfer into wastewater. By generating tiny air bubbles, these diffusers maximize surface area, significantly enhancing oxygenation. This process fosters the growth of beneficial microorganisms that break down organic matter, ammonia, and other contaminants in the water.

Environmental Dynamics International (EDI) is the original equipment manufacturer of the FlexAir® EPDM Diffuser Membrane, aeration pricing fittings and pipe supports are also proprietary and available only through EDI. EDI is the only factory-trained and authorized service provider in the State of Arizona.

Purchase Information

Action: Award
Procurement Type: Sole Source
Contract Number: 2025187
Local Consideration: Policy did not apply to this procurement method
Protests Received: None
Funding Source: Greenfield Joint Venture Fund – City of Mesa's share will be approximately 38% of the cost