MEMORANDUM

To: Mayor and City Council

From: James D. Meier, P.E., Assistant Director of Public Works
Mike Garza, P.E., Director of Public Works

Date: August 12, 2025

Reference: Consider approval to purchase three (3) 5500sc Ammonia Monochloramine Analyzers from HACH; utilizing an interlocal agreement between the City of Coppell and Grand Prairie; for installation at Village Parkway Pump Station, Southwestern EST, and Wagon Wheel EST as part of the Chemical Analyzer Project approved by Council on July 22, 2025; in the amount of $115,820.60; as provided for in the Utility Operations FY25 budget; and authorizing the City Manager to sign any necessary documents.

2040: **Sustainable Government**

Introduction:
The purpose of this agenda item is to request approval to purchase three (3) 5500sc Ammonia Monochloramine Analyzers from HACH for installation at Village Parkway Pump Station, Southwestern EST, and Wagon Wheel EST in the amount of $115,820.60 as provided for in the Utility Operations annual budget. This is a companion item to the design contract that was approved by the City Council at the July 22, 2025 meeting.

Background:
The Chemical Analyzer Project involves the design of improvements to the City's water transmission system by adding water quality analyzers at Village Parkway Pump Station (VPPS) and the two existing elevated storage tanks. The City purchases treated water from Dallas Water Utilities (DWU) and monitors water quality through various methods including daily chlorine residual samples and weekly Nitrification Action Plan (NAP) samples. Additionally, the City has chloramine injection capability at each elevated storage tank to adjust chlorine when necessary. NAP sampling ensures that chloramine disinfection is successful by measuring nitrification which results from elevated levels of ammonia in the distribution system. The additional of real-time chemical analyzers will allow the Water Quality team to automatically adjust chemical injection more quickly in response to any variations in ammonia from our DWU inlet or that is generated within the distribution system. This will help automate these processes and ensure that the City continues to maintain TCEQ water quality standards with reduced manual intervention.

The City would like to purchase three (3) Ammonia Monochloramine Analyzers from HACH. The City has a working history with HACH through flow meters and measurement equipment installed at certain locations within the wastewater gathering system and HACH has provided excellent customer service. Additionally, staff is aware of other neighboring entities, including Grand Prairie and North Texas Municipal Water District (NTMWD), that utilize these analyzers. The City solicited a quote from another competing company, In-Situ, which was more expensive. Kimley-Horn, the design engineer for this project, has installed several of these HACH analyzers in North Texas.

Since there are limited competing companies for similar equipment, staff recommends purchasing these analyzers directly through an interlocal agreement with Grand Prairie to avoid any price mark-ups through Kimley-Horn or another company selected to construct and install the analyzer cabinets.

Benefit to the Community:
To provide Sustainable Government the installation of chemical analyzers will provide real-time monitoring of total chlorine and free ammonia to maintain compliance with TCEQ water quality requirements and potentially reduce unnecessary chemical injection.

Legal Review:
Standard professional services and interlocal agreements are periodically reviewed by the City Attorney.

Fiscal Impact:
The fiscal impact of this agenda item is $115,820.60 as budgeted from the current year Utility Operations annual budget.

Recommendation:
The Public Works Department recommends approval of this purchase.