

12. Purchase Order Contracts with Fil-Trek Corporation, Pure Process Filtration Inc., and Vytal Filtration Technologies-West for Cartridge Filters and Chlorine Filters (Specification No. 24-128) (Non-General Fund)

Department(s):

Recommended Action: Award aggregate purchase order contracts to the vendors listed below for cartridge filters and chlorine filters on as-needed basis, for an aggregate amount not to exceed \$3,000,000, for a term beginning February 18, 2025 and expiring February 17, 2026, with provisions for four, one-year renewal options.

Vendor	Location
Fil-Trek Corporation	Cambridge, Ontario (Canada)
Pure Process Filtration Inc.	Garden Grove, CA
Vytal Filtration Technologies-West	Visalia, CA



City of Santa Ana
20 Civic Center Plaza, Santa Ana, CA 92701
Staff Report
February 18, 2025

TOPIC: Cartridge Filters and Chlorine Filters

AGENDA TITLE

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RECOMMENDED ACTION

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GOVERNMENT CODE §84308 APPLIES: No

DISCUSSION

The Public Works Agency (PWA) Water Resources Division oversees and maintains the daily operations of the City's water and sanitary sewer systems. The water system is comprised of approximately 480 miles of water main, 21 groundwater wells, seven pump stations, 10 reservoirs with a storage capacity of 49 million gallons, four pressure regulating stations, and seven connection points to the Metropolitan Water District. The system has an average daily demand of 30 million gallons from its roughly 45,150 metered service connections.

On April 10, 2024, the Environmental Protection Agency (EPA) released new regulations regarding per- and polyfluoroalkyl substances (PFAS), which set the maximum contamination levels (MCLs) for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) at four parts per trillion. All community water providers are required to meet this threshold for water supplied. If water providers cannot meet these thresholds and do not install water treatment to remove PFAS from the water, the water provider must remove the supply from its distribution system.

In response, PFAS treatment facilities are being constructed at affected City water production sites. These treatment facilities utilize ion exchange (IX) treatment to remove PFAS from the water to levels below the MCL, allowing the treated water to be supplied to the distribution system. The IX treatment facilities require specialized pre-treatment cartridge filters in order to remove small solids and sediments, five micron or greater, in the water prior to the water entering the IX vessels. The cartridge filters are critical to the PFAS treatment facilities' operation because they prevent solids and sediment from damaging the IX vessel's ability to remove PFAS from water.

Prior to publishing bids, the City's Finance & Management Services Agency (Finance) Purchasing Division works with the end use to determine department needs for supplies and materials. The availability of raw materials and lead times are also factored when establishing contract terms. In the case of cartridge filters, Finance and PWA staff determined the contract term of one-year and four, one-year renewal options as the most responsive term for potential market fluctuation.

These pre-treatment cartridge filters typically last one to three months on average, and each replacement requires a minimum of 24 to 36 filters for one facility. The City plans to have eight PFAS treatment facilities online within the next five years. Consequently, the City will require multiple means of purchasing filters in order for the PFAS treatment facilities to operate effectively and efficiently long term. It is imperative the City has multiple avenues of purchasing these critical filters due to the PFAS treatment facilities being unable to operate without them. As a result, the City's Water Resources Division posted Invitation for Bids (IFB) No. 24-128 on October 28, 2024 on the City's online bid management and publication system to procure such services. A summary of vendor participation and results is as follows:

28	Vendors notified
4	Santa Ana vendors notified
16	Vendors downloaded the bid packet
5	Bids received
0	Bids received from Santa Ana vendors

Bids were solicited, opened on November 21, 2024, and evaluated (Exhibit 1). Five bids were submitted by the IFB deadline, and three were determined to be responsive to the specifications and met the City's requirements. The bids submitted by BRW Corporation and Ryan Herco Flow Solutions were deemed non-responsive as they did not meet IFB specifications. To ensure sufficient resources for cartridge filters are available at all times, staff recommends awarding aggregate purchase order contracts to Fil-Trek Corporation, Pure Process Filtration Inc., and Vytal Filtration Technologies-West.

ENVIRONMENTAL IMPACT

There is no environmental impact associated with this action.

FISCAL IMPACT

Funds are budgeted and available for expenditure in the Fiscal Year 2024-2025 budget and subsequent fiscal years will be included in the proposed budgets for City Council consideration. The funds will be budgeted and available for this item in the accounts below.

Fiscal Year	Accounting Unit - Account #	Fund Description	Accounting Unit, Account Description	Amount
2024-25 (Feb – June)	06017640-63001	Water	Water Utility, Production & Supply, Miscellaneous Operating Expenses	\$200,000
2025-26	06017640-63001	Water	Water Utility, Production & Supply, Miscellaneous Operating Expenses	\$650,000
Optional 1-Year Extension				
2026-27	06017640-63001	Water	Water Utility, Production & Supply, Miscellaneous Operating Expenses	\$650,000
2027-28	06017640-63001	Water	Water Utility, Production & Supply, Miscellaneous Operating Expenses	\$650,000
2028-29	06017640-63001	Water	Water Utility, Production & Supply, Miscellaneous Operating Expenses	\$650,000
2029-30 (July – Jan)	06017640-63001	Water	Water Utility, Production & Supply, Miscellaneous Operating Expenses	\$200,000
Total:				\$3,000,000

EXHIBIT(S)

1. Abstract of Bids (24-128)

Submitted By: Nabil Saba, P.E., Executive Director – Public Works Agency

Approved By: Alvaro Nuñez, City Manager

ABSTRACT OF BIDS**Cartridge Filters and Chlorine Filters (Bid No. 24-128)**

BIDDER	LOCATION	TOTAL
Fil-Trek Corporation	Cambridge, Ontario (Canada)	\$ 1,754,319
Pure Process Filtration Inc.	Garden Grove, CA	\$ 3,186,518
Vytal Filtration Technologies- West	Visalia, CA	\$ 2,390,055