



TITLE

Chemical Purchases FY2025-26

RECOMMENDATION

Adopt a Resolution authorizing the purchase of chemicals for the Water Enterprise in the amount not to exceed \$585,000; for the Wastewater Enterprise in the amount of \$45,000 and for the Recycled Water Enterprise in the amount of \$80,000 for FY 2025/26.

CONTACT

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BACKGROUND & ANALYSIS

The City cooperates with other local agencies to obtain bulk pricing for chemicals to aid in the treatment of drinking water, wastewater and recycled water. The “North Bay Agency Chemical Pool” is comprised of the cities of American Canyon, Napa, Vallejo, Fairfield, Vacaville and others. The City has participated in the “Pool” since 1994. Each Fiscal Year, this process ensures the City receives the best possible prices from vendors.

Sodium Hydroxide is used to adjust pH depending on source water quality. Sodium Hypochlorite is used in the disinfection process of finished potable and recycled water. The disinfection process and pH adjustments help control and mitigate the formation of disinfection byproducts and operational changes made in this regard can result in a change of consumables. Aluminum sulfate is used in water purification. In water purification, it causes suspended impurities to coagulate into larger particles and then settle to the bottom to be filtered out.

For FY 2025/26, the lowest responsive and responsible bidders for the Pool are as follows:

Vendor	Chemical
Chemtrade	Aluminum Sulfate (Acid Alum, Full)
Univar	Sodium Hydroxide (25% NaOH, Full)

Thatcher	Sodium Hypochlorite (12.5% NaOCl, Short)
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Other chemicals outside the Consortium are Pro Pac 9890, CT-00011 and CC950S which are advanced engineered coagulants that enhance organic removal assisting in reduction of Disinfection-By-Products and improves overall plant performances. By using advanced coagulants, it reduces other chemicals. Citric Acid is a weak acid made of citrus fruits, it is used in water chemistry for stabilization, neutralization and removes inorganic material from the membrane filters. These chemicals are obtained from NTU Technologies, Inc., BWS, Inc., USALCO, LLC and Thatcher.

It is anticipated that the cost of Chemicals will be \$585,000 for the Water Enterprise; \$45,000 for the Wastewater Enterprise and \$80,000 for the Recycled Water Enterprise. These amounts have been budgeted in FY2025/26.

COUNCIL PRIORITY PROGRAMS AND PROJECTS

Infrastructure: "Develop and maintain infrastructure resources to support sustainable growth."

FISCAL IMPACT

The FY2025/26 Budget includes sufficient funds for chemical purchases in Water Enterprise 510-50-560-43115, Wastewater Enterprise 540-50-570-43115 and Recycled Water Enterprise 580-50-590-43115 to implement the recommended action.

ENVIRONMENTAL REVIEW

15378(b) - The action is not a "Project" subject to the California Environmental Quality Act ("CEQA") because it does not qualify as a "Project" under Public Resources Code Sections 21065 and 21080 and in Section 15378(b) of Title 14 of the California Code of Regulations.

ATTACHMENTS:

[1. Resolution - Chemicals](#)