



Riverside Water Quality Control Plant Chemical Purchases

Public Works Department

City Council
June 28, 2022

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BACKGROUND

1. The Public Works Department Wastewater Division is responsible for the collection & treatment of wastewater generated within the City of Riverside & the communities of Edgemont, Highgrove, Jurupa & Rubidoux at the RWQCP.
2. To satisfy the US Environmental Protection Agency's (EPA) National Pollution Discharge Elimination System (NPDES) Permit, wastewater must be treated to achieve regulatory water quality standards. The RWQCP treatment processes require the use of various chemicals to achieve water quality objectives.



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DISCUSSION

1. Under Section 404 and 602(J) of Purchasing Resolution No. 23812, chemicals are considered to be items 'peculiar to the needs of the Sewer Utility' and can be purchased through informal or negotiated procurement, providing it is in the best interest of the City to do so.
2. Kemira Water Solutions, Inc., agreed to provide ferric chloride with an increase of 61%.
3. Olin Corporation agreed to provide sodium hypochlorite with an increase of 83%.



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DISCUSSION

4. Northstar Chemical has agreed to provide citric with an increase of 169%.
5. Univar USA Inc. has agreed to provide sodium bisulfate with an increase of 139%.
6. SNF Polydyne, Inc., has agreed to provide polymer with an increase of 48%.



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DISCUSSION

7. Market volatility, temporary supply shortages, and a Consumer Price Index (CPI) increase created an unexpected rise in unit costs for chemicals. Staff conducted a general market analysis comparing price ranges of current vendors to other businesses who offer similar goods.
8. The Purchasing Manager concurs that the recommended action to purchase is in compliance with Purchasing Resolution No. 23812.



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STRATEGIC PLAN ALIGNMENT

Strategic Priority No. 4 – *Environmental Stewardship*

Goal 4.2 - Sustainably manage local water resources to maximize reliability and advanced water reuse to ensure safe, reliable, and affordable water to our community.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATIONS

That the City Council:

1. Approve an annual purchase order for the purchase of ferric chloride from Kemira Water Solutions, Inc., of Fontana, California, in the amount of \$450,000;
2. Approve an annual purchase order for the purchase of sodium hypochlorite from Olin Corporation of Tracy, California, in the amount of \$1,382,715;
3. Approve an annual purchase order for citric acid from Northstar Chemical of Santa Fe Springs, California in the amount of \$300,000;



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RECOMMENDATIONS

4. Approve an annual purchase order for sodium bisulfate from Univar USA, Inc. of Kent, Washington, in the amount of \$400,000; and
5. Approve an annual purchase order for polymer from SNF Polydyne, Inc., of Riceboro, Georgia, in the amount of \$1,400,000.



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FISCAL IMPACT

1. The total fiscal impact of the action is \$3,932,715.
2. Sufficient funds are budgeted in the upcoming proposed budget that will be brought to Council for adoption on June 21, 2022. Funds are budgeted in the Sewer Fund, Sewer Systems Treatment, Chemical Supplies account number 4125200-426600 and Sewer Fund, Sewer Collection Systems Maintenance, Chemical Supplies account number 4125100-426600.

