



# RIVERSIDE WATER QUALITY CONTROL PLANT CHEMICAL PURCHASES – CHANGE ORDERS

## Public Works Department

City Council  
August 6, 2024

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## BACKGROUND

WQCP services **93,000** customers  
within the City of Riverside

### Treatment Plant

**27** Million gallons  
per day average

### Collections System

 800 miles of gravity sewers

 20 wastewater lift stations

 16,000 sewer manholes



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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.24101, 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. Staff conducted a general market analysis comparing price ranges of current vendors to other businesses who offer similar goods.
3. The Purchasing Manager concurs that the recommended action to purchase is in compliance with Purchasing Resolution No. 24101



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## DISCUSSION (CONTINUE ...)

### FY 2024/2025 Annual Chemical Purchase

Vendor	Chemical	Cost	Price Change
<u>Northstar Chemical</u>	Citric Acid	\$300,000	Decrease of 19.7%
<b>Kemira Water Solutions, Inc.</b>	Ferric Chloride	\$750,000	Increase of 9.2%
<b>Univar USA, Inc.</b>	Sodium Bisulfate	\$700,000	Increase of 8.9%
<b>Pioneer Americas LLC</b>	Sodium Hypochlorite	\$2,379,581	Same
<u>SNF Polydyne, Inc.</u>	Polymer	\$1,700,000	Same
<b>Total FY 2024/2025 Chemical Costs: \$5,829,581</b>			



## STRATEGIC PLAN ALIGNMENT

### Strategic Priority 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



# RECOMMENDATIONS

That the City Council:

1. Approve an annual Purchase Order for citric acid with Northstar Chemical of Santa Fe Springs, California, in the amount \$300,000; and
2. Approve an annual Purchase Order for ferric chloride with Kemira Water Solutions, Inc., of Fontana, California, in the amount of \$750,000; and
3. Approve an annual Purchase Order for sodium bisulfite with Univar USA, Inc., of Kent, Washington, in the amount of \$700,000; and
4. Approve an annual Purchase Order for sodium hypochlorite with Pioneer Americas, LLC., of Wilmington, Delaware, in the amount of \$2,379,581; and
5. Approve an annual Purchase Order for polymer with SNF Polydyne, Inc., of Riceboro, Georgia, in the amount of \$1,700,000.

