



CITY OF WASHINGTON, ILLINOIS

City Council Agenda Communication

Meeting Date: 04-05-2021

Prepared By: Kevin Schone-Public Works Director

Agenda Item: Chemicals-Bid Award

Explanation: On Wednesday, March 24, 2021 bids were opened and publicly read for the City's purchase and delivery of liquid chlorine, hydrofluosilicic acid, liquid ferric chloride, polymer, and phosphate for use at Water Treatment Plants 1 & 2 and Sewage Treatment Plant 2. Bid documents were forwarded to 14 prospective suppliers and 5 proposals were returned.

Brenntag Mid-South is the apparent low bidder for chemicals specified in the contract documents. Assuming the award is made to Brenntag, the following is an analysis of the comparative difference in cost of chemicals from last year.

	FY 20-21 Cost	FY 21-22 Cost	% Change
Liquid Chlorine – 150 lbs. cylinders	\$ 67.50	\$74.00	+ 8.8%
Liquid Chlorine – 1-ton containers	\$549.00	\$624.00	+ 12.1%
Hydrofluosilicic Acid	\$90.00	\$92.00	-+2.2%
Ferric Chloride	\$0.124	\$0.128	+3.2%
Polymer	\$1.91	\$1.89	-1.1%
WSU 350 Phosphate	No Bid	No Bid	No Bid

Below is the bid tab for phosphate that was bid sole sourced in FY 19/20 to avoid changing the chemical make-up of the current process. Water Solutions Unlimited, our current vendor, as well as two other bidders, submitted bids for FY 21/22, however Water Solutions Unlimited remains the only bidder on the WSU 350 product. Assuming the award is made to Water Solutions Unlimited, the following is an analysis of the comparative differences in cost from last year.

	FY 20-21 Cost	FY 21-22 Cost	% Change
WSU 350 Phosphate	\$1.91	\$1.96	+2.6%

Fiscal Impact: \$73,000 total between the water and wastewater treatment facilities.

Recommendation/

Committee Discussion Summary: Staff recommends that the City Council award the bid for the purchase and delivery of the chemicals listed above for FY 21/22 to Brenntag Mid-South and Water Solutions Unlimited at the unit price set forth in the Contract Documents and as noted on the bid tabs shown.

Action Requested: Approval

CITY OF WASHINGTON

**BID TABULATION
PUBLIC SERVICES DOCUMENT NO. PW-21-02
FY 21-22 LIQUID CHLORINE, HYDROFLUOSILICIC ACID
AND LIQUID FERRIC CHLORIDE**

BID OPENING: *Wednesday March 24, 2021 1:00 p.m.*

COMPANY	ITEM*	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
Clint Olin Brenntag Mid-South, Inc. 4616 S. Enterprise Dr. Bartonville, IL 61607	1	60	\$74.00ea.	\$4,440.00
	2	8	\$624.00 ea.	\$4,992.00
	3	65	\$92.00 ea.	\$5,980.00
	4	180,000	\$.128 per pound	\$23,040.00
	5	2000	A) \$1.89 lb. B) \$1.81 lb.	A) \$31,525.20 B) \$30,190.80
	6	10,000	No Bid	No Bid
				Total \$100,168
Hawkins, Inc. 2381 Rosegate Roseville, MN 55113 Did not quote right product on #6.	1	60	\$73.50	\$4,410.00
	2	8	\$560.00	\$4,480.00
	3	65	\$99.00	\$6,435.00
	4	180,000	\$.14	\$25,200.00
	5	2000	A) \$1.99 lb. B) \$1.99 lb.	A) \$34,506.40 B) \$33,909.60
	6 Not WS	10,000	\$1.95/lb \$19,500	Total \$108,941
Water Solutions Unlimited ATTN: Troy Mott 8824 Union Mills Drive Camby, IN 46113	1	60	No Bid	No Bid
	2	8	No Bid	No Bid
	3	65	\$93.00 ea.	\$6,045.00
	4	180,000	No Bid	No Bid
	5	2000	A) No Bid B) No Bid	A) No Bid B) No Bid
	6	10,000	\$1.96/lb.	Total \$19,600

Daniel C. Flynn Vice President, Operations Shannon Chemical Corporation P. O. Box 376 Malvern, PA 19355 *Could not confirm Product	1	60	No Bid	No Bid
	2	8	No Bid	No Bid
	3	65	\$217.17	\$14,116.05
	4	180,000	No Bid	No Bid
	5	2000	A) No Bid	A) No Bid
	6	10,000	B) No Bid	B) No Bid
Kemira Water Solutions 4321 W. 6 th St. Lawrence Kansas	1	60	No Bid	No Bid
	2	8	No Bid	No Bid
	3	65	No Bid	No Bid
	4	180,000	\$0.166/lb.	\$29,880.00
	5	2000	No Bid	No Bid
	6	10,000	No Bid	No Bid

* ITEM:

- 1) Liquid Chlorine - 150 lb. cylinders
- 2) Liquid Chlorine – 1 Ton containers
- 3) Hydrofluosilicic Acid - 300 lb. drums
- 4) Liquid Ferric Chloride – Pound
- 5) Polymer 2000-gal A) =274 B) =279
- 6) WSU 350Phosphate PO4 50 LB Bag