

# Chemical Purchase Agreement

Board of Utilities Commissioners

January 19, 2023

# Agenda Items 5-8

## Item #5

WD-23-043  
(Liquid Chlorine)



## Item #6

WD-23-044  
(Ferric Chloride)



## Item #7

WD-23-045  
(Polymer)



## Item #8

WD-23-046  
(Caustic Soda)



City of Long Beach  
Water Treatment Plant

**Chlorine for  
disinfection**

**Ferric and Polymer  
for coagulation**

**Caustic for  
corrosion control**

**Chlorine for secondary  
disinfection**

Redondo

Redondo Ave

Redondo Ave

E Airport Way

Ave

Google



3D



+



-



# Chemical Contracts

Agenda Item #	Chemical	Vendor	Contract*
#5 (WD-23-043)	Liquid Chlorine	JCI Jones Chemicals Inc.	\$600,000
#6 (WD-23-044)	Ferric Chloride	California Water Technologies Inc.	\$213,800
#7 (WD-23-045)	Polymer Blend	Sterling Water Technologies LLC	\$530,000
#8 (WD-23-046)	Caustic Soda	Univar Solutions USA Inc.	\$216,000

\*6-month term

# Chemical Price Increase

Cost to treat 32,696 AF (LBWD groundwater rights) increased from \$1M to \$2.5M.

	\$/AF Jan 2021	\$/AF Jun 2022	\$/AF Jan 2023	% Increase since Jun 2022	% Increase since Jan 2021
Liquid Chlorine	\$6.27	\$23.89	\$30.10	26%	380%
Ferric Chloride	\$5.57	\$8.47	\$9.81	16%	76%
Polymer Blend	\$14.06	\$26.44	\$27.41	4%	95%
Caustic Soda	\$4.17	\$9.30	\$9.25	-1%	122%
<b>Total</b>	<b>\$30.07</b>	<b>\$68.10</b>	<b>\$76.57</b>	<b>12%</b>	<b>150%</b>

# Bid Procedure and Recommendation

## Bid Procedures

- Standard bid process (advertise and public bid opening)
- Lowest conforming bidders for each chemical recommended

## Recommendation

- Adopt the respective specification for each chemical bid and authorize the General Manager to enter into an agreement with the lowest conforming bidder for each of the chemicals



LONG BEACH  
**Utilities**  
Water · Gas · Sewer