

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

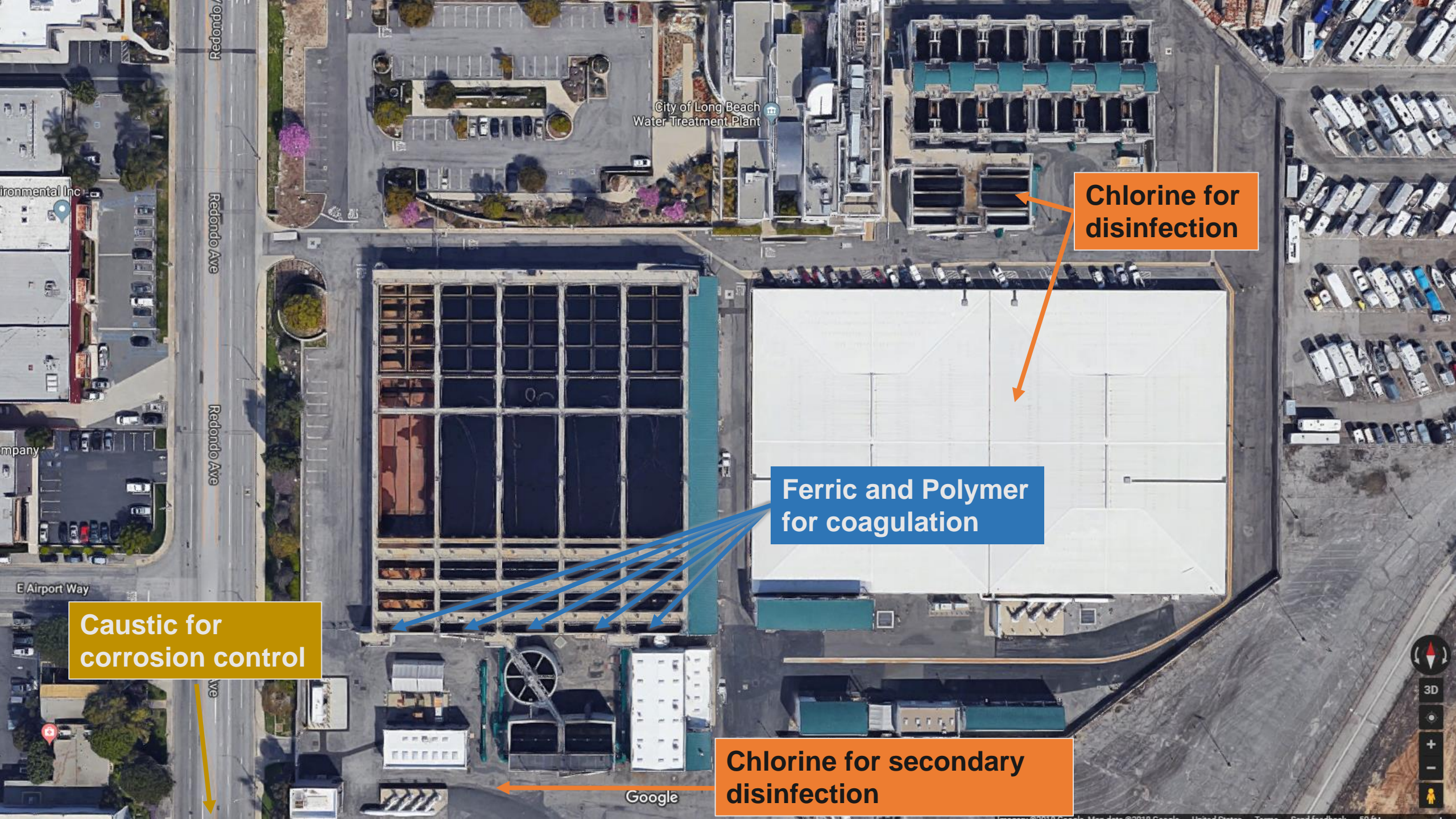
WD-23-045
(Polymer)



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**

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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%
Total	\$30.07	\$68.10	\$76.57	12%	150%

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