

All chemicals except Carbon have contract unit pricing for calendar years 2018 and 2019; FY 19 pricing is known FY20 pricing uses half year of known 2019 pricing and half year of estimated 2020 calendar year pricing

Carbon unit pricing good thru calendar 2018; New 2-yr contract bid needed for 2019-2020; FY19 pricing known for half FY and estimated for second half FY19 ; FY2020 unit estimated

Updated 1/5/18	WTP total FY19 Budget Tons	FY 19 unit price	FY 19 est budget	budget fy 18 est	Increase in budget FY 19
Activated Carbon*	2020	1285	\$2,595,700	\$2,766,960	-\$171,260
Ammonia	365	1042	\$380,330	\$385,560	-\$5,230
Quicklime	500	139.3	\$69,650	\$72,432	-\$2,782
Ferric Chloride	5700	1305	\$7,438,500	\$6,258,473	\$1,180,028
Fluorosilicic Acid	330	912.5	\$301,125	\$407,129	-\$106,004
Hydrated Lime bax	4200	141.41	\$593,922	\$573,500	\$20,422
Hydrated Lime ql	2750	139.28	\$383,020	\$358,438	\$24,582
NonIonic Polymer drums	18	429	\$7,722	\$6,799	\$923
Cationic Polymer drums	50	270	\$13,500	\$11,146	\$2,354
Polymer liquid cat TE tons	30	1380	\$41,400	\$34,148	\$7,252
Potassium Permanganate bins**	77	10154	\$781,858	\$1,302,567	-\$520,709
Sodium Phosphate Lime dispersant	104	263.63	\$27,418	\$28,390	-\$972
Sulfuric Acid	0		\$0	\$11,000	-\$11,000
Zinc OrthoPhosphate	679	1563	\$1,061,277	\$974,161	\$87,116
Sodium Hypochlorite night	875	1358.88	\$1,189,020	\$1,190,491	-\$1,471
Sodium Hypochlorite day	2290	1374.88	\$3,148,475	\$3,146,127	\$2,348
Copper Sulfate	40	16751.83	\$670,073		\$670,073
Sodium Hydroxide	1375	588.22	\$808,803	\$804,334	\$4,469
Dechlorination Chem	6900	14.67	\$101,233	\$138,408	-\$37,176
TOTAL			\$19,613,025	\$18,470,613	\$1,142,963

6.19% change in FY19 from FY18

*carbon price estimated since contract ends 12/31/18/all other unit prices actual thru calendar year 2019

**Potassium Permanganate re-bid in November 2017

All chemicals except Carbon have contract unit pricing for calendar years 2018 and 2019; FY 19 pricing is known FY20 pricing uses half year of known 2019 pricing and half year of estimated 2020 calendar year pricing

Carbon unit pricing good thru calendar 2018; New 2-yr contract bid needed for 2019-2020; FY19 pricing known for half FY and estimated for second half FY19 ; FY2020 unit estimated

	est FY20 pricing; based calendar yr 2019 unit costs and market adjustment/	FY2020 est budget	Budget \$ Change from FY19	% Price Change Predicted FY20 for FY19
Activated Carbon	\$1,325	\$2,676,500	\$80,800	3.11%
Ammonia	\$1,050	\$383,250	\$2,920	0.77%
Quicklime	\$141	\$70,347	\$697	1.00%
Ferric Chloride	\$1,335	\$7,609,500	\$171,000	2.30%
Fluorosilicic Acid	\$945	\$311,850	\$10,725	3.56%
Hydrated Lime bax	\$144	\$604,800	\$10,878	1.83%
Hydrated Lime ql	\$141	\$386,850	\$3,830	1.00%
NonIonic Polymer drums	\$435	\$7,838	\$116	1.50%
Cationic Polymer drums	\$274	\$13,703	\$203	1.50%
Polymer liquid cat TE tons	\$1,405	\$42,150	\$750	1.81%
Potassium Permanganate bins	\$10,154	\$781,858	\$0	0.00%
Sodium Phosphate Lime	\$266	\$27,692	\$274	1.00%
Sulfuric Acid	\$0	\$0	\$0	
Zinc OrthoPhosphate	\$1,575	\$1,069,425	\$8,148	0.77%
Sodium Hypochlorite night	\$1,428	\$1,249,835	\$60,815	5.11%
Sodium Hypochlorite day	\$1,420	\$3,251,800	\$103,325	3.28%
Copper Sulfate	\$19,206	\$768,253	\$98,180	14.65%
Sodium Hydroxide	\$645	\$886,245	\$77,443	9.57%
Dechlorination Chem	\$16	\$110,400	\$9,167	9.06%
TOTAL		\$20,252,294	3.26%	3.44%

Note; 2020 start of new contract period for chemicals
2019 start of Carbon contract