

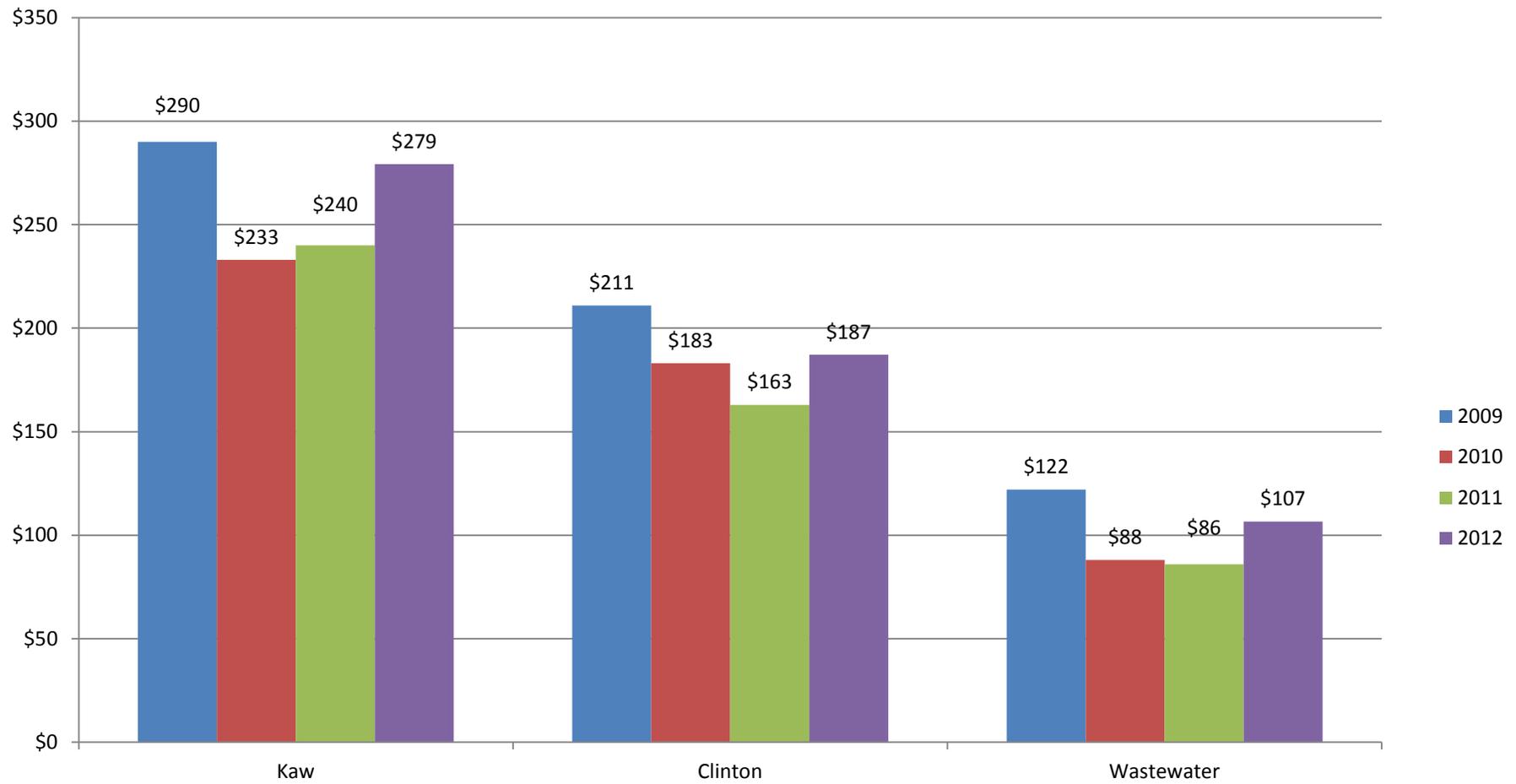
## Chemical Unit Price Comparison 2009 - 2013

<b>Kaw Chemicals</b>	<b>Unit of Measure</b>	<b>Unit Cost for 2009</b>	<b>Unit Cost for 2010</b>	<b>Unit Cost for 2011</b>	<b>Bid Unit Cost for 2012</b>	<b>Bid Unit Cost for 2013</b>
Aluminum Sulfate	LBS	\$0.26	\$0.26	\$0.28	\$0.30	\$0.3015
Aqua Ammonia	Gallon	\$1.37	\$0.89	\$1.46	\$1.74	\$1.19
Carbon Dioxide	LBS	\$0.04	\$0.03	\$0.03	\$0.04	\$0.04
Chlorine Gas	LBS	\$0.26	-	-	-	-
Lime	LBS	\$0.06	\$0.06	\$0.06	\$0.07	\$0.06625
Phosphate	Gallon	\$12.74	\$12.73	\$10.75	\$12.10	\$9.47
Polymer	LBS	\$0.61	\$0.55	\$0.55	\$0.68	\$0.62
Powder Activated Carbon	LBS	\$0.58	\$0.58	\$0.49	-	-
Calgon Carbon	LBS	-	-	\$0.70	\$0.77	\$1.395
Soda Ash	LBS	\$0.17	\$0.19	-	-	-
Sodium Bisulfite	Gallon	\$2.61	\$2.07	\$1.98	\$1.93	\$1.8961
Sodium Hypochlorite	Gallon	\$1.02	\$0.78	\$0.79	\$0.79	\$0.747
Sodium Silicofluride	LBS	\$0.41	\$0.42	\$0.42	\$0.45	\$0.45

<b>Clinton Chemicals</b>	<b>Unit of Measure</b>	<b>Unit Cost for 2009</b>	<b>Unit Cost for 2010</b>	<b>Unit Cost for 2011</b>	<b>Bid Unit Cost for 2012</b>	<b>Bid Unit Cost for 2013</b>
Aqua Ammonia	Gallon	\$1.37	\$0.89	\$1.46	\$1.74	\$1.19
Calgon Carbon	LBS	\$0.85	\$0.86	\$0.70	\$0.77	\$1.395
Ferric Chloride	Gallon	\$1.50	\$1.40	\$1.50	\$1.60	\$1.59
Lime	LBS	\$0.06	\$0.06	\$0.06	\$0.07	\$0.06625
Polymer	LBS	\$0.55	\$0.55	\$0.55	\$0.73	\$0.70
Powder Activated Carbon	Ton	\$0.58	-	-	-	-
Sodium Bisulfite	Gallon	\$2.61	\$2.07	\$1.98	\$1.93	\$1.8961
Sodium Hexametaphosphate	LBS	\$1.53	\$1.13	\$1.05	\$1.15	-
Sodium Hypochlorite	Gallon	\$1.02	\$0.78	\$0.79	\$0.79	\$0.747
Sodium Silicofluride	LBS	\$0.41	\$0.42	\$0.42	\$0.45	\$0.45

<b>Wastewater Chemicals</b>	<b>Unit of Measure</b>	<b>Unit Cost for 2009</b>	<b>Unit Cost for 2010</b>	<b>Unit Cost for 2011</b>	<b>Bid Unit Cost for 2012</b>	<b>Bid Unit Cost for 2013</b>
Clarfloc 617	LBS	\$1.14	\$1.07	\$1.00	\$1.06	\$0.98
Ferric Chloride	Gallon	\$1.50	\$1.40	\$1.50	\$1.60	\$1.59
Ferrous Chloride	Gallon	\$1.25	\$0.46	\$0.52	\$0.48	\$0.53
Magnafloc 110L	LBS	\$2.37	\$1.03	\$1.59	\$2.00	\$2.02
PPM (Carus)	LBS	\$2.73	\$3.10	\$3.10	\$3.15	\$3.15
Quick lime	LBS	\$0.06	\$0.06	\$0.07	\$0.06	\$0.06625
Silica Sand	Bag	\$8.80	\$8.85	-	-	-
Sodium Bisulfite - bulk	Gallon	\$2.61	\$2.30	\$1.98	\$2.40	-
Sodium Hypochlorite	Gallon	\$1.02	\$0.78	\$0.79	\$0.79	\$0.747
Tramfloc/Anti foamer	LBS	\$2.05	\$2.35	\$2.90	\$2.80	\$3.20
Sodium Bisulfite - Tote	Gallon	-	-	-	\$1.93	\$1.8961

## Total Chemical Cost per Million Gallons Treated (2009 - 2012\*)



\*2012 through October 31