

600 Zone Water Storage Alternatives Estimated Capital Costs - Elevated Tank

Mar-13

Baker Elevated Tank - 600-Zone Site Selection Study 2012		H&S Elevated Tank - 600-Zone Facility Plan 2006		H&S Elevated Tank - Water Master Plan 2012	
Tank Size	2 MG	Tank Size	3 MG	Tank Size	2 MG
Land	\$ -	Land	\$ -	Land	\$ -
Construction		Construction		Construction	
Tank ONLY	\$ 4,000,000	Tank ONLY	\$ 4,231,000	Tank ONLY	\$ 2,500,000
Site/Mech/Elec/Etc	\$ 605,000	Site/Mech/Elec/Etc	\$ 1,567,000	Site/Mech/Elec/Etc	\$ 800,000
Gen Reqts	5% \$ 230,000	Gen Reqts	5% \$ 290,000	Gen Reqts	5% \$ 170,000
OH&P	10% \$ 460,000	OH&P	10% \$ 580,000	OH&P	10% \$ 330,000
Contingency	15% \$ 790,000	Contingency	15% \$ 1,000,000	Contingency	15% \$ 570,000
Subtotal	\$ 6,090,000	Subtotal	\$ 7,670,000	Subtotal	\$ 4,370,000
Engineering & Admin	20% \$ 1,220,000	Engineering & Admin	20% \$ 1,530,000	Engineering & Admin	20% \$ 870,000
Project Cost	\$ 7,310,000	Project Cost	\$ 9,200,000	Project Cost	\$ 5,240,000
Per gallon		Per gallon		Per gallon	
Tank ONLY	\$ 2.00	Tank ONLY	\$ 1.50	Tank ONLY	\$ 1.30
Site work, etc.	\$ 0.40	Site work, etc.	\$ 0.60	Site work, etc.	\$ 0.40
Total Const w/Conting.	\$ 3.10	Total Const w/Conting.	\$ 2.60	Total Const w/Conting.	\$ 2.20
Total Project	\$ 3.70	Total Project	\$ 3.10	Total Project	\$ 2.70



Average Cost Elevated Tank - Average Cost 2013	
Tank Size	2 MG
Land	\$ -
Construction	
Tank ONLY	\$ 3,100,000
Site/Mech/Elec/Etc	\$ 825,000
Gen Reqts	5% \$ 200,000
OH&P	10% \$ 390,000
Contingency	15% \$ 680,000
Subtotal	\$ 5,200,000
Engineering & Admin	20% \$ 1,040,000
Project Cost	\$ 6,240,000
Per gallon	
Tank ONLY	\$ 1.60
Site work, etc.	\$ 0.50
Total Const w/Conting.	\$ 2.70
Total Project	\$ 3.20

Estimated Capital Costs - Ground Storage Tank

H&S 600-Zone Gnd Storage Tank & BPS Scenario 1 2013		H&S 600-Zone Gnd Storage Tank & BPS Scenario 2 2013		H&S 600-Zone Gnd Storage Tank & BPS Scenario 3 2013	
Tank Size	2 MG	Tank Size	2 MG	Tank Size	2 MG
Land	\$ -	Land	\$ -	Land	\$ -
Construction		Construction		Construction	
Tank ONLY	\$ 2,392,300	Tank ONLY	\$ 2,392,300	Tank ONLY	\$ 2,392,300
Site/Mech/Elec/Etc	\$ 4,414,700	Site/Mech/Elec/Etc	\$ 4,414,700	Site/Mech/Elec/Etc	\$ 6,374,700
Gen Reqts	5% \$ 340,000	Gen Reqts	5% \$ 340,000	Gen Reqts	5% \$ 440,000
OH&P	10% \$ 680,000	OH&P	10% \$ 680,000	OH&P	10% \$ 880,000
Contingency	15% \$ 1,170,000	Contingency	15% \$ 1,170,000	Contingency	15% \$ 1,510,000
Subtotal	\$ 9,000,000	Subtotal	\$ 9,000,000	Subtotal	\$ 11,600,000
Engineering & Admin	20% \$ 1,800,000	Engineering & Admin	20% \$ 1,800,000	Engineering & Admin	20% \$ 2,320,000
Project Cost	\$ 10,800,000	Project Cost	\$ 10,800,000	Project Cost	\$ 13,920,000
Per gallon		Per gallon		Per gallon	
Tank ONLY	\$ 1.20	Tank ONLY	\$ 1.20	Tank ONLY	\$ 1.20
Site work, etc.	\$ 2.30	Site work, etc.	\$ 2.30	Site work, etc.	\$ 3.20
Total Const w/Conting.	\$ 4.50	Total Const w/Conting.	\$ 4.50	Total Const w/Conting.	\$ 5.80
Total Project	\$ 5.40	Total Project	\$ 5.40	Total Project	\$ 7.00