



City of Abernathy
Water System Improvements
Brackish Water Desalinization
Preliminary Opinion of Probable Construction Cost
May 2, 2016



Item No.	Description	Unit	Quantity	Unit Price	Extension
New Water Brackish Treatment Plant					
1	Mobilization/Demobilization	LS	1	\$115,000	\$115,000
2	Site Work (Access Road/Grading of Site/Concrete Paving)	LS	1	\$15,000	\$15,000
3	Reverse Osmosis (250 gpm permeate) Skid-Mounted Unit	EA	2	\$280,000	\$560,000
4	RO Membranes/Elements (8"x40", high pressure)	EA	120	\$600	\$72,000
5	Clean-in-Place Skid Unit	EA	1	\$64,270	\$64,270
6	Booster Feed Pump Skid	EA	2	\$104,980	\$209,960
7	Chemical Feed Skids (Anti-Scalant and Caustic)	EA	3	\$24,750	\$74,250
8	Building improvements and piping	LS	1	\$85,000	\$85,000
9	New GST for Concentrate Water (50,000 gal)	EA	1	\$75,000	\$75,000
10	Booster Pump Skid for Concentrate	EA	1	\$90,000	\$90,000
12	Electrical (Site and Building)	LS	1	\$170,000	\$170,000
13	Generator	LS	1	\$180,000	\$180,000
14	Yard Piping, Valves, Fittings, Meters	LS	1	\$150,000	\$150,000
15	Pre-Cast Concrete (Vaults, Outfall, Manhole)	LS	1	\$54,000	\$54,000
16	Chlorine System	LS	1	\$45,000	\$45,000
17	PVC Water Line / Discharge Structure for Stream Discharge	LF	17,253	\$52	\$897,130
Contingency and Inflation					\$571,300
Subtotal					\$3,427,900
New Water Brackish Water Supply Infrastructure					
18	Brackish Water Well (880 yard spacing)	EA	3	\$750,000	\$2,250,000
19	Collection Piping	LF	7,180	\$65	\$466,700
Contingency and Inflation					\$543,340.00
Subtotal					\$3,260,040.00
Opinion of Probable Construction Cost					\$6,687,940

*For preliminary use only. Not to be used for construction permitting or other construction purposes.
 **Estimate does not include land or right-of-way costs
 ***Estimate does not include engineering, surveying, testing or construction representation