

Capital and Annualized Costs
Eastside Subbasin - Project No. 4, Eastside Irrigation Supply
(Preliminary Opinion of Probable Cost)

Line No.	Description		Units		Total
1	Project Yield		acre-feet per year		3,000
2	Facility Life		years		25
3	Interest Rate		%		6
4	Capital Cost		\$		\$139,928,000
5	Cost Recovery Factor		--		0.078
6	Annualized Capital Cost		\$		\$10,946,600
7	Annual O&M Cost		\$		\$990,000
8	Total Annualized Cost		\$		\$11,936,600
9	Unit Cost		\$/AF		\$3,980
CAPITAL COSTS					
Line No.	Capital	Quantity	Unit	Unit Cost	Total Cost
10	Mobilization/Demobilization	1	LS	\$3,955,000	\$3,955,000
11	Environmental and Stormwater	1	LS	\$11,494,000	\$11,494,000
12	Extraction Wells	1	LS	\$8,865,000	\$8,865,000
13	Earthwork/Site Preparation	1	LS	\$99,000	\$99,000
14	Storage Tank at Extraction Site	1	EA	\$5,184,000	\$5,184,000
15	Pump Station at Extraction Site	1	EA	\$3,576,960	\$3,576,960
16	Distribution System Tanks	5	EA	\$830,000	\$4,150,000
17	Distribution System PS	5	EA	\$715,000	\$3,575,000
18	Horizontal Directional Drill	625	LF	\$2,600	\$1,625,000
19	Pipeline	85,500	LF	\$400	\$34,200,000
20	Electrical, I&C	1	LS	\$6,338,000	\$6,338,000
21	Land Acquisition	7.5	AC	\$45,000	\$337,500
22	<i>Subtotal</i>				\$83,399,460
Line No.	Markups	Quantity	Unit	Unit Cost	Total Cost
23	Plumbing Appurtenance Contingency			30%	\$4,946,000
24	General Conditions			15%	\$12,510,000
25	Contractor Overhead and Profit			15%	\$12,510,000
26	Sales Tax			9.25%	\$1,542,900
27	Engineering, Legal, Administrative, Contingencies			30%	\$25,020,000
28	Total Capital Cost				\$139,928,000
OPERATIONS AND MAINTENANCE					
Line No.	Description	Quantity	Unit	Unit Cost	Total Cost
29	Power	1	LS	\$404,100	\$404,100
30	Labor (Tanks, Pipeline, Pump Stations)	1	LS	\$192,000	\$192,000
31	Equipment Repair & Replacement	1	LS	\$165,500	\$165,500
32	Contingency			30%	\$228,500
33	Total O&M Cost				\$990,000

NOTES:

1. "Project Yield" based on: Estimated extraction from 180/400-Foot Aquifer Subbasin from agricultural supply wells.
2. "Facility Life" selected based on 25-yr anticipated life of facilities.
3. "Interest Rate" selected within expected range for public-financing options.
4. "Capital Cost" excludes additional treatment costs.
5. "Cost Recovery Factor" based on anticipated Facility Life and Interest Rate.
6. "Annualized Capital Cost" based on facility life and interest rate.