

**Capital and Annualized Costs**  
**PP 8. 11043 Diversion Facilities Phase II: Soledad**  
**(Preliminary Cost Estimate)**

Line No.	Description		Units		Total
1	Project Yield		acre-feet per year		8,000
2	Facility Life		years		25
3	Interest Rate		%		6
4	Capital Cost		\$		\$127,838,000
5	Cost Recovery Factor		--		0.078
6	Annualized Capital Cost		\$		\$10,000,800
7	Annual O&M Cost		\$		\$1,645,700
8	Total Annualized Cost		\$		\$11,646,500
9	<b>Unit Cost</b>		<b>\$/AFY</b>		<b>\$1,460</b>
<b>CAPITAL COSTS</b>					
Line No.	Capital	Quantity	Unit	Unit Cost	Total Cost
<b>Phase II - Soledad Diversion</b>					
10	Pipeline	66,150	LF	\$720	\$47,628,000
11	Radial Collector, Booster Pump System (27 MGD firm capacity)	1	LS	\$5,851,000	\$5,851,000
12	Radial Collector, Electrical and Controls	1	LS	\$3,148,000	\$3,148,000
13	Radial Collector, Concrete Structures and Laterals	1	LS	\$6,739,000	\$6,739,000
14	Infiltration Basins (including land costs)	1	EA	\$3,000,000	\$3,000,000
15	<i>Subtotal</i>				\$66,366,000
Line No.	Markups	Quantity	Unit	Unit Cost	Total Cost
16	Plumbing Appurtenance Contingency			30%	\$19,909,800
17	General Conditions			15%	\$9,954,900
18	Contractor Overhead and Profit			15%	\$9,954,900
19	Sales Tax			8.75%	\$1,742,100
20	Engineering, Legal, Administrative, Contingencies			30%	\$19,909,800
21	<b>Total Capital Cost</b>				\$127,838,000
<b>OPERATIONS AND MAINTENANCE</b>					
Line No.	Description	Quantity	Unit	Unit Cost	Total Cost
22	Power	1	LS	\$249,800	\$249,800
23	Labor (Diversion Facilities, Basins)	1	LS	\$710,400	\$710,400
24	Equipment Repair & Replacement	1	LS	\$213,100	\$213,100
29	Miscellaneous Allowance	1	LS	\$92,580	\$92,600
30	Contingency			30%	\$379,800
31	<b>Total O&amp;M Cost</b>				\$1,645,700

**NOTES:**

1. "Project Yield" based on: 42 cfs pumping 120 days per year at both Chualar and Soledad with new radial collector well.
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" includes 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.
7. "Unit Cost" estimate includes unit cost for treatment components of project.