

**Water Calculations and Cost Estimates  
Cold Springs**

## Estimated Costs for the Facilities in Cold Springs

No.	Description	Qty.	Unit	Unit Cost	Total Cost	Reno TMSA	County TMSA	
<b>1 Airport Property to Wallach IX Southwest Boundary</b>								
1.1	<b>Transmission</b>							
	36" Pipe	15,640	L.F.	\$432	\$6,756,500	\$ 5,786,020	\$ 970,480	
	30" Pipe	8,110	L.F.	\$360	\$2,919,600	\$ 2,291,610	\$ 627,990	
	24" Pipe	4,110	L.F.	\$288	\$1,183,700	\$ 908,190	\$ 275,510	
	Pump Station 1	1,805	hp		\$2,001,770	\$ 1,715,050	\$ 286,720	
1.2	<b>Storage</b>							
	Tank (Northwest Tank)	5,000,000	Gal	\$1	\$5,000,000	\$ 4,365,000	\$ 635,000	
					<b>Subtotal =</b>	<b>\$ 17,861,600</b>		
<b>2 Wallach IX Boundary to North end of White Lake</b>								
2.1	<b>Transmission</b>							
	24" Pipe	10,820	L.F.	\$216	\$2,337,100	\$ 2,084,100	\$ 253,000	
	14" Pipe	3050	L.F.	\$216	\$658,800	-	\$ 658,800	
2.2	<b>Storage</b>							
	Tank (North Cold Spring)	1,000,000	Gal	\$1	\$1,000,000	\$ 873,000	\$ 127,000	
					<b>Subtotal =</b>	<b>\$ 3,995,900</b>		
<b>3 White Lake North end to South end (in US-395)</b>								
3.1	<b>Transmission</b>							
	20" Pipe	15,000	L.F.	\$288	\$4,320,000	\$ 4,285,980	\$ 34,020	
					<b>Subtotal =</b>	<b>\$ 4,320,000</b>		
<b>4 South White Lake end (in US-395) to the South Cold Spring Tank</b>								
4.1	<b>Transmission</b>							
	18" Pipe	2,650	L.F.	\$216	\$572,400	\$ 572,400	-	
	16" Pipe	8,310	L.F.	\$192	\$1,595,500	\$ 1,595,500	-	
	14" Pipe	5,540	L.F.	\$168	\$930,700	\$ 930,700	-	
	Pump Station 2	203	hp		\$591,400	\$ 591,400	-	
	Pump Station 3	92	hp		\$400,000	\$ 400,000	-	
4.2	<b>Storage</b>							
	Tank (Southeast Cold Spring)	2,100,000	Gal	\$1	\$2,100,000	\$ 1,833,300	\$ 266,700	
	Tank (South Cold Spring)	1,500,000	Gal	\$1	\$1,500,000	\$ 1,309,500	\$ 190,500	
					<b>Subtotal =</b>	<b>\$ 7,690,000</b>		
<b>Construction Total</b>						<b>\$ 33,868,000</b>	<b>\$ 29,542,000</b>	<b>\$ 4,326,000</b>
<b>5 Other Costs</b>								
	Engineering Cost (20%)				\$ 6,773,600	\$ 5,908,400	\$ 865,200	
	Contingency (20%)				\$ 6,773,600	\$ 5,908,400	\$ 865,200	
					<b>Subtotal =</b>	<b>\$ 13,547,000</b>		
<b>6 Costs from Stead Area</b>								
	Transmission				\$ 10,730,000	\$ 10,730,000	\$ 9,193,090	
<b>Total =</b>						<b>\$ 58,145,000</b>	<b>\$ 50,552,000</b>	<b>\$ 7,593,000</b>

Note: 20 Cities ENRCCI = 7,942 May 2006