

**Water Calculations and Cost Estimates  
Spring Mountain**

### Estimated Costs for the Facilities in Spring Mountain

No.	Description	Qty.	Unit	Unit Cost	Cost	East	Central	West	
<b>1 From South End of West Area Development to Tank 8</b>									
<b>1.1 Transmission</b>									
	30" Pipe	13,520	L.F.	\$360	\$4,867,200	\$ 2,324,560	\$ 1,643,400	\$ 899,240	
	16" Pipe	1,460	L.F.	\$192	\$280,300	-	-	\$280,300	
	14" Pipe	3,560	L.F.	\$168	\$598,100	-	-	\$598,100	
	12" Pipe	4,820	L.F.	\$144	\$694,100	-	-	\$694,100	
	10" Pipe	18,400	L.F.	\$120	\$2,208,000	-	-	\$2,208,000	
<b>1.2 Storage</b>									
	Tanks	1,850,000	Gal	\$1	\$1,850,000	-	-	\$1,850,000	
					<b>Subtotal =</b>	<b>\$ 10,498,000</b>			
<b>2 From Vidler Connection to the South End of Central Area</b>									
<b>2.1 Transmission</b>									
	30" Pipe	25,820	L.F.	\$360	\$9,295,200	\$5,445,430	\$3,849,770	-	
	24" Pipe	2,070	L.F.	\$288	\$596,160	\$349,250	\$246,910	-	
	14" Pipe	2,490	L.F.	\$168	\$418,300	-	\$418,300	-	
	12" Pipe	13,490	L.F.	\$144	\$1,942,600	-	\$1,942,600	-	
	10" Pipe	16,780	L.F.	\$120	\$2,013,600	-	\$2,013,600	-	
	Booster Pump Station 1	82	hp		\$400,000	-	\$400,000	-	
	Booster Pump Station 2	62	hp		\$400,000	-	\$400,000	-	
<b>2.2 Storage</b>									
	Tanks	3,400,000	Gal	\$1	\$3,400,000	\$263,620	\$3,136,380	-	
					<b>Subtotal =</b>	<b>\$ 18,466,000</b>			
<b>3 From South End of Central Area to East Area</b>									
<b>3.1 Transmission</b>									
	24" Pipe	9,200	L.F.	\$288	\$2,649,600	\$2,649,600	-	-	
	20" Pipe	3,460	L.F.	\$240	\$830,400	\$830,400	-	-	
	18" Pipe	3,990	L.F.	\$216	\$861,800	\$861,800	-	-	
	16" Pipe	15,060	L.F.	\$192	\$2,891,500	\$2,891,500	-	-	
	14" Pipe	6,070	L.F.	\$168	\$1,019,800	\$1,019,800	-	-	
	12" Pipe	4,990	L.F.	\$144	\$718,600	\$718,600	-	-	
	10" Pipe	17,380	L.F.	\$120	\$2,085,600	\$2,085,600	-	-	
	Booster Pump Station 3	65	hp		\$400,000	\$400,000	-	-	
	Booster Pump Station 4	5	hp		\$400,000	\$400,000	-	-	
	Booster Pump Station 5	135	hp		\$471,000	\$471,000	-	-	
	Booster Pump Station 6	15	hp		\$400,000	\$400,000	-	-	
<b>3.2 Storage</b>									
	Tanks	4,250,000	Gal	\$1	\$4,250,000	\$4,250,000	-	-	
					<b>Subtotal =</b>	<b>\$ 16,978,000</b>			
<b>Construction Total</b>						<b>\$ 45,942,000</b>	<b>\$ 25,361,000</b>	<b>\$ 14,051,000</b>	<b>\$ 6,530,000</b>
<b>4 Other Costs</b>									
	Engineering Cost (20%)				\$ 9,188,000	\$ 5,072,200	\$ 2,810,200	\$ 1,306,000	
	Contingency (20%)				\$ 9,188,000	\$ 5,072,200	\$ 2,810,200	\$ 1,306,000	
					<b>Subtotal</b>	<b>\$ 18,376,000</b>			
<b>Total =</b>						<b>\$ 64,318,000</b>	<b>\$ 35,505,000</b>	<b>\$ 19,671,000</b>	<b>\$ 9,142,000</b>

Note: 20 Cities ENRCCI = 7,942 May 2007