

**Table 46-2. Preliminary Cost Projection
Cost Evaluation Scenarios for Aquifer Storage and Recovery Projects
Mid-Region Council of Governments**

Item No.	Item Description	Unit	Unit Cost	Quantity	Cost
<i>Enhanced Arroyo Recharge</i>					
1.0	Infiltration basin	acre	\$ 54,000.00	5	\$ 259,200
2.0	Diversion structure	lump sum	\$ 100,000.00	1	\$ 100,000
3.0	Land purchase	acre	\$ 10.00	5000	\$ 50,000
4.0	Design and permitting	lump sum	\$ 34,000.00	1	\$ 34,000
5.0	Operation and maintenance	annual	\$ 2,000.00	40	\$ 80,000
				<i>Subtotal</i>	\$ 523,200
				<i>Contingency @ 20%</i>	104,640
				Grand Total	\$ 627,840
				Annual water stored (acre-feet)	200
				Water cost per 1000 gallons (stored)	\$0.24
<i>Treated Municipal Wastewater Recharged via Infiltration Basins</i>					
1.0	Tertiary wastewater treatment upgrades	lump sum	\$ 11,000,000.00	1	\$ 11,000,000
2.0	Pipeline	mile	\$ 71,000.00	5	\$ 355,000
3.0	Infiltration basins	acre	\$ 54,000.00	15	\$ 810,000
4.0	Extraction wells	foot	\$ 6,000.00	70	\$ 420,000
5.0	Land purchase	acre	\$ 10,000.00	40	\$ 400,000
6.0	Design and permitting	lump sum	\$ 1,260,000.00	1	\$ 1,260,000
7.0	Operation and maintenance	annual	\$ 3,200,000.00	40	\$ 128,000,000
				<i>Subtotal</i>	\$ 142,245,000
				<i>Contingency @ 20%</i>	28,449,000
				Grand Total	\$ 170,694,000
				Annual water produced (acre-feet)	5,500
				Water cost per 1000 gallons (produced)	\$2.38
<i>Transfer Elephant Butte Storage and Flood Waters to Aquifer Storage</i>					
1.0	Infiltration galleries	mile	\$ 500,000.00	7	\$ 3,500,000
2.0	Pipelines	mile	\$ 1,550,000.00	50	\$ 77,500,000
3.0	Infiltration basins	acre	\$ 54,000.00	250	\$ 13,500,000
4.0	Extraction wells	foot	\$ 28,000.00	70	\$ 1,960,000
5.0	Land purchase	acre	\$ 10,000.00	500	\$ 5,000,000
6.0	Design and permitting	lump sum	\$ 955,000.00	1	\$ 955,000
7.0	Operation and maintenance	annual	\$ 5,850,000.00	40	\$ 234,000,000
				<i>Subtotal</i>	\$ 336,415,000
				<i>Contingency @ 20%</i>	67,283,000
				Grand Total	\$ 403,698,000
				Annual water stored (acre-feet)	100,000
				Water cost per 1000 gallons (stored)	\$0.31

Notes: Costs are preliminary estimates for planning purposes only. Because the estimates are preliminary, the Water Assembly requested that costs for each alternative be compared based on 2003 dollars with no present worth adjustment.