

**Preliminary Cost Projection  
Cost Evaluation Scenarios for Desalination Projects  
Mid-Region Council of Governments**

Item No.	Item Description	Unit	Unit Cost	Quantity	Cost	
<b><i>Small Scale Project (100,000 gpd)</i></b>						
1.0	Supply well	lump sum	\$ 200,000.00	1	\$ 200,000	
2.0	RO treatment plant	lump sum	\$ 350,000.00	1	\$ 350,000	
3.0	Evaporation ponds	acre	\$ 50,000.00	5	\$ 250,000	
4.0	Land purchase	acre	\$ 5,000.00	40	\$ 200,000	
5.0	Design and permitting	lump sum	\$ 80,000.00	1	\$ 80,000	
6.0	Operation and maintenance	annual	\$ 270,000.00	40	\$ 10,800,000	
					<i>Subtotal</i>	\$ 11,880,000
					<i>Contingency @ 20%</i>	2,376,000
					<b>Grand Total</b>	<b>\$ 14,256,000</b>

**Annual water produced (acre-feet) 112**  
**Water cost per 1000 gallons \$9.76**

***Large Scale Project (20,000,000 gpd)***

1.0	Supply wells	each	\$ 1,500,000.00	30	\$ 45,000,000	
2.0	RO treatment plant	lump sum	\$ 89,000,000.00	1	\$ 89,000,000	
3.0	Evaporation ponds	acre	\$ 50,000.00	320	\$ 16,000,000	
4.0	Pipeline	mile	\$ 1,150,000.00	30	\$ 34,500,000	
5.0	Land purchase	acre	\$ 5,000.00	640	\$ 3,200,000	
6.0	Design and permitting	lump sum	\$ 18,450,000.00	1	\$ 18,450,000	
7.0	Operation and maintenance	annual	\$ 19,000,000.00	40	\$ 760,000,000	
					<i>Subtotal</i>	\$ 966,150,000
					<i>Contingency @ 20%</i>	193,230,000
					<b>Grand Total</b>	<b>\$ 1,159,380,000</b>

**Annual water produced (acre-feet) 22,400**  
**Water cost per 1000 gallons \$3.98**

**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.**