

**SEWAGE TO WATER SUPPLY
MARANA SEWAGE ECONOMICS**

1. Cost of treating sewage to effluent at treatment facilities within Marana.

Facility	Cost per acre foot
Ina (serves Continental Ranch and Dove Mountain) ⁽¹⁾	\$ 720
Marana (serves Gladden Farms) ⁽²⁾	4,142

2. Cost to recharge effluent to groundwater supply.

Facility	Cost per acre foot
Lower Santa Cruz ^(3,5)	\$130
High Plains	300

3. Cost to purchase reclaimed water from City of Tucson or Tucson Water.

\$797 per acre foot ⁽⁴⁾

4. Cost to purchase recharged Central Arizona Project water from the Groundwater Replenishment District.

\$377 per acre foot ⁽⁶⁾

5. In summary, it costs at least \$850 per acre foot to treat and recharge sewage using the least cost alternatives available to Marana as opposed to purchasing \$377 per acre foot water supplies from the Central Arizona Project Groundwater Replenishment District.

6. Marana can save at least \$473 per acre foot on their long-term water supply by purchasing their water from a State agency instead of treating and recharging sewage.

Notes

⁽¹⁾Does not include cost of conveyance or pumping costs associated with Marana Sewage. Also does not include any capital costs.

⁽²⁾High costs due to small facility size with treatment capacity of 700,000 gallons per day and does not include a capital cost allocation.

⁽³⁾Cost associated with constructing, operating and maintaining a separate recharge basin managed by the Central Arizona Water Conservation District (CAWCD) for effluent recharge. Facility is constructed on County Regional Flood Control District Property.

⁽⁴⁾Retail cost of reclaimed water includes filtration, distribution and capital costs incurred by Tucson Water.

⁽⁵⁾Does not include distribution cost of transporting effluent from point of discharge to recharge basins.

⁽⁶⁾From CAWCD 2011/2012 Rate Schedule.