



The **FACTS** about Water

The true cost of water

Before a single drop of water is delivered to your home, millions of dollars have been spent to access the water, store it and build the infrastructure to deliver it to you.

Groundwater has a limited supply, and the City is held to regulatory standards to put water back into the ground gallon for gallon (which is done through the effluent recharge process), and must secure water rights for 100 years.



Residential Base Rates Adopted in 2013:

Current	2015	2016
\$22.35	\$35.76	\$39.34

After rates were adopted in 2013, Council spent another year working with staff to get rates as low as possible to meet our regulatory standards, maintain and operate water services, build infrastructure to create jobs, and continue to provide exceptional customer service. They have succeeded in lowering the **original** adopted rates to what you now see in the diagram below:

Residential Base Rates in effect as of April 16

Current	2015	2016
\$22.35	\$26.94	\$32.94

Residential water rate per 7,000 gallon usage

City of Buckeye customers (Effective 1/1/2016)



City of Buckeye water rates have only had two significant increase within the last 27 years

With population rates growing 678% there has been a much higher demand on water resources including parts and maintenance, operations and responsible future planning.

We have been asked what the true costs of water are for Buckeye. The charts on back reveal the activities and capital infrastructure necessary to provide our customers with high quality, assured water supply.

City of Buckeye Water Assets



These assets and costs are currently used to replace infrastructure from time to time. They also enable the city to encourage new jobs and retail development.

TASK	ITEM DESCRIPTION	ONE-TIME PURCHASE
Well Drilling	Average well depth drilling only	\$1,200,000
Well Equipping	Pumps, electrical, building, appurtenances	\$800,000
Storage Tank Construction	One million gallon tank	\$1,200,000
Land Acquisition	One (5acre) site for a water campus	\$150,000
Pipe installation	Average price per mile for water/sewer pipe	\$1,000,000
Engineering	Engineering cost for one campus	\$300,000
Recharge Facility	Cost for small recharge facility	\$6,000,000
Storage Tank Recoating	Int. recoating and ext. painting	\$300,000
Arsenic Treatment Vessel	Install one treatment vessel	\$500,000
Water Booster Pumps	Install one with controls	\$150,000
Hydrant repair	Annual cost to maintain hydrants	\$80,000
Hydrology	Annual Hydrology Costs	\$210,000
Legal	Annual legal costs	\$190,000
Wastewater Treatment	Cost to build facility at 1million gals./day	\$12,000,000
Sewer line cleaning	Annual cost to maintain sewer lines	\$220,000
Laboratory Fees	Annual costs	\$160,000
Chemicals	Annual costs	\$375,000
Electricity	Annual electricity costs	\$1,915,000
Misc. Utilities	Annual Utility Costs	\$60,000
Telephone/Technology Costs	Annual costs	\$220,000
Meter Replacement	Annual meter purchase only	\$335,000
Permits, Licenses	Annual Cost	\$340,000
Water Rights Leases	Annual Cost	\$130,000
Engineering Fees	Annual for Water/Wastewater/Recharge	\$500,000
Pump or Blower replacement	Replace at least 5 per year	\$250,000
Flood Irrigation	Cost to provide service annually	\$315,000

City of Buckeye Water Infrastructure

CITY INFRASTRUCTURE	QUANTITIES	CITY INFRASTRUCTURE	QUANTITIES
Potable Wells	59	Sewer Lines (miles)	400
Storage Tanks	14	Water Lines (miles)	412
Storage Tank Capacity	15.5 million gallons	Water Meters Installed	approximately 19,000
Drain Wells	9	Sewer Customers	17,630
Wastewater Treatment Plants	4	Recharge Facilities	0
Lift Stations	3		