

Reduce your water use and reduce your water bill by learning more about living Water\$mart. Sign up for one of the Water\$mart Workshops conducted by the University of Arizona Pima County Cooperative Extension Low 4 Program sponsored by Tucson Water.

July 7, 2007 (Saturday)

Pima County Cooperative Extension
4210 N. Campbell Avenue, Tucson
9:00am–12:00pm Desert Landscaping

July 28, 2007 (Saturday)

Pima County Cooperative Extension
4210 N. Campbell Avenue, Tucson
9:00am - 11:00am Harvesting Rainwater
for Landscape Use

August 18, 2007 (Saturday)

Pima County Cooperative Extension
4210 N. Campbell Avenue, Tucson
9:00am–12:00pm Hands-On Drip
Irrigation*
1:00pm–3:00pm Irrigation Timer Use

September 5, 2007 (Wednesday)

Golf Links Library
9640 E. Golf Links Road, Tucson
9:00am–12:00pm Desert Landscaping

September 29, 2007 (Saturday)

Pima County Cooperative Extension
4210 N. Campbell Avenue, Tucson
9:00am–12:00pm Hands-On Drip
Irrigation*
1:00pm–3:00pm Irrigation Timer Use

To register for a Workshop, call Teri at (520) 626-5161. Advance registration is recommended for all Workshops, but is **required** for “Hands-On Drip Irrigation” classes, which have a \$10 fee. Tucson Water helps sponsor these Workshops each year. For more information, visit <http://cals.arizona.edu/pima/smartscape/index.html>

Water 101

New Water Rates

On July 9th, Tucson Water’s new water rates for both potable and reclaimed service will go into effect. Monthly water bills will increase—how much is dependent upon water usage and customer class—but for most single-family households the maximum increase will likely be \$1.27 per month. Single-family customers represent nearly 90% of all customers.

Tucson Water’s water rates are based primarily on recovering the cost of serving each class of customer (such as residential, commercial, etc). Once a cost study, with policy input from the Citizens’ Water Advisory Committee (CWAC) and the Mayor and Council, has determined the amount of cost to be recovered from each class, rates can be designed to accomplish the recovery. In addition, however, rates must also be designed to send a conservation message- the lower the water usage, the lower the bill. This year, for the 77% of single-family household customers who use no more than 15 Ccf of water, the monthly bill will increase a maximum of \$1.27 (1 Ccf = 100 cubic feet = 748 gallons). However, the customer who uses 30 Ccf will see a monthly bill increase of \$5.47.

Water 101 continued inside

Have a question for Water 101 or a suggestion for a topic? Call us at 791-4331 or e-mail to TW_Web1@ci.tucson.az.us

New Water Rates

Water 101 continued from front

Where does the money go? Tucson Water continues to focus on securing and using other sources of water besides groundwater to enhance drought resistance and ensure the sustainability of our region. We are continuing to accelerate the purchase of Colorado River water delivered via the Central Arizona Project (CAP) and to expand our capacity to recharge this water and recover it for delivery to our customers. These efforts are costly. For example, just to have the water delivered to Tucson this year, we must pay the State agency administering the CAP around \$9.1 million.

Reclaimed water rates will also increase on July 9. For a complete listing of the new rates, please check out our web site:

www.tucsonaz.gov/water/newrates.htm

All of us face price increases in everything from milk and gasoline to cable television; no one likes higher prices. Tucson Water looks for efficiencies and other cost reductions to hold down our rate increases. But acquiring and using new sources of water, constructing new infrastructure facilities to manage the water and deliver it to customers, all while maintaining the quality of the water, is expensive. Tucson Water is committed to providing a reliable source of quality water for our customers. We consistently do that in a desert community where water is a precious natural resource. The average price of water service under the new rates, regardless of customer class or how rates are structured, is less than a penny per gallon. We hope you will think that's a pretty good deal.

Construction Begins on Clearwater Phase 2



In June, Tucson Water broke ground on the second phase of the Clearwater Renewable Resource Facility in southern Avra Valley. Phase 2 will allow Tucson Water to recharge, recover and

deliver 54 million gallons of blended water a day to its customers, improving our drought-resistance and enhancing the sustainability of our region.

The first step in construction is the installation of approximately 5½ miles of 60-inch diameter pipeline to deliver Colorado River water from the Central Arizona Project canal to the Phase 2 recharge facility.

When complete, the Clearwater Phase 2 project will include:

- 9 recharge basins
- 34 wells recovering the blend of recharged Colorado River water and groundwater
- A reservoir and pumping station
- 20 miles of pipeline connecting the water source to the recharge basins

Tucson Water will begin recharging water at the facility by next summer. With the completion of Clearwater Phase 2, Tucson Water will be able to recharge and recover nearly all of the City's 47 billion gallon Colorado River water annual allocation.



On the Water Front

June was an important month for Tucson Water and its customers.

We broke ground on Clearwater Phase 2, a new recharge facility that will let us store more Colorado River water and allow it to blend with the native groundwater in Avra Valley.

The western part of the country stays locked in a long-term drought that continues to affect the Colorado River and its reservoirs – the primary source of our water. The new recharge facility will store nearly all our remaining allocation of Colorado River water, and helps solidify our rights to that water if a formal shortage is declared on the River by the federal government. Because this renewable supply is now our main source of water, losing a portion of it could force us to over pump our groundwater supplies to meet the needs of our customers, with the resulting negative consequences to our environment.

This investment, both in the additional Colorado River water and in the Clearwater Facility, was made possible in part by the Mayor and Council approval of our financial plan and a modest increase in water rates (about \$1.27 per month for 77% of our single-family household customers). They also approved a new CAP Natural Resource Fee on new

construction that will help pay for the additional water resources needed to serve new customers.

We've also increased our System Equity Fee, which was instituted several years ago to cover the costs of increasing the size of our water system to supply additional customers.

These two fees are paid at the time that a new water connection is added to our system. Together they continue our policy of ensuring that growth pays its fair share of the costs of serving the new customers it brings us.

All these actions reinforce Tucson Water's commitment to ensuring a reliable supply of high quality water for you, our customers. We will continue to work to improve the sustainability of our region where water is always our most important natural resource.

Dave Modeer
Director, Tucson Water

Clearwater Quality Report

Most recent water quality data (May 14 – June 14)

60	Sodium (mg/L) (June 5)
415.6	Mineral (mg/L) (May 14 – June 14 avg.)
154	Hardness (mg/L) (May 7)
8.02	pH (S.U.) (May 14 – June 14 average)
Neg	Coliform Bacteria (May 3)
0.90	Chlorine level(mg/L) (May 14 – June 14 avg.)
84.7	Temp (deg F) (May 14 – June 14 avg.)

Visit the Tucson Water Web site at www.tucsonaz.gov/water

Your Water Connection is produced by Tucson Water. To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to: Tucson Water, Customer Information, P.O. Box 27210, Tucson, AZ 85726-7210.

City of Tucson TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.

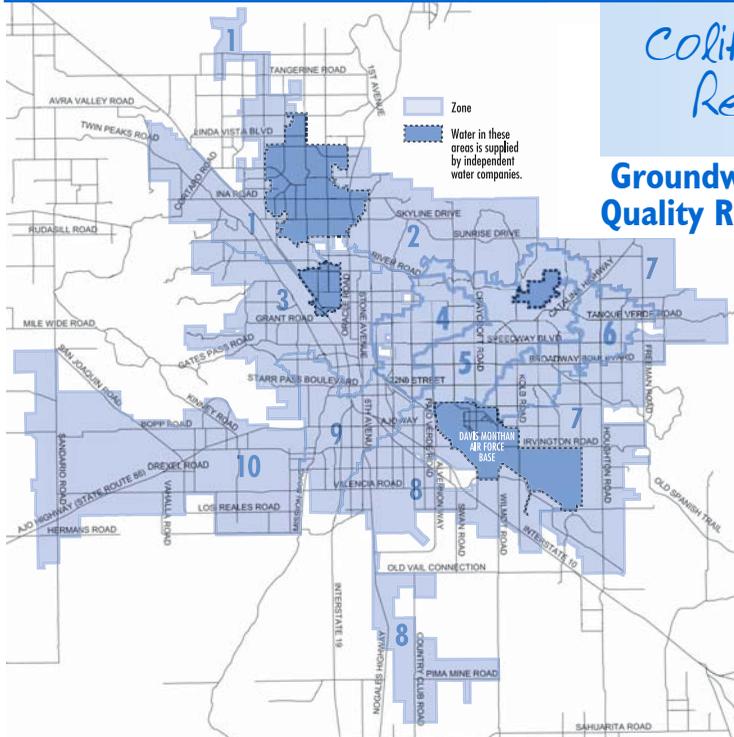


Groundwater Quality Report - May 2007

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (mg/L)* 84 SAMPLING POINTS	Average	56	57	50	48	50	50	40	43	46	46	48
	Range	43-75	54-58	16-63	33-58	46-58	41-54	26-56	40-46	37-60	37-58	16-75
Mineral Content (mg/l)* 247 SAMPLING POINTS	Average	420	396	381	343	363	361	290	401	347	306	360
	Range	266-527	353-413	164-461	189-414	184-412	238-407	179-403	342-455	206-586	213-413	164-586
Hardness (mg/L)** 84 SAMPLING POINTS	Average	233	177	172	143	162	172	141	218	116	113	161
	Range	202-278	165-184	81-248	99-178	90-200	146-195	86-183	156-271	68-179	69-178	68-278
pH (S.U.) 247 SAMPLING POINTS	Average	7.6	7.9	7.9	7.8	7.7	7.7	7.7	7.5	7.7	7.8	7.8
	Range	7.4-8.0	7.8-8.0	7.4-8.1	7.3-8.0	7.1-7.9	7.4-8.0	7.4-7.9	6.9-7.6	7.1-7.9	7.3-8.0	6.9-8.1
Temperature (deg F) 247 SAMPLING POINTS	Average	81	85	83	86	84	84	83	82	85	83	84
	Range	75-86	83-87	73-89	83-89	80-88	79-87	78-87	78-85	80-90	80-86	73-90

Coliform Bacteria Testing Results - May 2007

Groundwater Quality Report



EPA Standard for Positive Samples

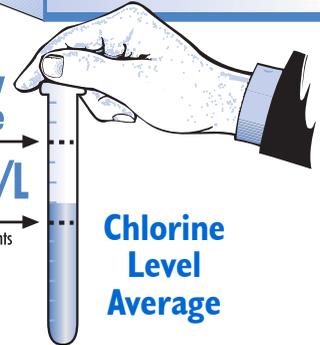
5%

Number of Positive Samples for Total Coliform

0.0%



Monthly Average
0.7 mg/L
247 Sample Points



* mg/L means milligrams per liter; 1 mg/L = 1 teaspoon in 1,302 gallons

** 17.1 milligrams per liter (mg/L) = 1 grain per gallon; Therefore, the system-wide hardness average as reported for May 2007: 161 mg/L divided by 17.1 = 9.415 grains per gallon.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.

With the exception of chlorine and coliform bacteria, none of the water quality parameters reported here have U.S. Environmental Protection Agency primary standards set for them. For more information about primary and secondary water quality standards, visit Tucson Water's Web site at www.tucsonaz.gov/water.