

WRRC
WATER RESOURCES RESEARCH CENTER



COLLEGE OF
AGRICULTURE
& LIFE SCIENCES

COOPERATIVE EXTENSION

Conserve2Enhance Dashboard

UA-ASU Advanced Water Education Workshop

July 16, 2014

Candice Rupprecht

candicer@cals.arizona.edu

(520) 621-6318



wrrc.arizona.edu



About Contact

HOW C2E WORKS KNOW YOUR WATER EXISTING PROGRAMS CREATE A PROGRAM WHAT WE SUPPORT **JOIN C2E**



JOIN C2E TODAY

With C2E, you can save water and the environment just by using less water in at your home. Learn how C2E can help you track your water use and increase your conservation with your personalized Water Use Dashboard.

ABOUT C2E

Conserve to Enhance is a simple program that helps you put your water conservation efforts to work for the environment. Using your Water Use Dashboard, you can track your water use over time, learn about where you have the most potential to save, and put your water savings to work to support environmental projects in your community!



WATER USE & THE ENVIRONMENT



C2E IN YOUR COMMUNITY

Interactive, online tool launched in May 2014

Conserve2Enhance

C2E motivates participants to use water more efficiently by linking their water conservation efforts with environmental enhancement in the community.



Tucson C2E Impacts

- From 2011 - 2013:
 - 29 rainwater harvesting projects implemented at participating households
 - **3.2 million gallons** of water conserved by participants
 - **\$37,000** in donations (avg. participant donation is ~\$4/month)
 - \$12,000 invested at Atturbury Wash
 - \$31,000 awarded to two neighborhoods & one school for urban waterway/GI enhancement projects (

Utility bill check box



UTILITY SERVICES STATEMENT

BANK DRAFT - PLEASE DO NOT PAY

Tucson Water Customer Service Office
 Phone: 520-791-3242
 Outside Tucson: 800-598-9449
www.tucsonaz.gov/water

Account Name:
Account Number:
Service Address:
Bill Date: 08/03/2011
Service Period: 07/05/2011 to 08/02/2011
Hours: 8:00 am - 5:00 pm MST (Mon-Fri)



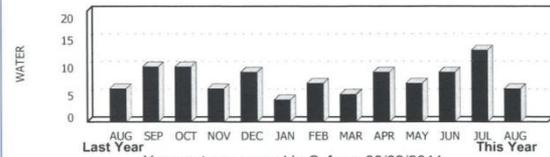
Pima County Regional Wastewater
 Reclamation Department
 Phone: 520-740-6609
www.pima.gov/www

City of Tucson Environmental Services:
 Phone: 520-791-3171
www.tucsonaz.gov/esd

Last Bill	Payments (Credits)	Deposits Applied	Adjustments	Balance Forward	New Charges	ACCOUNT BALANCE
\$74.83	-\$74.83	\$0.00	\$0.00	\$0.00	\$65.33	\$65.33

METER INFORMATION						
Meter number	Service Type	Start Date	End Date	Current Read	Previous Read	Consumption (Ccfs)
	WA	07/05/11	08/02/11	2141	2135	6

ACCOUNT ACTIVITY	
LAST BILL	\$74.83
TOTAL PAID SINCE LAST BILL	-\$74.83
ADJUSTMENTS	\$0.00
BALANCE FORWARD	\$0.00
NEW CHARGES	
ENVIRONMENTAL SVCS FEES	\$17.24
SEWER VOLUME	\$28.61
WATER VOLUME	\$17.85



Your tax-deductible contribution to "Open Space or Riparian Enhancement" will support the preservation of biologically-rich open space and the Conserve to Enhance program, an effort that links local river and wash enhancement with individual water conservation efforts. Visit www.tucsonaz.gov/water/checkbox to learn more. Your contribution will not affect service fees.

IMPORTANT MESSAGE

On July 5, 2011 Water rate changes approved by Mayor & Council became effective. Questions? Please call 791-3242; outside Tucson, 1-800-598-9449.
 * On July 1, 2011 an increase in sewer rates became effective as approved by the Pima County Board of Supervisors. Questions on the sewer charge portion of your bill, call (520) 740-6609.
 *Environmental Services charges reflect a fuel surcharge and an increase in the groundwater protection fee.

Due date applies to current charges ON
 Any balance forward is due now.
 Please allow 7 days for payments to post to account.
 A \$28.00 fee will be charged for any returned check.

DRAFT DATE:	08/23/2011
DRAFT AMOUNT:	\$65.33
Open Space / Riparian Contribution (optional)	
AMOUNT PAID:	

BANK DRAFT - PLEASE DO NOT PAY

UTILITY SERVICES
 PO Box 28804
 Tucson, AZ 85726-8804

Please fold on perforation before tearing and return bottom portion with your payment.

Account Number:
Service Address:
Cycle-Route #: 04-52

DRAFT DATE: 08/23/2011
DRAFT AMOUNT: \$65.33
Open Space / Riparian Contribution (optional):
AMOUNT PAID:

BANK DRAFT - DO NOT PAY

All Tucson Water customers can donate.
 Check box revenue ~\$15,000 annually.

Your tax-deductible contribution to "Open Space or Riparian Enhancement" will support the preservation of biologically-rich open space and the Conserve to Enhance program, an effort that links local river and wash enhancement with individual water conservation efforts. Visit www.tucsonaz.gov/water/checkbox to learn more. Your contribution will not affect service fees.

2012 Atturbury Wash Project

- 1 acre restoration & demonstration site
 - 50+ native trees & shrubs planted to connect habitat w/ wash
 - 5 basins dug & raised path created to capture runoff and create walking path



2013 C2E Projects

- 1. Henry Elementary WINS!** – Wash Improvement and Neighborhood Sustainability submitted by Henry Elementary



- 2. 1st Ave./Seneca Greening and Beautification Project** submitted by the Northwest and El Cortez Neighborhoods



- 3. Mitchell Park Wildlife Habitat & Green Infrastructure Project** submitted by the Mountain/1st Ave Neighborhood



2014 C2E Projects

1. Silverlake Park Urban Habitat

Restoration submitted Tucson
Audubon Society



2. Vine Ave. Green Corridor

Project submitted by the Jefferson
Park Neighborhood Association



3. Palo Verde Neighborhood B-54 Wellsite Beautification

Project submitted by the Palo Verde
Neighborhood



C2E Project Monitoring



Expanding the Reach

- Raise the River – Reconnecting the Colorado
 - C2E funds: support Delta restoration through purchase of water in Mexico
- Arizona Audubon
 - C2E funds: support projects that improve riparian areas connected with Important Birding Areas
- Panda Express is first business participant; savings: 30,000 gallons/store/month

estim



Engaging Students & Families

- The Dashboard provides opportunities to:
 - Discuss household water use
 - Analyze data
 - Interpret graphs
 - Set water use goals
 - Enhance local and regional environments through volunteering & donations
 - Connect actions to current issues (e.g. CO River pulse flow & restoration; CA drought)

