This presentation premiered at WaterSmart Innovations

watersmartinnovations.com



Communicating Water-Energy Nexus in Public Outreach



Programs

Jo Miller

Environmental Program Manager

Conservation and Sustainable Living

City of Glendale, Arizona

jmiller@glendaleaz.com



Background



- Largest W. Valley city @ 240,000 population
- 1986 Established Water Conservation Office
- 1996 4-acre Xeriscape Garden established
- 2010 Obtained two federal grants
- 2010 Transitioned from WC Office to Conservation
- and Sustainable Living (CSL)
- 2011 Awarded Valley Forward 1st place Crescordia in Environmental Excellence in Public Education

Sustain community interest / action

Community-based Program Development

Assessing Barriers and Benefits

- Focus groups
- Pre and post tests
- Surveys
- Take home water (energy) audits
- Incentives

Funding

- Grants
 - DOE -EECBG
 - BOR (2)
- Partnerships
 - SRP / APS energy providers
 - Shade Tree Programs
 - Event sponsors
 - Volunteers
 - Teacher kit donations
- CSL budget







Devices funded by the Energy Efficiency & Conservation Block Grant (EECBG)Program

Water Watchers Discovery Stations





Focus Groups - DOE grant

Teachers

- Provide materials / resupply
- STEM based lessons
- Make examples locally relevant
- Help them with the technical presentations



Teacher Training





Teacher's Fair



Watt Watchers Discovery Stations







Focus groups - homeowners

- Go where they are
- Educate youth
- Make installation easy
- Connect water/energy with \$

1,000 gallons water for showers

Cost of water is < \$3

Cost to heat water \$20

Resources for homeowners

- Energy web page
- "How to" installation videos
- Efficiency rebates
- Solar rebates
- Kill-a-watts
- "Ask the Pro" events



DIY homeowners "give me something I can do"



Simple Savings Classes





Neighborhood HOA event





Our Valley's Water Story:

From Watershed to Showerhead

March 29 • 9 a.m.-noon

Glendale Main Library 5959 W. Brown St. Glendale, AZ 85302

FREE!



Get to know your Arizona water:

- Learn about our water supply, drought and water conservation.
- Get water conservation tips for your home.
- Receive a FREE low-water-use red yucca plant.
- Receive FREE energy- and water-saving devices.*

*Attendees will receive a high-efficiency showerhead, a four-pack of CFLs and a programmable thermostat funded by the Energy Efficiency and Conservation Block Grant Program.

This program is brought to you by:





Solar Day



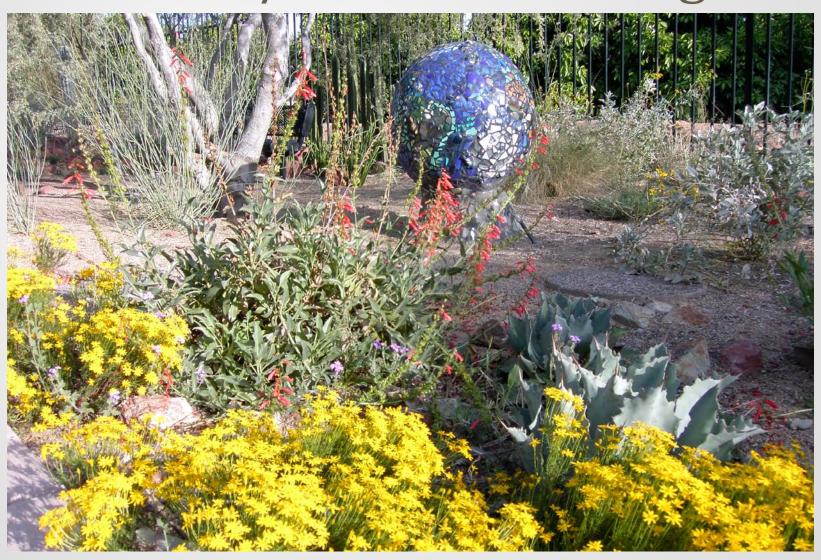


Ask the Experts





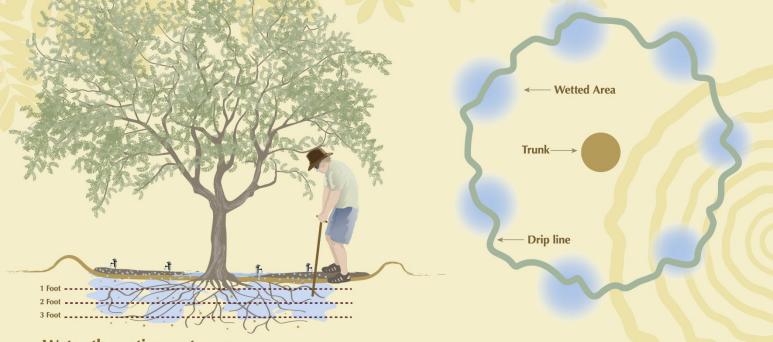
Glendale Xeriscape Garden Tree Trail / Shade Tree Program





Signage, videos & web page

Run the Water Deep and Wide



Water the entire root zone

- Water until the water reaches 2 to 3 feet deep
- Push a soil probe into the ground after you water to help you determine how deeply you're watering

 Water your tree at the dripline or edge of the tree's canopy where rainwater naturally sheds

















Garden Festival



Green Festival













Save money on home energy costs.

It pays to make your home more energy efficient.

APS offers many rebates to upgrade or repair
common problem areas in your home.



Special financing is available on select repairs and upgrades. For more information on how to apply for these rebates and other energy-saving tips, visit aps.com/greenchoice















Keys to Success

- Determine barriers and benefits
- Start small and build on your success
- Seek out grants and alternative funding sources
- Find strength in numbers
 - Find partners with benefits (resources)
 - Multiply your efforts with volunteers
- Share your success stories
 - If you don't, who will?



