

# UniSource Energy Corp DSM-Conservation Programs

Linda Douglas-Worthey  
Assistant Director

Programs	TEP	UNS E	UNS G
Cross Segment Programs			
Education and Outreach	✓	✓	
Direct Load Control	✓	✓	
Residential Efficiency Programs			
Low-Income Weatherization	✓	✓	✓
New Home Construction	✓	✓	✓
Residential HVAC Retrofit	✓	✓	✓
Shade Tree	✓	✓	
CFL Buydown	✓	✓	
Commercial Efficiency Programs			
Non-Residential Existing Facilities	✓	✓	✓
Small Business Program	✓		
Efficient Commercial Building Design	✓		

2008

X

Re-file

X

X

X

X

X

X

X

X

# TEP Bright Solutions

Now is the time to make smart energy choices. TEP gives you the power to choose wisely — and make a difference.

Take control of your energy future by getting the facts. Knowing your options. And *taking action* that can save you real money over time — and help conserve our precious resources.

Conservation starts by equipping your home or business with the latest Bright Solutions™ from TEP — programs designed to both conserve energy and explore renewable energy options.



#### ENERGY STAR® Lighting.

Save on compact fluorescent light (CFL) bulbs purchased through selected local retailers.\* CFLs use 75% less energy than standard bulbs, last up to 10 times as long and are better for the environment than traditional bulbs.



#### The Energy Advisor.

Check out TEP's FREE energy audit on [tep.com](http://tep.com). Use it to quickly discover where your home or business is using the most energy and to review suggestions on ways to save.



#### REBATES! Efficient Home Cooling.

Cooling is the largest energy expense for most homes. Receive up to \$250 in rebates when you buy a qualified high-efficiency air conditioner or heat pump installed through a preferred contractor.



#### Guarantee Home.

Each TEP Guarantee Home is thoroughly inspected at critical stages of construction to ensure that our stringent efficiency standards get built in from the start. The result is an energy-efficient new home that's good for the environment and good for your wallet.



#### Plant a tree.

In partnership with "Trees for Tucson," TEP will help you pay to plant a tree. Trees do more than just beautify. They also conserve energy by shading buildings, provide a habitat for wildlife, control stormwater runoff and pollutants, and block soil erosion and wind.



#### Shift electricity usage and save.

The Time-of-Use program can help reduce your electric bill at home or work, as it benefits the environment. Shift your energy usage from peak periods to off-peak times of day, and save. It's FREE to sign up, including installation of a special meter.



#### Renewable Energy Rebates.

Generous rebates are now available to encourage solar hot water heating, solar electric, wind and other alternative energy resources for your home or business. Combined with federal and state tax incentives, it's never been easier to invest in a renewable energy system. You'll save money on your monthly electric bill and help promote Arizona's energy independence.

\* While supplies last.



THE TIME FOR ACTION IS NOW. Learn more by visiting [tep.com](http://tep.com) or calling (520) 623-7711.

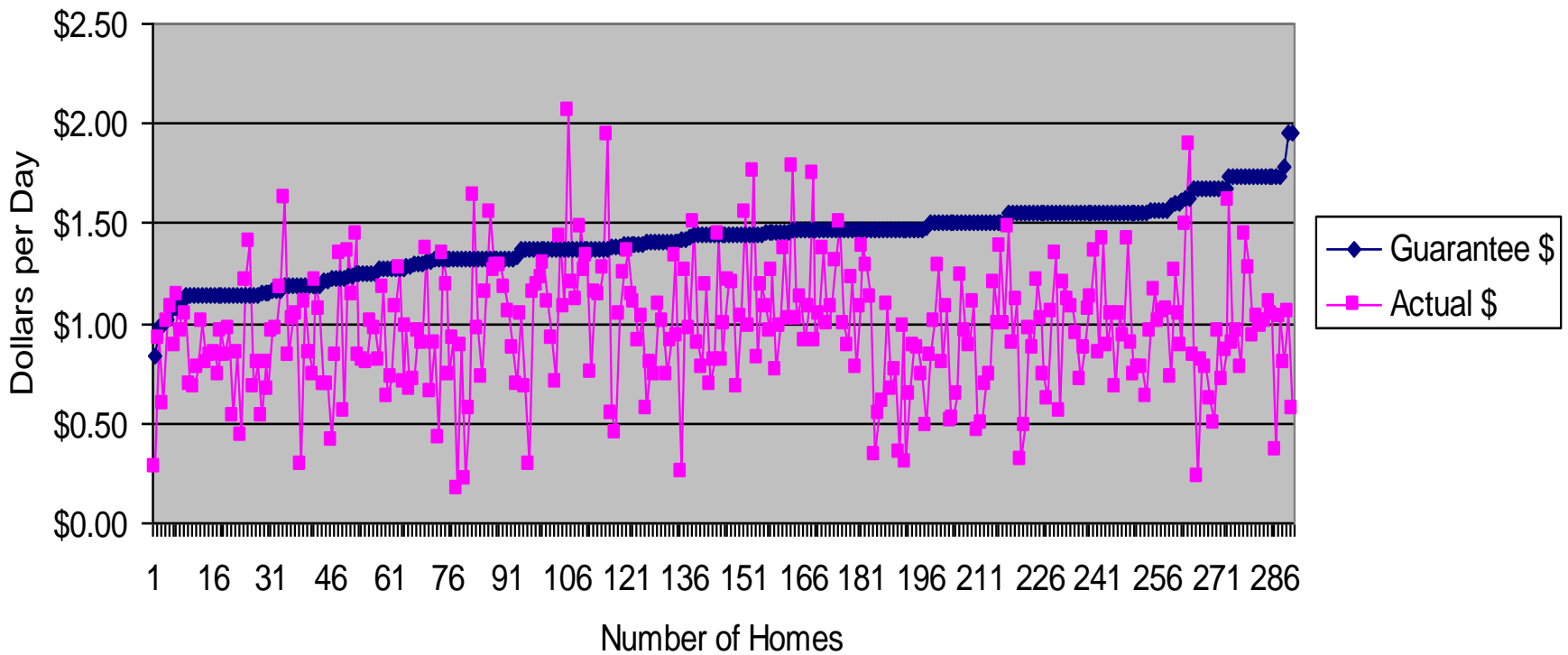
# TEP Guarantee Homes

- Program implemented in 1997.
- Each home tested and inspected by TEP
- Guarantee Heating and Cooling Costs for 5 years.
- Provide Special Electric Rates that average 7-18% lower than standard rate.
- Program Philosophy built on principles of building science.



# TEP Guarantee Homes

2008 - TEP Guarantee Homes  
1800 to 2000 sq. ft  
Actual \$/day compared to Guaranteed \$/day



# TEP Guarantee Homes

- 2008 (ELEVENTH YEAR)

1800 to 2000 Sq. Ft. Homes

291 Total Records

26 Exceeding Guarantee \$ Amount

89% Success Rate for 2008

11 Year Average for all Homes = 83%



# TEP Guarantee Homes

- Changes for 2008-2009

- GHP - LEED Homes

- GHP – Energy Star Homes

- GHP – With PV and/or Solar H2O

- New Energy Star – No Guarantee

- Participation for 2008

- Housing starts down to approximately 4500

- 2000 new Guarantee Home Contracts

44% Participation for 2008



# TEP CFL Buydown Program

- Manufacturer Buydown Program
- Program Approval June 13, 2008
- Program Lunch July 2008
- September Report Shows **175,208 CFL's Sold**

60% of Annual Goal in three months

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by Tucson Electric Power**

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We're there when you need us.**

# Arizona Home Performance Project

- Overall Goal:

Develop methodology to implement a cost-effective program to promote existing home retro-fit projects to reduce energy waste and improve the environment

Develop a statewide utility DSM program supported by all Arizona utilities, Az. Dept of Commerce Energy Office, FSL, etc.

# Arizona Home Performance Project

- \$500K Funding from DOE Grant and  
Approximately \$250K Matching from Utilities
- Project will take approximately 18 months
  - Develop house characteristics
  - Develop priority list of repairs
  - Repair and test homes
  - Develop training materials
  - Develop contractor process
  - Design state-wide program

# Arizona Home Performance Project

- Statewide Partnership:

TEP                      Ariz. Dept of Commerce

APS                      Advanced Energy

SRP                      Foundation for Senior Living

SWG

TRICO

UNSE

UNSG