

# SRP Energy Efficiency Programs FY08 Program Overview

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Delivering More Than Power

# Objectives of SRP's Program

- Reduce energy consumption for both our residential and non-residential customers to contribute to SRP's 15% Sustainable Portfolio reduction objective
- Develop and implement cost-effective programs based on total resource cost and cost per lifecycle kWh analysis
- Focus on measures that can be documented, tracked and verified to account for kWh and emission reductions

# Current FY08 Residential Programs

- PowerWise Homes - New Construction
- Cool Cash A/C Rebate Program
- Energy Star - CFL Change a Light Pledge
- M-Power - Prepayment Display Unit

# Current FY08 Non- Residential Programs

- Commercial Lighting Incentive
- 80 Plus Program - Computer Power Supply / Server Incentive
- SPATIA - Energy Information Product
- Arizona Rinse Smart Program
- Retrocommissioning Pilot Program
- Cool Roof Pilot Program

# Arizona Rinse Smart Program

## Program Structure -

- Goal: Demonstrate SRP's commitment to the environmental by saving water and electricity
- Collaborative effort between AZ Department of Water Resources, SRP Water and Power Group
- SRP provided free spray valve to mid to large size commercial customers
- Free installation also offered

# Arizona Rinse Smart Program

## Program Marketing -

- Direct marketing through account managers and direct mail
- Targeted customers
  - Restaurants
  - Schools & Hospitals
  - Resorts & Grocery Stores

# Arizona Rinse Smart Program

## Program Implementation -

- SRP hired contract employees to perform installations
- Training of contractors
- Selected Fischer Ultra Spray Nozzle with 1.15 gallons per minute flow

# Arizona Rinse Smart Program

## Program Results -

- 1,777 Spray Valves Provided
- 1,376 No-Cost Installations Performed
- 15,840,000 Gallons of Water Saved Annually
- 1,001,000 kWh Saved Annually
- 161,000 Therms Saved Annually

# Arizona Rinse Smart Program

## Findings -

- Level of savings heavily dependent on market segment and existing spray valve
- On average, kitchens in resorts possessed the greatest savings at 86 gallons a day
- Elementary schools saved the most on a percentage of savings basis 58%

# Retrocommissioning Pilot Program

## Program Structure -

- Goal: Validate established process and savings potential of retrocommissioning
- Covers up to 50% (maximum of \$15K) of initial retrocommissioning plan
- Customer must commit to implement measures with simple paybacks of 1 year or less and under \$5,000

# Retrocommissioning Pilot Program

## Program Marketing -

- One-to-one sales through account managers and technical staff
- Targeting customers with significant central plants, EMS and square footage
  - Hospitals
  - High Schools / Colleges
  - Other Large Commercial

# Retrocommissioning Pilot Program

## Program Implementation -

- Program developed and managed by SRP staff
- Partnering with local retrocommissioning firms to provide services
- Using industry accepted calculations and stipulated approach to document savings

# Retrocommissioning Pilot Program

## YTD Program Results -

- Several Customers Interest in Program
- 1 Signed Application
- RCx plans and the installation of measures to be completed over the next year

# Retrocommissioning Pilot Program

## Findings -

- One-to-one selling is required and only effective way to gain interest
- Customer buy-in at senior management level is critical
- Long program development and implementation lead times
- Procurement challenging at times

# Cool Roof Pilot Program

## Program Structure -

- Goal: Promote technology and test the concept within SRP's service territory
- Program funds \$.05 per square footage of roofing surface (Maximum of \$5,000)
- Designed to pay 50% of incremental cost
- Solar Reflectivity Index of 100 or greater

# Cool Roof Pilot Program

## Program Marketing -

- Direct marketing through account managers
- Targeted existing commercial facilities that are planning re-roofing or a complete roof replacement

# Cool Roof Pilot Program

## Program Implementation -

- Implemented by SRP Program Manager
- Leverage industry resources:
  - AZ Cool Roof Council
  - Association of Roofing Contractors
- Performed pre and post inspections and gathered temperature data

# Cool Roof Pilot Program

## YTD Program Results -

- 4 Signed Applications
- 4 Completed Installations
- 29,300 Annual kWh Savings

# Cool Roof Pilot Program

## Findings -

- Arizona marketplace dominated by built-up roofing (hot mop) systems
- Cool roof surface temperature are significantly lower, 60° on average, while underside averages 43°
- Incremental cost during roof replacement is negligible

# Future Programs Under Consideration

Several programs under evaluation and consideration for next year, including:

- Residential Programs
  - CFLs, A/C Check-up, Appliances
- Non-Residential Programs
  - Lighting, HVAC, Motors, Custom
- Low Income Weatherization