Conservation & Energy Efficiency Activities

Bobbi Sterrett
Supervisor, Conservation & DSM

November 8, 2010
Over 1.8 million customers in portions of Arizona, Nevada, and California

The largest distributor of natural gas in Arizona and Nevada
Recent Events

- AZ DSM Portfolio – Revised
  » Approved June 2010

- AZ Gas Utility Energy Efficiency Standards

- NV Solar Thermal Systems Demonstration Program
ARIZONA
Arizona CEE Programs

Seven current programs

- Residential Consumer Products
- *Smarter Greener Better* Homes
- Low-Income Energy Conservation
- Commercial Equipment
- Large Commercial Boiler
- Combined Heat and Power
- Technology Information Center

Budget

- 2010 – $4.0 Million
- 2011 – $4.8 Million
Rebates available:

- Natural Gas Water Heaters
  - Storage and Tankless
- Clothes Washers
- Natural Gas Clothes Dryers
- Programmable Thermostats
- “Smart” Low-flow Showerheads
**Smarter Greener Better Homes**

*For homebuilders in Arizona*

- ENERGY STAR® Home Certification
  - Certified by an approved Residential Energy Service Network (RESNET) rater
  - Ratings are based on the Home Energy Rating System (HERS) Index

- Natural Gas Water Heaters
  - Storage and Tankless

- ENERGY STAR® Certified Furnace
Low-Income Energy Conservation

Provides income-qualified customers:

» Free energy education

» Weatherization measures

» Energy-efficient appliances
Rebates available:

- Natural Gas Water Heaters
  - Storage and Tankless
- Griddles
- Steamers
- Fryers
- Combination Ovens
Large Commercial Boiler

*All existing and new boilers must have an input rating of 2.5 MMBTU or greater, and must use natural gas as the primary fuel and may have dual fuel capability for backup.

- Rebates available:
  - Boiler Tune-up
  - Modular Burner Control
  - O$_2$ Trim Control Pad
  - Steam Trap Survey
  - Steam Trap Replacement/Part
  - New Boiler: Non-condensing
Distributed Generation Program

*For Southwest Gas commercial & industrial customers

- Combined Heat and Power (CHP) technologies

- Total fuel efficiency of 60%-70%

- ARRA Funds
  - $825,000
Energy Line

» Monthly electronic newsletter

» Provides tools and information designed to help businesses:
  - Be energy conscious
  - Look for energy saving opportunities
  - Stay informed about new technologies

*For Southwest Gas commercial & industrial customers*
Arizona Activities

- **AZ Gas Utility Energy Efficiency Standards**
  - 6% savings by 2020
    - At least 4.5% from energy efficiency

- **Decoupling Policy Statement**

- **AZ Implementation Plan**
  - Upcoming filing
CALIFORNIA
Low-Income Energy Efficiency

- Provides income-qualified customers:
  » Free energy education
  » Weatherization measures
  » Energy-efficient appliances

- Budget
  » 2010 – $3.9 million (includes 2009 carryover)
  » 2011 – $3.2 million
NEVADA
Nevada CEE Programs

■ Eight current programs
  » Residential Consumer Products
    ▪ Residential Weatherization
  » Solar Thermal Advantage Rebate
  » ENERGY STAR® Homes
  » Low-Income Energy Conservation
  » Commercial Equipment
  » Commercial Energy Audits
  » Technology Information Center
  » Energy Education

■ Budget
  » 2010 – $3.11 Million
  » 2011 – $3.37 Million
Rebates available:

- Natural Gas Water Heaters
  - Storage and Tankless
- Clothes Washers
- Natural Gas Clothes Dryers
- Programmable Thermostats
- “Smart” Low-flow Showerheads
- Furnace (*Northern Nevada only*)
Residential Weatherization

*For Southwest Gas residential customers in Southern Nevada*

- Rebates available:
  - Windows
  - Attic Insulation
  - Floor Insulation
  - Duct Sealing and Insulation
Rebates available for residential customers:

- Solar thermal water heaters
  - System must be SRCC OG-300 certified

- Solar thermal space heating
  - Collectors must be SRCC OG-100 certified
ENERGY STAR® Home Certification

» Certified by an approved Residential Energy Service Network (RESNET) rater

» Ratings are based on the Home Energy Rating System (HERS) Index
Low-Income Energy Conservation

*For Southwest Gas residential customers in Northern Nevada

Provides income-qualified customers:

» Free energy education

» Weatherization measures

» Energy-efficient appliances
Commercial Equipment

Rebates available:

» Natural Gas Storage Water Heaters
» Griddles
» Steamers
» Fryers
» Combination Ovens
Commercial Energy Audits

*For large commercial & industrial customers that use at least 15,000 therms monthly*

- Approved energy audit by a Certified Contractor
- Opportunity for businesses to increase energy efficiency and lower energy costs
Energy Line

» Monthly electronic newsletter

» Provides tools and information designed to help businesses:
  ▪ Be energy conscious
  ▪ Look for energy saving opportunities
  ▪ Stay informed about new technologies

*For Southwest Gas commercial & industrial customers*
Energy Education

- Provide general conservation and energy efficiency information
- Encourage the efficient use of natural gas and energy
- Utilize both print and radio mediums
NV Solar Thermal Systems Demonstration (STSD) Program

- SB188
- Docket No. 09-06033
- 3,000 systems by 2019
  - Southwest’s goal is 2,430
- NV STSD Program Plan 2010-2011
  - Implementation January 2011
## 2010 Participation Results

<table>
<thead>
<tr>
<th>AZ CEE Programs</th>
<th>2010 Participation</th>
<th>NV CEE Programs</th>
<th>2010 Participation</th>
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<tbody>
<tr>
<td>Residential Consumer Products</td>
<td>5,003 rebates</td>
<td>Residential Consumer Products</td>
<td>7,294 rebates</td>
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<td>Smarter Greener Better Homes</td>
<td>1,068 homes</td>
<td>ENERGY STAR® Homes</td>
<td>1,071 homes</td>
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<td>Low-Income Energy Conservation³</td>
<td>182 participants</td>
<td>Low-Income Energy Conservation³</td>
<td>89 participants</td>
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<td>Large Commercial Boiler</td>
<td>1 pending application</td>
<td>Solar Thermal Advantage Rebates</td>
<td>7 rebates</td>
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<td>Commercial Equipment</td>
<td>43 rebates</td>
<td>Commercial Equipment</td>
<td>5 rebates</td>
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<tr>
<td>Combined Heat and Power</td>
<td>1 pending application</td>
<td>Commercial Energy Audits</td>
<td>13 facilities</td>
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<td>Technology Information Center</td>
<td>301 recipients</td>
<td>Technology Information Center</td>
<td>300 recipients</td>
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</tbody>
</table>

### CALIFORNIA

| Low-Income Energy Efficiency³ | 1,369 participants |

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1. Includes approved rebates from January 1, 2010 through September 30, 2010.
2. Includes approved rebates from November 1, 2009 through September 30, 2010.
3. Includes program participation from July 1, 2009 through June 30, 2010.
# Estimated Annual Therm Savings

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<thead>
<tr>
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