Southwest Energy Efficiency Project

November 2010
Saving Energy = Saving Money

- Customers invested $58 million in 2009 in Rocky Mountain Power’s energy efficiency, conservation and demand response program
  - High efficiency equipment, appliances, fixtures and processes
  - Structural improvements (insulation, windows, etc.)
  - Education and outreach
  - Utility dispatched control of customer equipment (Cool Keeper)
- Cost effective compared to alternatives

$1 invested in energy efficiency = $2.65 customer savings
Saving Energy

Utah Performance
Excluding Conservation

Benefits are predictable, measurable and long lasting

2009 energy savings

Generation from 97 typical wind turbines

- GWh = energy savings
- MW = peak reduction

2009 energy savings
Peak Reduction

Customers agree to let utility control equipment during peak periods
• Delays need for new generation
• Avoids costly peak power purchases
• Responds to operational conditions

Customers volunteer to participate
• Residential – Cool Keeper
• Agricultural – Irrigation credit rider
• Industrial – Special agreements

2009 peak reduction from control of customer equipment

50,000 Homes
How did we do it?

- 450,000 transactions
- 55 million square feet of insulation
- 600,000 square feet of windows
- 2.4 million compact fluorescent light bulbs
- 22,000 high efficiency washers and dryers
- 6,900 dishwashers
- 16,000 refrigerators/freezers removed and recycled
- 900 commercial and industrial projects
- 100,000 volunteers in Cool Keeper and irrigation load control

System-wide savings as a percent of sales = 0.9%
This Year?

• Program Planning and Development
  – Potential Study/Supply Curves/Integrated Resource Plan
  – Washington: Initiative 937
  – Wyoming: Total Portfolio Redesign
  – Idaho: Irrigation Load Control Redesign
  – Utah: Code/Standard Changes and Continued Reduction in Incentives

• Performance
  – Impact evaluations covering 20 programs
  – Idaho: Prudency Challenge

• Cost Recovery
  – Idaho: Request for increased funding
  – Wyoming: Request to suspend collections until deferred is in balance
  – Washington: Expand deferred account to include all compliance

• Performance – on target

• Staffing
  – Expanded from 12 FTE to 16 FTE
  – Reorganized to reflect functional requirements
What does the future look like?

• Energy efficiency increasing importance in meeting future energy requirements
  – No emissions
  – No new power facilities
  – Local jobs

• Custom and mass market solutions
  – Evaluated 12,500 opportunities
  – Preliminary integrate resource targets increased over 2008

• Challenges
  – Prudence
  – Timing of cost recovery
  – Use of line item on customer bills

Target 1% to 1.5%