

Rocky Mountain Power

Southwest Energy Efficiency Project's 2008 Regional Energy Efficiency Workshop Denver, Colorado

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Today

- ▶ PacifiCorp and Rocky Mountain Power
- ▶ Results and Forecast (2007, 2008, 2009 and 2010)
- ▶ News Flash
- ▶ Summary Rocky Mountain Power programs
- ▶ Feature on ENERGY STAR® New Homes
- ▶ Questions

PacifiCorp the Company

- ▶ 1.7 million customers across 6 states
 - ▶▶ 53% (890,000) in the Southwest Region
- ▶ Fully integrated electric utility
- ▶ Net generation capacity 9,286 MW
- ▶ Three business units
 - ▶▶ PacifiCorp Energy
 - ▶▶ Pacific Power (OR, WA, CA)
 - ▶▶ Rocky Mountain Power (UT, WY, ID)
 - ✓ SW Region Utah and Wyoming focus
- ▶ Acquired by MidAmerican Energy Holdings Company in March 2006
 - ▶▶ MidAmerican Energy Holdings Company is currently in process of acquiring Constellation Energy (2008 activity)
 - ✓ Largest competitive supplier of electricity to large C&I customers and nations largest wholesale power seller
 - ✓ Baltimore Gas and Electric



Results & Forecast

Rocky Mountain Power (UT/WY)	2007	2008	2009	2010
Energy (MWH)	149,000	180,000	205,000	240,000
Capacity (MW estimate)	32	39	44	50
Load control (MW)	100	100	125	250
Curtailed agreements (MW)	175	175	175	175
Total managed loads (MW)	275	275	300	425
Dollars	\$28,550,000	\$35,000,000	\$44,000,000	\$56,000,000

Energy Efficiency

- ▶ Utah only in 2007 and 2008. Wyoming begins ramping in in 2009 (modest first year projections)
- ▶ New program introductions beginning in late 2009 (Nov. '08 RFP)
- ▶ New outreach/awareness campaign to be filed in early 2009

Load control/scheduled firm

- ▶ Utah's Cool Keeper = roughly 90-95 MW in 2007 and 2008 but begins building again in 2009
- ▶ Utah irrigation = roughly 3-5MW in 2007 and 2008 but like Cool Keeper begins build-out in 2009

Wyoming News Flash!



Quick Wyoming Summary

Three new business programs

- ▶ Energy FinAnswer
- ▶ FinAnswer Express
- ▶ Self-Direction

Three new residential programs

- ▶ Low Income Weatherization
- ▶ Refrigerator/freezer Recycling
- ▶ Home Energy Savings

Introduction of a “Customer Efficiency Service” charge

- ▶ 2.04% residential customers, .97% small/medium business customers, and .46% large customers

Order was effective as of October 1, 2008

Program launch is set for January 1, 2009

- ▶ Forecasting \$34 million investment and savings of 188,000 MWH over 5-yrs

Rocky Mountain Power's Southwest Region Residential Programs

- ▶ Cool Keeper – CAC dispatchable load control/management
- ▶ Cool Cash – CAC efficiency (electric and evaporative)
- ▶ **EnergyStar New Homes – New residential construction**
- ▶ Home Energy Savings – Appliances, lighting, HVAC, shell measures, etc.
- ▶ See ya later refrigerator – refrigerator/freezer recycling
- ▶ Low Income Weatherization – Community Action Agency delivery
- ▶ Solar PV pilot offering – began in 2007 runs through 2011
- ▶ Online and Mail-in home analysis/audits
- ▶ PowerForward – Voluntary curtailment, residential/business
- ▶ Summer inverted rates – residential customers
- ▶ Time of use rates – all customer classes
- ▶ “Do the bright thing” demand-side messaging and education

Rocky Mountain Power's Southwest Region Business Programs

- ▶ Energy FinAnswer – comprehensive projects, engineering svcs
- ▶ FinAnswer Express – speed for single measure projects
- ▶ Self-Direction/large customer program – 80% project costs
- ▶ Retro-commissioning program – building tune ups, light repair
- ▶ Agricultural irrigation load management program
 - ▶▶ Expanding in 2009 and converting from a scheduled to dispatchable program
- ▶ Solar PV pilot offering – began in 2007 runs through 2011
- ▶ Firm curtailment contracts – special contract customers
- ▶ E-Source Business Energy Advisor Service (new in 2008)
- ▶ PowerForward – Voluntary curtailment, residential/business
- ▶ Energy Exchange – web based bid program
- ▶ Time of use rates

Utah ENERGY STAR® New Homes

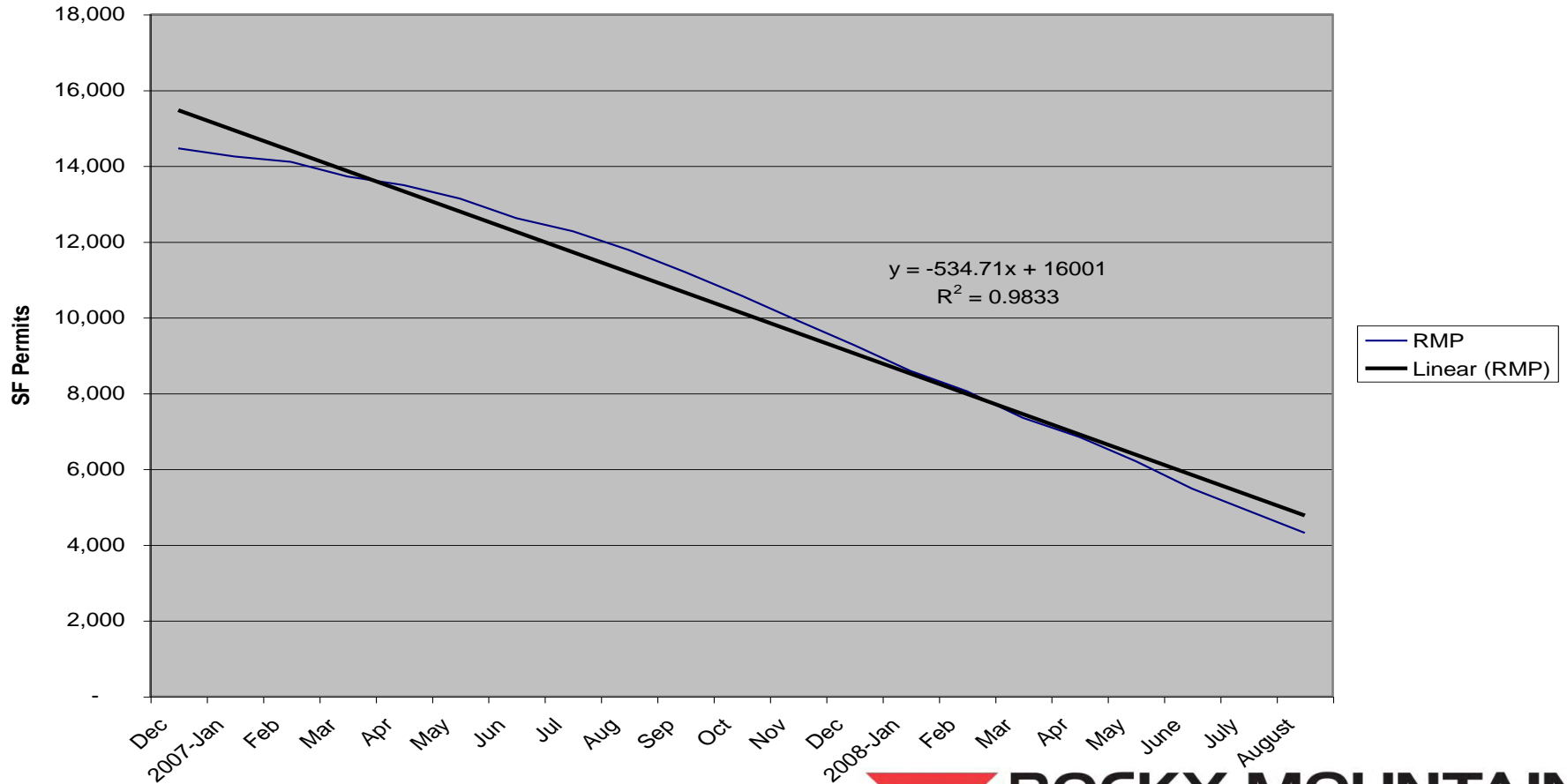
- ▶ Launched in 2005
 - ▶▶ ENERGY STAR® – single and multi-family
 - ▶▶ HERS (Home Energy Rating System) based
 - ▶▶ Builder incentives for 86+ HERS +coop marketing
 - ▶▶ Electric savings – 15% above code
 - ▶▶ *Initial target was to ramp to 10% of new homes over 5 years*
- ▶ Market at the time
 - ▶▶ Almost no ENERGY STAR® homes being built in RMP service area
 - ▶▶ ENERGY STAR® homes built were primarily for Parade of Homes
 - ▶▶ Only two Utah contractors regularly marketed ENERGY STAR®
 - ▶▶ Historical Peak of Utah's housing starts – 28,000 permits state-wide

Market Approach

- ▶ Develop market partnerships and earn trust
- ▶ Provide technical assistance and training
- ▶ Offer incentives to builder participants
- ▶ Push/pull strategy, builders and customers
 - ▶ Builder training, education, program benefits
 - ▶ Further promote ENERGY STAR® brand/benefits to consumers – TV and radio testimonials
- ▶ Leverage Stakeholder Network
- ▶ Sustainability linkages

Utah Housing Market

RMP 12ME Permits



Results/Forecasts

	Targets (Single and Multi-Family)		Actual Results/Forecast		
Year	ENERGY STAR Units	Annual Savings (kWh)	ENERGY STAR Units	Annual Savings (kWh)	Approx. Penetration of single-family
2005	362	738,771	53	95,506	n/a
2006	1,780	3,285,920	1,758	3,394,698	11%
2007	2,329	3,630,496	2,272	3,604,560	19%
2008	2,874	4,709,774	1,900	3,040,000	35%
2009	3,146	5,200,953	2,000	3,000,000	40%
Total	10,491	17,565,914	7,983	13,134,764	12%

Trends and Changes

- ▶ While overall housing starts are going down the percentage of those homes being built to ENERGY STAR® standards is going up
- ▶ From 2 to over 50 builders are now building ENERGY STAR® homes in Utah
- ▶ QUESTAR Gas has joined RMP in promoting residential ENERGY STAR® in new construction
 - ▶▶ Utah ENERGY STAR® 2009 – Greater Efficiency for the Future Workshop (November 14, 2008 Salt Lake Community College)
- ▶ 2009 Program Considerations and Beyond
 - ▶▶ Additional lighting measures (push for more fixtures)
 - ▶▶ Adoption of EPA's definition of multi-family housing (up to 5 stories)
 - ▶▶ Introduction of building components beyond energy efficiency measures e.g. solar PV measure
 - ▶▶ Looking closely at how to migrate towards a zero net energy home future

Questions



ENERGY STAR®
**New Homes
Program**