Southwest Energy Efficiency Project’s
2009 Energy Efficiency Workshop
Phoenix, Arizona

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Director, Demand-side Management

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Today

- PacifiCorp and Rocky Mountain Power
- Program overviews and contributions
- Results and forecast (Summary)
- New in 2009 (highlighting two additions)
- Road ahead in 2010
- Questions and Contact Information
PacifiCorp the Company

- 1.7 million customers across 6 states
  - 53% (890,000) in the Southwest Region

- Fully integrated electric utility

- Net generation capacity ~ 9,300 MW

- Three business units
  - PacifiCorp Energy
  - Pacific Power (OR, WA, CA)
  - Rocky Mountain Power (UT, WY, ID)

- Acquired by MidAmerican Energy Holding Company in March 2006
# Residential Program Overview

<table>
<thead>
<tr>
<th>Residential Programs</th>
<th>Utah</th>
<th>Wyoming</th>
<th>MW</th>
<th>MWH</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/C Load Control – Cool Keeper</td>
<td>X</td>
<td>X</td>
<td>108</td>
<td></td>
</tr>
<tr>
<td>A/C Efficiency – Cool Cash</td>
<td>X</td>
<td>X</td>
<td>915</td>
<td></td>
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<tr>
<td>ES New Homes</td>
<td>X</td>
<td></td>
<td></td>
<td>2,350</td>
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<tr>
<td>Home Energy Savings</td>
<td>X</td>
<td>New in 2009</td>
<td>15</td>
<td>81,400</td>
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<tr>
<td>Refrigerator Recycling – See ya later</td>
<td>X</td>
<td>New in 2009</td>
<td>5</td>
<td>22,000</td>
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<tr>
<td>Low Income Wx</td>
<td>X</td>
<td></td>
<td></td>
<td>650</td>
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<tr>
<td>Solar PV (2007-2011)</td>
<td>X - Pilot</td>
<td>X</td>
<td>57 kW</td>
<td></td>
</tr>
<tr>
<td>Online &amp; mail-in audits</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
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<tr>
<td>Summer inverted rates</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time of Use rates</td>
<td>X - Pilot</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PowerForward</td>
<td></td>
<td></td>
<td>0-20</td>
<td></td>
</tr>
<tr>
<td>Turn the Answers On/WattSmart</td>
<td>New in 2009</td>
<td>X</td>
<td></td>
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</tr>
</tbody>
</table>

## 2009 Forecast Energy Acquisitions

- Related capacity reduction: 20
- 2009 Forecast load control: 108
- 2009 Forecast of public plea: 0-20

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**Related capacity reduction**

**2009 Forecast load control**

**2009 Forecast of public plea**
## Business Program Overview

<table>
<thead>
<tr>
<th>Business Programs</th>
<th>Utah</th>
<th>Wyoming</th>
<th>MW</th>
<th>MWH</th>
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</thead>
<tbody>
<tr>
<td>Agricultural load mgmt</td>
<td>Revised in 2009</td>
<td></td>
<td>40</td>
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<tr>
<td>Curtailment contracts</td>
<td>X</td>
<td></td>
<td>175</td>
<td></td>
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<tr>
<td>Energy FinAnswer</td>
<td>X</td>
<td>New in 2009</td>
<td>12</td>
<td>64,200</td>
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<tr>
<td>FinAnswer Express</td>
<td>X</td>
<td>New in 2009</td>
<td>7</td>
<td>38,100</td>
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<tr>
<td>Self-Direction</td>
<td>X</td>
<td>New in 2009</td>
<td>1</td>
<td>7,000</td>
</tr>
<tr>
<td>Re-commissioning</td>
<td>X</td>
<td></td>
<td>2</td>
<td>12,750</td>
</tr>
<tr>
<td>Solar PV Pilot</td>
<td>X-Pilot</td>
<td></td>
<td>50 kW</td>
<td></td>
</tr>
<tr>
<td>E-Source Business Energy Advisor</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Solutions Tool Kit</td>
<td>New in 2009</td>
<td>New in 2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PowerForward</td>
<td>X</td>
<td></td>
<td>0-80</td>
<td></td>
</tr>
<tr>
<td>Energy Exchange</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time of Use rates</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turn the Answers On/WattSmart</td>
<td>New in 2009</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2009 Forecast Energy Acquisitions

- **Related capacity reduction**: 22
- **2009 Forecast load control**: 215
- **2009 Forecast of public plea**: 0-80

**2009 Forecast Energy Acquisitions**: 122,050
## Results & Forecast

<table>
<thead>
<tr>
<th>Rocky Mountain Power (UT/WY)</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy (MWH)</strong></td>
<td>193,000</td>
<td>229,365</td>
<td>220,000</td>
</tr>
<tr>
<td><strong>Capacity (MW estimate)</strong></td>
<td>37</td>
<td>44</td>
<td>42</td>
</tr>
<tr>
<td><strong>Load control (MW)</strong></td>
<td>89</td>
<td>148</td>
<td>171</td>
</tr>
<tr>
<td><strong>Curtailment agreements (MW)</strong></td>
<td>175</td>
<td>175</td>
<td>175</td>
</tr>
<tr>
<td><strong>Total managed loads (MW)</strong></td>
<td>264</td>
<td>323</td>
<td>346</td>
</tr>
</tbody>
</table>

| **Dollars**                  | $36,000,000 | $60,000,000 | $60,000,000 |

**Energy Efficiency**
- 2010 forecast excludes new program introductions, impact yet to be determined

**Load control/scheduled firm**
- Utah’s Cool Keeper = 108 MW in 2008 and continues to build to 218 in 2010 (additional 9,500 customers)
- Utah irrigation = 40 MW in 2008 and building out to 53 MW in 2010

**Budget**
- Substantial savings will occur in 2010 associated with 90 MW of Cool Keeper program’s pay for performance
- Accelerated insulation expenditures and savings in 2009 will be replaced with new activity in 2010
Direct Load Control History

Class 1 Savings
Rocky Mountain Power UT and WY (2001 - 2009)

* 2009 Savings and MW/MWh forecast to year end
Energy Efficiency History

Class 2 (Energy Efficiency) Savings
Rocky Mountain Power UT and WY (2001 - 2009)

* 2009 Savings and MW/MWh forecast to year end
New In 2009

- Wyoming Programs
  - Good start, lots of work to do
- Utah Dispatchable Irrigation Program
  - More load, greater control when needed
- Adoption in Utah of UTC over TRC
- Business Solutions Tool Kit
- Utah Outreach and Communications Program
  - Program concept
  - Program cost-effectiveness
  - Program budget
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Our Web-based Business Solutions Toolkit gives you advice and customized information to manage your energy use and costs.

Features include:

Energy-saving tools
- Estimate the payback to upgrade lighting, motors, HVAC and other equipment.
- Generate energy-saving recommendations with a short energy assessment of your facility.
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- Industrial Energy Benchmarks
- Commercial Energy Efficiency
- Industrial Energy Efficiency
- Workplace POSTERS
- HEADLINE NEWS
- Performance Benchmarking
- Energy POSTERS
- Facility Assessment Wizard
- Carbon Footprint Calculator
- Fuel Cost Calculator
- Motor Calculator
- Lighting Calculator
- Energy Glossary

Let’s turn the answers on.
Communications and Outreach

- Stock creative, actual in development
- TV, radio, print, dedicated website
- Pre-survey baseline established – post survey measurements planned
- Drive increased program awareness, participation
- Build awareness around why RMP provide and customers should participate in programs
- Shifting to next gear in program activity
Communications and Outreach

“COOL KEEPER MANAGES ELECTRICITY DEMAND ON HOT DAYS.”
This is not the copy yet. It will be when we select a concept we really like. Until then, please pay no attention to the words on this page other than the headline idea. visit rockymountainpower.net/wat tscool.

“AVOID PEAK ENERGY DEMAND BETWEEN 2:00 AND 8:00 PM.”
This is not the copy yet. It will be when we select a concept we really like. Until then, please pay no attention to the words on this page other than the headline idea. visit rockymountainpower.net/watts demanding.
Road Ahead in 2010

- New & Revised programs in Utah
  - Direct install small commercial
  - Mid to large business load control
  - Enhanced business programs
    - Self-Direction
    - Energy FinAnswer and FinAnswer Express
  - Full roll-out of new Outreach and Communications Program
  - Grow A/C load control
- Revisit Utah cost-recovery mechanism
- Wyoming
  - Continue to build program awareness, customer participation, savings
  - More low income weatherization work ahead
- Policy involvement to improve state rankings and overall energy performance
Questions and Contact Information

- General Program Content
  - Jeff Bumgarner, Director Demand Side Management
  - Jeff.bumgarner@pacificorp.com
  - 503-813-5161

- Business Solutions Toolkit
  - Jim Grossman, Customer Business Services
  - Jim.grossman@pacificorp.com
  - 503-813-7461