Southwest Energy Efficiency Project’s 2007 Regional Energy Efficiency Workshop
Albuquerque, New Mexico
Presented by Jeff Bumgarner
Director, Demand-side Management

November 17, 2007
Today

- PacifiCorp and Rocky Mountain Power
- Rocky Mountain Power programs – Southwest Region
- Wyoming progress
- Results and Forecast (2006, 2007 and 2008)
- Exciting and New?
- 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 9,140 MW
- Three business units
  - Pacific Power
  - Rocky Mountain Power
  - PacifiCorp Energy
- Acquired by MidAmerican Energy Holdings Company in March 2006
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 Savers – Appliances, lighting, HVAC, shell measures, etc.
- See ya later refrigerator – refrigerator/freezer recycling
- Low Income Weatherization – Community Action Agency delivery
- 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
- Firm curtailment contracts – special contract customers
- PowerForward – Voluntary curtailment, residential/business
- Energy Exchange – web based bid program
- Time of use rates
Wyoming Progress?
Wyoming Progress?

- DSM application was file in December, 2006
- Hearings in April, 2007
- Deliberations in June (cancelled), July (cancelled) and August, 2007
- Application suspended in August, 2007
- **December, 2006 Proposal:**
  - 3 year pilot, capped at 1% of retail revenues per year ($1.5M/yr to ?)
  - Optional participations for large commercial and industrial
  - 4 programs initially
    - Low Income Weatherization
    - Home Energy Savers with builders option
    - FinAnswer Express
    - Self-Direction/large customer
  - Introduction of a “Customer Efficiency Service” charge – recovery
- Will be re-filing with amendments in December, 2007
- New proposal? – that’s a secret
Results & Forecast

**Rocky Mountain Power (UT/WY)**

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<th></th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
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<tbody>
<tr>
<td>Energy (aMW)</td>
<td>13.82</td>
<td>16.00</td>
<td>18.35</td>
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<tr>
<td>Capacity (MW)</td>
<td>23</td>
<td>27</td>
<td>30</td>
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<tr>
<td>Load control (MW)</td>
<td>88</td>
<td>96</td>
<td>110</td>
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<tr>
<td>Curtailment agreements (MW)</td>
<td>175</td>
<td>175</td>
<td>175</td>
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<td>Total managed loads (MW)</td>
<td>263</td>
<td>271</td>
<td>285</td>
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<td>Dollars</td>
<td>$26,750,000</td>
<td>$30,000,000</td>
<td>$35,000,000</td>
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**Energy Efficiency**
- Load control/scheduled firm
  - Utah’s Cool Keeper = 88MW 2006, 93 MW 2007, 100 MW 2008
  - Utah irrigation = 3 MW in 2007 and 10 MW 2008
    - FYI, Idaho irrigation program expected to reach 100-150 MW in 2008 (80 MW in 2007)
  - Curtailment agreements – special contract customers
  - PowerForward results (not in above) = 15 to 220MW
  - Energy Exchange results (not in above) = 0 to 8 MW, 7 events in 2007 and 320 MWH
“Exciting And New” in 2007
“Exciting and New” in 2007

- Extended Idaho scheduled irrigation load management into Utah
- Piloted a dispatchable irrigation program
  - Idaho program reached 80 MW in 2007
  - Day ahead scheduling, 65 hours max per season
- Completed a system-wide potential study, June 2007
  - Minimum of 409 aMW identified as achievable in SW Region by 2027
  - Company intends to aggressively pursue in condensed timeframe
- Utah PV buy-down program – September, 2007. $2/watt, $300k/yr
- Co-sponsored 2006 IECC codes training program in Utah
- Utah Governor Huntsman’s energy action plan released
- Took our first run at introducing DSM to Wyoming
Looking Ahead to 2008

- Get moving in Wyoming
- Incorporation of potential study information into IRP process
- Utah cost-effectiveness re-evaluation effort
- DSM RFP (Plan is to kick out yet this year, new projects 2008)
- Coordination with Utah energy policy action plan
- Possible expansion of dispatchable irrigation load control to Utah
- Thermal energy storage pilot project (183 kw project in SLC)
- Add measures to FinAnswer Express (plug loads, 80+, new lighting technologies, others as identified)
- Revisit business program incentive levels, looking for more lift
- Accelerate the pursuit of res & com lighting (what's everyone else doing)
- Other interests…
  - Blueline Innovations Energy Cost Monitor review
  - Kaiser Group's Conservationist technology
Questions