Xcel Energy
Southwest DSM Update

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Southwest DSM Initiatives

• Colorado DSM 2001-2005 (124MW)

• Colorado DSM 2006-2013 (320MW/800GWh)

• New Mexico DSM rulemaking
Colorado DSM 2001-2005

- Xcel Energy’s goal was to obtain 124 MW of cost-effective DSM resources by the end of 2005.
- Xcel Energy was authorized to spend up to $75 million to achieve the goal.
- DSM programs are designed to reduce Xcel Energy’s summer peak demand.
  - Summer Peak is defined as Monday-Friday, 3-7pm, June-August.
  - Xcel Energy customers receive a financial incentive for installing measures that reduce summer peak demand.
# Current Peak Demand Savings Estimates

Projected net coincident summer peak demand savings at the generator (kW)

<table>
<thead>
<tr>
<th>Program</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bid 2001</td>
<td>2,663</td>
<td>7,137</td>
<td>3,539</td>
<td>N/A</td>
<td>N/A</td>
<td>13,339</td>
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<tr>
<td>Custom Efficiency</td>
<td>0</td>
<td>536</td>
<td>4,300</td>
<td>7,565</td>
<td>7,500</td>
<td>19,901</td>
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<tr>
<td>Recommissioning</td>
<td>0</td>
<td>172</td>
<td>1,220</td>
<td>2,264</td>
<td>2,300</td>
<td>5,956</td>
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<tr>
<td>Energy Design Assistance</td>
<td>0</td>
<td>0</td>
<td>16</td>
<td>1,444</td>
<td>3,300</td>
<td>4,760</td>
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<tr>
<td>Saver's Switch for Business</td>
<td>204</td>
<td>571</td>
<td>1,216</td>
<td>381</td>
<td>N/A</td>
<td>2,372</td>
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<tr>
<td>Central Air Conditioner Rebates</td>
<td>679</td>
<td>4,132</td>
<td>3,969</td>
<td>5,707</td>
<td>3,987</td>
<td>18,474</td>
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<td>Evaporative Cooling Program</td>
<td>0</td>
<td>0</td>
<td>17</td>
<td>1,768</td>
<td>1,754</td>
<td>3,539</td>
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<tr>
<td>Residential Saver's Switch</td>
<td>313</td>
<td>3,760</td>
<td>11,800</td>
<td>22,991</td>
<td>18,349</td>
<td>57,213</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>3,859</strong></td>
<td><strong>16,308</strong></td>
<td><strong>26,077</strong></td>
<td><strong>42,120</strong></td>
<td><strong>37,190</strong></td>
<td><strong>125,554</strong></td>
</tr>
</tbody>
</table>
Program Measurement & Verification

- Evaluate portfolio of existing DSM programs per the Resource Plan Stipulation & Settlement

- Programs must be evaluated by a 3rd party consultant.

- Project to be completed 1st quarter 2006.

- Final results will determine if the company met the 124MW goal.
M&V Components

• Impact Evaluation
  - Collect and review Program and M&V data
  - Compute gross demand and energy savings estimates
  - Develop and compute net savings estimates

• Cost-Effectiveness Evaluation
  - Compute TRC test for programs

• Process and Customer/Vendor Satisfaction Evaluations
  - Conduct surveys, interviews, and secondary research

• Final Reporting
  - Synthesize results across evaluation components

Colorado DSM 2001-05
Colorado DSM 2006-2013


• Xcel Energy’s goal is to obtain 320MW and 800GWh of cost-effective DSM resources by the end of 2013.

• Xcel Energy is authorized to spend up to $196 million.

• The settlement included the implementation of a Market Potential Assessment to be completed by 1st quarter 2006.

• The 2003 Integrated Resource Plan included a separate DSM Bidding process for 3rd party conservation programs.
DSM Product Development

• Develop and launch business and residential programs 1\textsuperscript{st} & 2\textsuperscript{nd} quarter 2006.

• Key program criteria for review:
  – Number of potentially eligible customers
  – Ease of delivery
  – Customer bill impacts
  – Quantifiable kW and kWh savings
  – New construction and retrofit
  – All major end-uses
Projected Program Offerings

Business
• Energy Design Assistance
• Recommissioning
• Lighting Efficiency
• Motor Efficiency
• Cooling Efficiency
• Custom Efficiency
• Energy Management Systems

Residential
• Saver’s Switch
• Evaporative Cooling
• Other programs TBD
New Mexico DSM 2006+

- Statewide initiative to bring DSM to New Mexico.
- Wide-ranging group organized mid-2004 to create an Energy Efficiency Act.
- Governor Richardson approved act 1\textsuperscript{st} quarter 2005.
- Hearing Examiner appointed to lead a workshop of interested parties to turn Act into DSM rulemaking.
- Workshop group is continuing to meet to finalize guidelines.
DSM Product Development

• Development efforts will begin as the closure of DSM guidelines (workshops) approaches.

• Review existing and new DSM programs in Colorado and Minnesota service territories along with other program concepts for potential New Mexico offerings.

• Goal is to develop cost effective programs that have wide applicability to the business, residential and low-income customer segments.
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