

Energy and Climate Change: How Xcel Energy Is Helping

Presented by

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Minnesota Conservation Improvement Program (CIP)

- Active environmental community
- Legislatively mandated
- Strong Public Utilities Commission support
- Performance-based incentive



Minnesota conservation programs

- **Our customers save money on improvement projects and reduce energy bills**

How do energy-efficiency programs work?

- **Minn. Dept. of Commerce (DOC) required**
 - 2.0% of electric revenue
 - 0.5% of gas revenue
- **DOC approves efficiency programs; Xcel Energy administers them**

Tailored to meet customer needs

- **Simple participation process**
- **Paybacks 2-3 years or lower**
- **Most-applicable equipment retrofits and installations**

Types of business programs

- **Studies**
 - **Compressed Air**
 - **Energy Analysis**
 - **Recommissioning**
 - **Many others**

Types of business programs

- **Prescriptive / fixed rebates**
 - For commonly used energy-efficient equipment
 - Cooling, heating, lighting, motors and more
- **Custom rebates**
 - Custom Efficiency Program
 - Energy Design Assistance
 - Others
- **Rates, discounts and other options**

Electric Programs

- **Cooling Efficiency**
- **Commercial Real Estate Efficiency**
- **Compressed Air Efficiency**
- **Custom Efficiency**
- **Electric Rate Savings**
- **Efficiency Proposal**
- **Energy Analysis**
- **Energy Design Assistance**
- **Efficiency Controls**
- **Lighting Efficiency**
- **Motor Efficiency**
- **Process Efficiency**
- **Recommissioning**
- **Saver's Switch®**

Natural Gas programs

- **Boiler Efficiency**
- **Commercial Real Estate Efficiency**
- **Custom Efficiency**
- **Energy Analysis**
- **Energy Design Assistance**
- **Efficiency Controls**
- **Natural Gas Rate Savings**
- **Recommissioning**

Energy Design Assistance at Jordan High School

- **New 140,000 square foot facility**
- **Energy modeling during design phase**
- **Project results**
 - **64% energy-cost reduction**
 - **50% annual peak reduction**
 - **\$47,000 estimated annual savings**
 - **\$65,000 Xcel Energy incentives**
 - **<1 year payback**

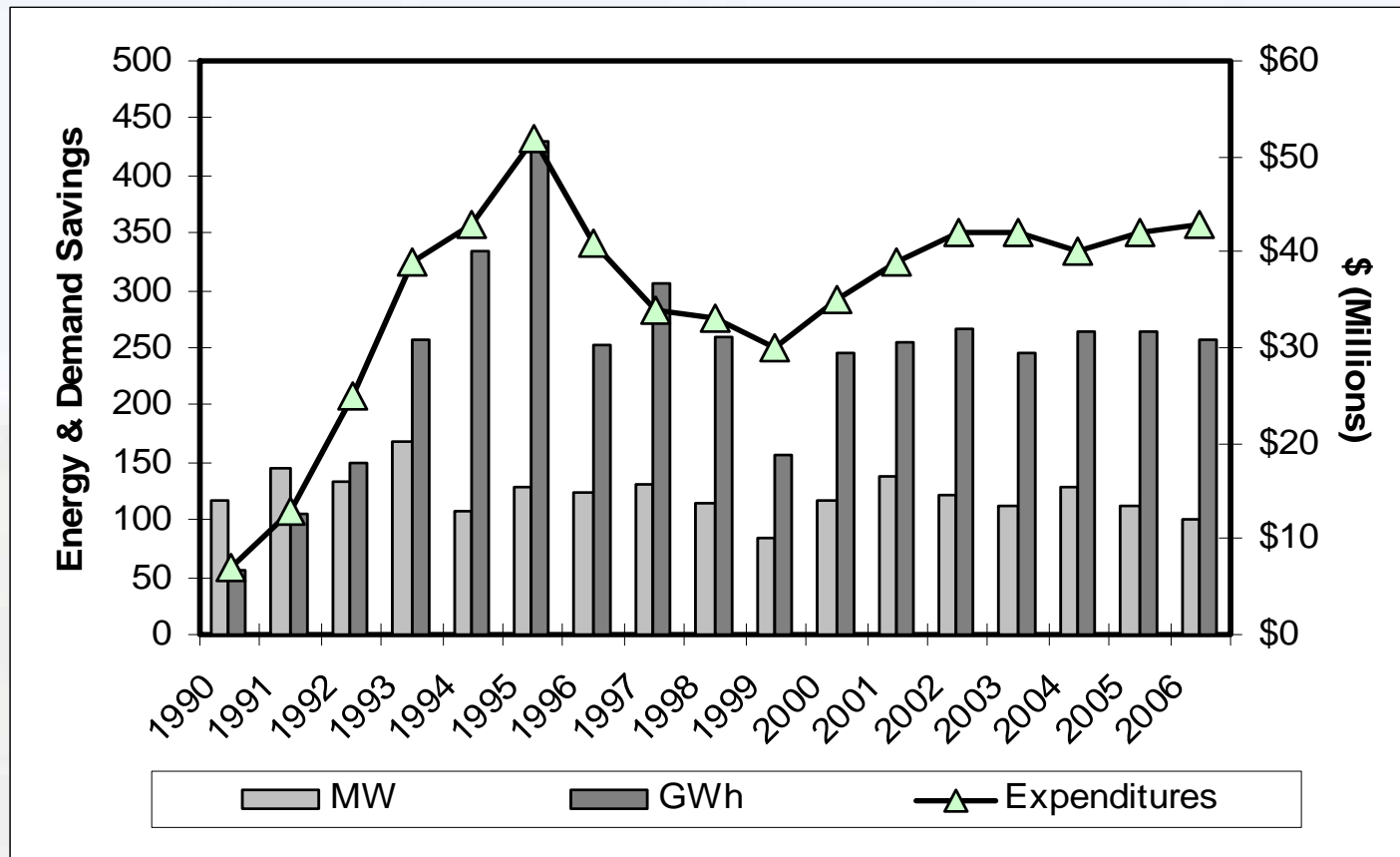
Motors and drives project at Campbell Mithun Tower

- **Installed premium efficiency motors**
- **Added VFDs to motors to improve efficiency**
- **Project results**
 - **\$227,676 total project cost**
 - **\$70,700 estimated annual energy savings**
 - **\$54,165 Xcel Energy incentives**
 - **2.5 year payback**

Minnesota programs for homes

- **Central AC/Air Source Heat Pump Quality Installation**
- **Consumer Education**
- **Ground Source Heat Pump rebates**
- **Home Lighting (CFLs)**
- **Home Efficiency Home Performance Pilot**
- **Home Electric Savings Program**
- **Home Energy Audits**
- **Lamp Recycling**
- **Saver's Switch**

Electricity-saving achievements



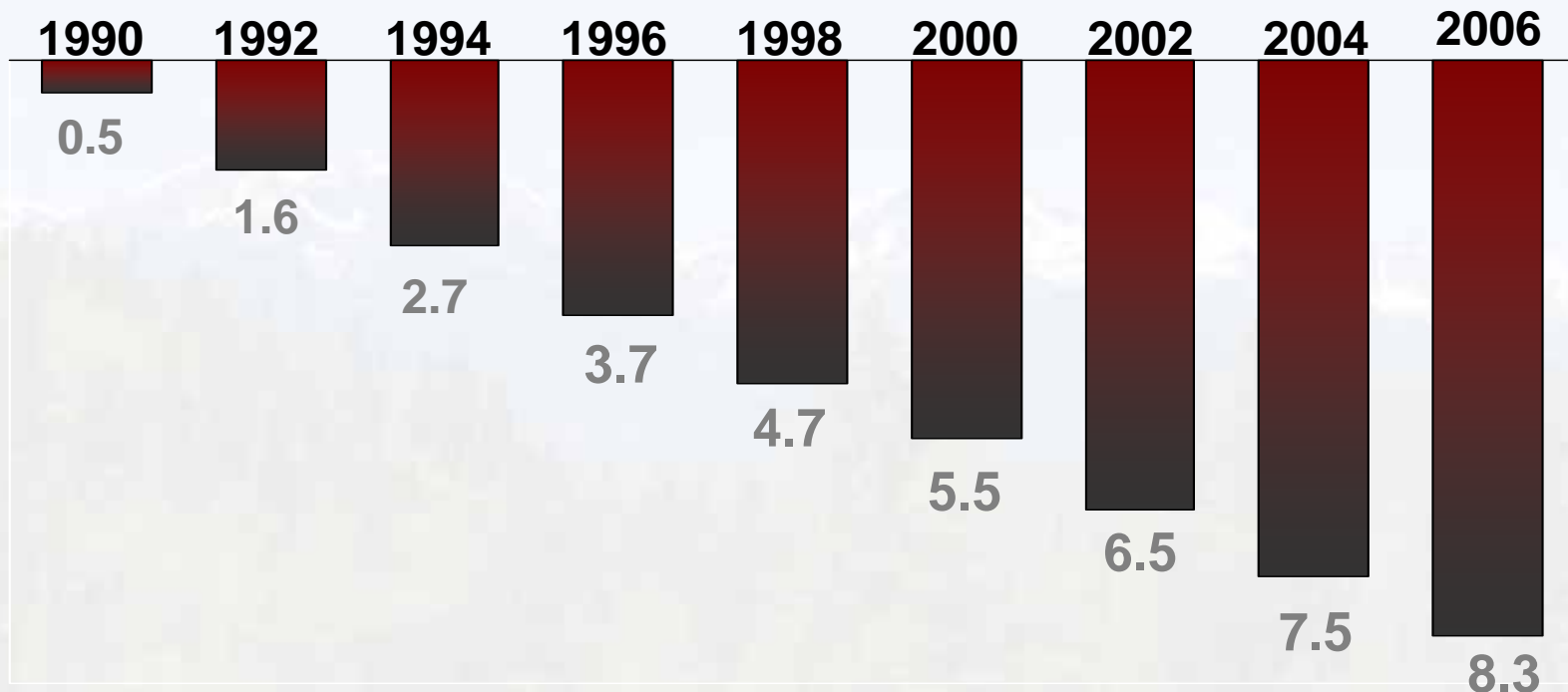
Environmental impacts

- **Reduce emissions**
- **Pollution prevention**
 - **2006: > 482 million lbs**
 - **Remove 47,000 cars from for one year**



Effective Demand-Side Management (DSM)

250 MW plants avoided through conservation and load management (MN only)



What you can do?

- **At work**
 - Account manager
 - Business Solutions Center 1-800-481-4700
 - Xcelenergy.com/rebates
- **At home**
 - Xcelenergy.com/homerebates
 - Customer Care 1-800-481-4700

A large white rectangular box with a yellow border and a dark red vertical bar on the left side, containing the text 'Thank you' in a bold, black, sans-serif font. The background of the slide is a scenic view of snow-capped mountains under a blue sky with white clouds.