City of St Cloud
Sustainable Energy Options

August 9, 2010
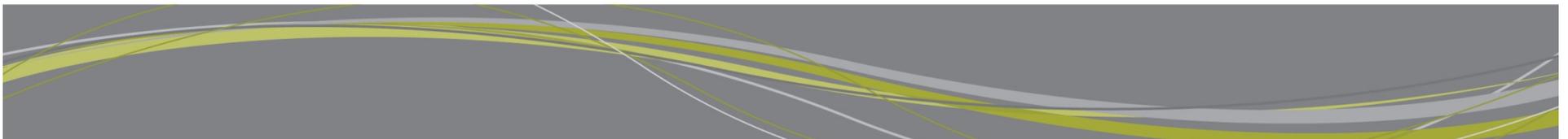
"As an environmental leader, Xcel Energy considers energy conservation our first line of defense in protecting the environment and addressing issues such as climate change."

Dick Kelly

Xcel Energy Chairman, President and CEO

A Simple Idea – Energy Efficiency

- **What started as a simple idea 20 years ago, "Use Less, Save More", has become the cornerstone of our company.**

- **Over the past two decades, Xcel Energy and our customers have become national recognized leaders in energy efficiency.**
  - **Issued over 30,000 rebates totaling in excess of $151 million dollars.**
  - **Postponed the need to build 9 medium-sized power plants**
  - **Saved enough energy to power a quarter of all MN households for an entire year!**

In 2010, Xcel Energy began offering targeted *Community Energy Efficiency Sweeps* in Minnesota.

Community Energy Efficiency Sweeps

A collaborative program bringing together local businesses, citizens, non-profit organizations, community leaders and Xcel Energy to increase the awareness and implementation of energy efficiency.

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Community Energy Efficiency Sweeps

Through a coordinated effort, *Community Energy Efficiency Sweeps* are able assist in generating greater participation in energy efficiency programs, reduce energy bills and help communities meet their long-term sustainable energy goals.

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Energy Efficiency and Renewable Program Offerings from

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Programs and Resources Available

Types of Programs

- Energy Efficiency
- Load Management
- Renewable Energy

Customer Type

- Residential
- Small Business
- Commercial and Industrial

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Energy Efficiency

Information and Resources

- Energy-saving tips and resources

- Free energy efficiency workshops

- www.ResponsibleByNature.com

- www.XcelEnergy.com

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Energy Efficiency

Audit and Study Funding

- **Residential -**
  - Free online energy audits
  - Low-cost on-site energy audits

- **Business -**
  - Free online energy assessments
  - Low-cost on-site energy assessments
  - Engineering assistance study funding
  - Recommissioning study funding
  - ENERGY STAR benchmarking

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Energy Efficiency

Advisory/Implementation Services

- **Residential Low-Income**
  - Certified energy inspector visit and installation of 4 CFLs
  - Free weather-stripping and attic and/or wall insulation
  - Replace old refrigerator, freezer or window AC
- **Business Energy Advisory Service**
  - Help implementing recommended Energy Assessment opportunities
  - Subsidize a large portion of the services of an Energy Advisor

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Energy Efficiency

Residential Rebates

Electric

- Central AC
- Air Source and Ground Source Heat Pumps
- Home Performance
- Lighting – CFLs and Recycling
- Refrigerator Recycling

Natural Gas

- Furnace / Boiler
- Water Heating
- Insulation

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Energy Efficiency

Business Natural Gas Rebates

- Commercial Heating Efficiency (boilers & furnaces)
- Commercial Real Estate Efficiency
- Custom Efficiency
- Efficiency Controls
- Natural Gas Rate Savings

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Energy Efficiency

Business Electric Equipment Rebates

- Cooling
- Compressed Air
- Efficiency Controls
- Lighting
- Lighting One-Stop Efficiency Shop
- Motors/Variable Frequency Drives
- Vending machines
- Custom

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Energy Efficiency

New Construction

- Energy Efficient Buildings (EEB)
- Business Energy Design Assistance (EDA)
- ENERGY STAR Homes

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Energy Efficiency

Whole Building Analysis/ Rebates

- Data Center
- Process Efficiency
- Recommissioning
- Trillion Btu Program

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Load Management

■ Saver's Switch

- ■ 15% off residential or discount of $5 per ton for businesses electric energy and fuel cost charges June through September

- ■ Cycles central AC off and on at 15 minute intervals during peak demand days (hot summer days)

■ Electric Rate Savings

- ■ Business customers receive up to 63% savings on demand charges if they agree to reduce their electric demand during peak demand periods

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Renewable Energy

■ Solar*Rewards

- ■ Offers residential and businesses an incentive payment of $2.25 per Watt for installing PV solar panels

- ■ System size 0.5 kW – 40 kW

■ Windsource

- ■ Small price premium to support wind energy production in Minnesota

- ■ Purchase 100 kWh blocks or choose 100% Windsource

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