



# **Xcel Energy's Commercial – Industrial Programs**

# Environmental Leadership Responsible By Nature

- **Robust Portfolio of DSM/Energy Efficiency Programs**
- **No. 1 wind power provider** – 8<sup>th</sup> consecutive year AWEA.org
  - ◆ Windsource
    - One of the largest voluntary green-pricing program in USA
- **No.5 in solar capacity**
  - ◆ One of largest photovoltaic systems and growing – 8.2 megawatts
  - ◆ Solar\*Rewards – 7,146 solar systems, 75.9-DC megawatts
- **Energy Star 2012 Award for Sustained Excellence**
- **2012-2013 Dow Jones Sustainability Index for the sixth year**



# Energy Efficiency Programs

# Energy Savings Goals - Colorado

## ■ 2012:

### ◆ **Business Electric Savings:**

■ 199 GWhs

◆ **Gas Savings:** 435,054 Dth (all programs)

◆ **Electric:** 330 GWhs all programs)

## ■ 2013:

◆ **Business Electric Savings:** 214 GWhs

◆ **Gas Savings:** 428,310 Dth (all programs)

◆ **Electric:** 356 GWhs (all programs)

Projecting to achieve the 2013 portfolio goals for Electric and Gas Savings  
final year end true-up in progress

# How Xcel Energy Helps

- Provides incentives to customers to adopt energy-efficient technologies
- Rebates are an incentive to promote energy efficiency in the marketplace
- The long term energy savings over the life of the equipment is paramount
- Xcel Energy brand name and neutral third party endorsement

**Results: long term energy savings and quicker project payback for customers**

# Business Programs Summary

## 1. Studies & Audit-Based Incentives

◆ **Preapproval required**

## 2. Prescriptive Rebate Programs

◆ **Preapproval NOT required**

## 3. CUSTOM Rebate Programs

◆ **Preapproval required**

# Studies/Audits

Xcel Energy funds a portion of a study – providing you with an understanding of how your facility or unique systems use energy and identifies rebate opportunities..

- **\*\*\*Preapproval required**
- Customer can take advantage of rebates from prescriptive or custom programs based on study recommendations.

## Programs include:

- Commercial Real Estate
- Compressed Air
- Data Center Efficiency
- Energy Analysis
- Lighting Efficiency: Redesign
- Process Efficiency
- Recommissioning
- Refrigeration Recommissioning
- Standard Offer

# Prescriptive Programs

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**Predetermined rebate amounts and related savings for various energy-saving technologies**

- **Preapproval is NOT required**
- Offer a set rebate amount and are based on defined equipment and efficiency qualifications as listed on each programs application.
- Most prescriptive programs have a 60% rebate project cap.

**Programs include:**

- Computer Efficiency
- Business new Construction
  - ◆ Energy Efficient Buildings
- **Cooling Efficiency**
- **Heating Efficiency**
- **Lighting Efficiency**
  - ◆ New Construction
  - ◆ Retrofit
- **Small Business Lighting**
- Motors and Variable Frequency Drives



# Custom (Non-prescriptive) Programs

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**For equipment and conservation efforts outside Prescriptive requirements or not covered by the Prescriptive Programs**

- **\*\*\*Preapproval required**
- Rebate amounts and energy savings vary by project

## **Programs include:**

- **Straight Custom Efficiency:**
  - ◆ Windows
  - ◆ Insulation
  - ◆ Geothermal applications
  - ◆ Roofing
  - ◆ Window tinting
- **Business New Construction**
  - ◆ **Energy Design Assistance**
- **Energy Management Systems**

# Federal Agency EE Activity

- Very strong participation by Federal Agencies
- Sample projects over the last three years:

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<b>DOD</b>	<b>42 Projects</b>	<b>4.8 Gwh Savings</b>
<b>GSA</b>	<b>35 Projects</b>	<b>3.0 Gwh Savings</b>
<b>DOC</b>	<b>21 Projects</b>	<b>6.4 Gwh Savings</b>
<b>DOE</b>	<b>5 Projects</b>	<b>4.6 Gwh Savings</b>
<b>USPS</b>	<b>5 Projects</b>	<b>3.6 Gwh Savings</b>

# Federal Agency EE Activity Cont.

## ■ DOD

- ◆ Lighting retrofits, chiller upgrade, boiler replacement, VFD retrofits, motor replacements
- ◆ Large free cooling project under construction schedule completion in 2014

## ■ GSA

- ◆ Energy Design Assistance (EDA) for major remodel of courthouses, and office complex
- ◆ Nine buildings currently pursuing Recommissioning studies at Denver Federal Center

# Federal Agency EE Activity Cont.

## ■ DOC

- ◆ Major Recommissioning at NOAA
- ◆ Cooling and mechanical installation at new central utility plant - NIST campus
- ◆ Phase 2 of Self Direct program - major remodel Building 1

## ■ DOE

- ◆ Energy Design Assistance (EDA) for RSIF II, parking garage, security center
- ◆ Completion of ESIF Self Direct spring of 2014

# Federal Agency Renewable Activity

- **Xcel Energy has worked with the Federal Government to meet it's renewable energy needs since 1998**
- **In 2013, Federal Agencies purchased over 32 million kWhs of renewable energy through Windsource**
- **Five of the top ten Colorado purchasers of Windsource are Federal Agencies**
- **Windsource customers include Treasury, DOD, Health and Human Services, DOC**

# Federal Agency Renewable Activity

- **The Federal Government has enrolled several PV projects in the Solar Rewards program since 2003**
- **Participating agencies include DOD, DOE, GSA, Fish & Wildlife**

# Other Federal Relationships

- **NREL has been instrumental in the development of Xcel Energy's web based New Construction energy efficiency modeling program using NREL's OpenStudio tools to maintain quality and reduce costs**
- **NCAR, NREL and NOAA all contributed in the development of the Xcel Energy Wind Prediction system.**
  - ◆ **38% reduction in forecast error for Xcel Energy**
  - ◆ **Estimated \$36 million in savings for Xcel Energy rate payers due to system dispatch efficiency associated with improvements in wind forecasting since 2009**
  - ◆ **Solar forecasting capability in development**