

# Colorado Energy Efficiency 2009/10 Program Plans

**CUE Exchange**

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- **Summary by Segment**
  - Residential
  - Low Income
  - Business
- **Upcoming Challenges**

# 2009/10 Plan Summary

<b>2009</b>	<b>Electric Budget</b>	<b>GWh Savings</b>	<b>Gas Budget</b>	<b>Dth Savings</b>
<b>Residential</b>	\$20,320,532	60	\$5,094,697	138,462
<b>Low income</b>	\$1,516,075	5	\$3,363,503	100,579
<b>Business</b>	\$21,520,457	116	\$1,209,587	79,100
<b>Indirect</b>	\$5,356,221	0	\$2,885,743	0
<b>Total</b>	<b>\$48,713,284</b>	<b>181</b>	<b>\$12,553,529</b>	<b>318,141</b>

<b>2010</b>	<b>Electric Budget</b>	<b>GWh Savings</b>	<b>Gas Budget</b>	<b>Dth Savings</b>
<b>Residential</b>	\$21,628,527	72	\$7,528,935	196,828
<b>Low income</b>	\$1,695,693	6	\$3,795,193	109,024
<b>Business</b>	\$32,191,888	166	\$1,505,522	96,956
<b>Indirect</b>	\$4,806,038	0	\$3,226,713	0
<b>Total</b>	<b>\$60,322,147</b>	<b>244</b>	<b>\$16,056,364</b>	<b>402,808</b>

# 2008 Existing Programs

- **Electric programs only; natural gas not available**

<b>Residential (4)</b>	<b>Low Income (2)</b>	<b>Business (9)</b>
Home Lighting & Recycling	Energy Savings Partners (Gas)	Energy Design Assistance
Evaporative Cooling rebate	CFL Giveaway	Recommissioning
Central AC Tune Up		Lighting Efficiency
Saver's Switch		Motor Efficiency
		Cooling Efficiency
		Custom Efficiency
		Compressed Air Efficiency
		Energy Management Systems
		Energy Analysis

# Projected 2009-10 Programs

<b>Residential (14)</b>	<b>Low Income (4)</b>	<b>Business (16)</b>
Heating System rebates	Single-Family Weatherization	Boiler Efficiency
Water Heater rebates	Multi-Family Weatherization	Compressed Air Efficiency
Insulation rebates	Easy Saving Energy Kits	Cooling Efficiency
Energy Star New Homes	Non-Profit Energy Efficiency	Custom Efficiency
Home Performance w/ Energy Star		Data Center Efficiency
School Education Kits		Energy Management Systems
Energy Efficient Showerheads		Furnace Efficiency
Home Lighting & Recycling		Lighting Efficiency
Home Energy Audits		Motor & Drive Efficiency
Evaporative Cooling rebates		New Construction
Energy Star Retailer Incentive		Process Efficiency
Consumer Behavioral Change		Recommissioning
Refrigerator Recycling		Segment Efficiency
Saver's Switch		Small Business Lighting
		Standard Offer
		Self-Direct

# Residential

## Electric Programs

- **Home Lighting & Recycling** – CFL's available via web, inserts and retail events; CFL recycling at Ace Hardware stores
- **Refrigerator Recycling** – Seasonal campaigns offering a rebate for recycling secondary refrigerators
- **Saver's Switch** – Cycled air conditioner demand response summer program
- **Evaporative Cooling Rebates** – Tiered rebates based on efficiency and cubic feet/minute

# Residential

## Gas Programs

- **Insulation Rebates** - Rebates for additional wall, attic and attic bypass insulation
- **Heating System Rebates** - Prescriptive tiered rebates for high efficient furnaces and boilers
- **Water Heater Rebates** - Prescriptive tiered rebates for high efficiency water heaters (storage and tankless)
- **Energy Efficient Showerheads** - Encouraging use of energy and water saving showerheads by free distribution of units

# Residential

## Electric & Gas Programs

- **School Education Kits** – Teacher’s lesson plan and kit with low cost measures & educational materials
- **Home Energy Audits** - Tiered audit offering (Standard/Blower Door/Infrared)
- **ENERGY STAR® New Homes** - Test performance and provide rebates for new homes
  - Modeled shell design and tested performance
  - Performance modeling of heating and cooling systems



# Residential

## Electric & Gas Programs

- **Home Performance with ENERGY STAR<sup>®</sup>**
  - Whole house approach to existing homes
  - Promote with Home Energy Audit program
  - Measures include:
    - Insulating ceiling, walls, perimeter, storm windows
    - Infiltration reductions
    - High efficiency heating, cooling and water heating options
    - ENERGY STAR<sup>®</sup> appliance options
    - CFL's replacing incandescents

# Residential

## Market Transformation Programs

- **Energy Star® Retailer Incentive** – Pilot program providing rebates for a variety of electric home appliances and televisions
- **Customer Behavioral Change** - Indirect impact program focused on building awareness of general energy efficiency through community events, promotions, advertising and outreach

# Low Income

## Electric and Gas Programs

- **Single & Multi-Family Weatherization programs**
  - Menu of options for existing homes
    - Attic, wall, floor, crawl space insulation
    - Air infiltration reduction and duct sealing
    - High efficiency furnaces and CFL's
    - Variable speed furnace fan motor with furnace replacements
    - Replace inefficient refrigerators
    - Secondary savings from shell improvements

# Low Income

## Electric and Gas Programs

- **Easy Savings Energy Kits** - Partner with third parties to identify and distribute educational materials and a kit containing low cost measures to customers
- **Non-Profit Energy Efficiency Program** - Partner with Energy Outreach Colorado for auditing and upgrading efficiency within buildings of non-profit businesses that serve low-income customers

# Business

## Electric Programs

- **Lighting Efficiency** – Rebates for new and retrofit lighting installations
- **Motor Efficiency** – Rebates for NEMA premium motors and drives
- **Cooling Efficiency** – Rebates for cooling equipment and chillers
- **Compressed Air Efficiency** – Studies and rebates for identifying and fixing compressed air systems

# Business

## Electric Programs

- **Small Business Lighting** – Third party offering providing lighting assessment, turnkey services and rebates targeted to customers under 400kW
- **Data Center Efficiency** – Studies and rebates for servers and cooling within new and retrofit centers
- **Self Direct** – Eligible to large customers (10GWh+) who assess and perform their own efficiency upgrades; portion of DSM costs repaid as rebates

# Business

## Gas Programs

- **Boiler Efficiency** – Prescriptive rebates for high efficiency boilers, boiler tune-ups, and ancillary energy efficiency components
- **Furnace Rebates** – Prescriptive rebates for commercial-sized forced-air high-efficiency furnaces

# Business

## Electric & Gas Programs

- **Custom Efficiency:** Allow customers to submit unique energy efficiency projects
- **Energy Design Assistance:** Assist customers with adding energy efficiency measures into the construction of new buildings. Will include optional LEED certification and a component for smaller buildings (<50,000 sq-ft)
- **Recommissioning** – Fund the review of existing systems for proper operation



# Business

## Electric & Gas Programs

- **Energy Management Systems** – Custom rebates available for building energy control systems
- **Process Efficiency** – Extensive study funding to uncover conservation projects over 2 GWh
- **Segment Efficiency Programs** – Focus on packaging efficiency options to Commercial Real Estate customers
- **Standard Offer Program** - Performance contracting primarily focused on schools and government buildings

# Business

## Market Transformation Programs

- **Energy Analysis** – A program to help fund audits and engineering studies to identify energy savings
- **Customer Behavioral Change** - Indirect impact program focused on building awareness of energy efficiency through corporate events, promotions, advertising and outreach

# Upcoming Challenges

- Selecting third-party contractors to support the implementation and verification of programs
- Customer awareness and willingness to spend
- Explore partnership opportunities
- Educating and training equipment contractors on program policies and applications
- Building a queue of projects for long sales cycle programs
- Program cross-promoting opportunities

# **Peter Narog**

Manager, Consumer Energy Efficiency Marketing

303-294-2138

[Peter.Narog@xcelenergy.com](mailto:Peter.Narog@xcelenergy.com)