

# Coordinated Energy Efficiency Programs for Long-term Solutions

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## National Low-Income Energy Consortium

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Energy Solutions



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# ENERGY OUTREACH COLORADO (EOC)

Who is Energy Outreach Colorado?

Relationships with utilities, REAs, municipalities, foundations, and individual and corporate donors.

Primary Programs:

- ◆ Utility Bill Payment Assistance
- ◆ Education and Outreach
- ◆ Advocacy
- ◆ Energy Efficiency Grants in Affordable Housing and Nonprofits

# UTILITY BILL PAYMENT ASSISTANCE

To date there are 100 agencies across the state in our Charitable Energy Network (Grant goes from Nov. 1 to Oct. 31)

\$5.5 million was distributed in grant funding for bill payment assistance in FY 2006. In FY 2007, \$6.15 million will be distributed.

An additional \$1.5 million, from House Bill 06-1200, enabled agencies to help more clients in getting caught up before this current heating season.

EOC contributes an average of \$2.5 million to LEAP each year.

# EDUCATION & OUTREACH



Energy Hog Traveling Road Show – free elementary school program.

Since the program's inception in 2003 we have reached 165 schools and over 23,000 students.

Energy Assistance Expos.

Neighborhood association and agency workshops.

Creation of a consumer education DVD through a partnership with Xcel Energy & Habitat for Humanity of Colorado.



# ADVOCACY

Senate Bill 1: Colorado's  
Low-Income Energy Assistance  
Program – May 2005

House Bill 06-1200: Low-  
Income Residential Energy  
Efficiency and Assistance  
Program – February 2006

Senate Bill 22: Authorizes the Colorado Public Utilities  
Commission to consider the needs of low-income utility  
customers when approving utility rates and practices –  
April 2007



# NONPROFIT ENERGY EFFICIENCY PROJECT (NEEP)

Launched the NEEP initiative in Spring 2006.

Collaboration of public-private partnerships to fill the gap in the need for energy assistance in nonprofit facilities - \$150K is contributed for pilot.

Six organizations and their multiple facilities were served in the pilot phase of the initiative – this has been very successful as one example illustrates.

Expanding NEEP in Spring 2007 through our partnership with the City of Denver and their commitment of \$500K.



# URBAN PEAK



PUBLIC SERVICE COMPANY OF COLORADO \*  
 P O BOX 840  
 DENVER, CO. 80201  
 (800) 481-4700

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<b>Customer Name</b>	<b>Service Address</b>	<b>Due Date</b>	<b>Premise Number</b>	<b>Premise Total</b>
URBAN PEAK	1630 S ACOMA ST DENVER, CO 80223-3602	Mar 26, 2007	[REDACTED]	\$1,320.41

### Electric Service - Account Summary

Invoice Number	[REDACTED]	Secondary Gen	\$46.77		
Meter No.	[REDACTED]	GRSA	\$36.88		
Rate	SG	Secondary Gen	Demand	\$243.60	
Days in Bill Period	29		Air Quality Imp	\$8.77	
Current Reading	28177	Actual	03/08/2007	Elec Commodity Adj	\$224.76
Previous Reading	27988	Actual	02/07/2007	Demand Side Mgmt Cost	\$8.70
Multiplier	40.000			Purch Cap Cost Adj	\$124.12
Measured Usage	189			Renew. Energy Std Adj	\$4.16
Kilowatt-Hours Used	7560			Franchise Fee	\$20.93
Measured Demand	0.736	kW	Actual	Sales Tax	\$55.48
Billed Demand	29	kW		<b>Subtotal</b>	<b>\$774.17</b>

### Gas Service - Account Summary

Invoice Number	0077593702	Commercial					
Meter No.	0000C1163543	Usage Charge	578.00 x	0.09646	\$55.75		
Rate	CG-T	Commercial	Interstate Pipeline	578.00 x	0.06080	\$35.14	
Days in Bill Period	29		Natural Gas - Feb	446.20 x	0.65500	\$292.26	
Current Reading	56099	Actual	03/07/2007	Natural Gas - Mar	131.80 x	0.67480	\$88.94
Previous Reading	55433	Actual	02/06/2007	Service & Facility		\$20.24	
Measured Usage	666			Franchise Fee		\$14.77	
Therm Multiplier	0.8685			Sales Tax		\$39.14	
Therms Used	578.00			<b>Subtotal</b>		<b>\$546.24</b>	

### Comparison Information

			Billing Period	Kwh Usage/Month	Therm Usage	Avg. Daily Temp.
Gas	\$546.24 per month	\$18.84 per day	This Year	7560	578	32°
Electric	\$774.17 per month	\$26.70 per day	Last Year	8600	707	36°

### Customer Messages

The Colorado Public Utilities Commission has ordered us to change our billing and collection method for regulated and non-regulated charges. To meet this order, we will break out regulated and non-regulated charges on bills containing non-regulated charges starting February 21, 2007. Questions? Contact us at 1-800-895-4999 or inquire@xcelenergy.com.



# ENERGY SOLUTIONS GRANTS



**EOC strives to lessen the energy burden on our income limited constituents by improving the energy efficiency of rehabilitated and new construction affordable housing across the state. We do so through our Energy Solutions Grants Program.**

**In FY 2006 Energy Outreach Colorado allocated \$500K in Energy Solutions Grants**

**ESG Program assisted 14 projects throughout Colorado – equating to over 400 single-family and multi-family households.**

**This year (FY 2007) EOC will distribute \$600K in ESG funds.**

# ENERGY SOLUTIONS GRANTS CONT.

## Home Energy Assistance & Weatherization Pilot Project

- ◆ Bridging EOC's cash assistance and energy efficiency programs.

## Measurement & Evaluation

- ◆ Utility Bill Analysis Reports
- ◆ Energy Star or E-Star Ratings

# MEASUREMENT & EVALUATION

E-Star 2000051006F

## E-STAR COLORADO

Certifies that the home located at

3350 Fillmore St, Denver, CO 80206


has been rated using the Uniform Energy Rating  
and receives, on a scale of 1 Star to 5 Stars+

## E-STAR ENERGY RATING



and receives, on a scale of 0 to 100

91

  
Signature for E-Star Colorado

12/30/00  
Date of Rating

# ENERGY SOLUTIONS GRANTS CONT.

## Grant Recipients – Habitat for Humanity

- ◆ Striving to help all Colorado Habitat homes become energy efficient.
- ◆ Innovation = Zero Energy Home



# What is Habitat for Humanity of Colorado?



## Our Mission:

*HFHC is a nonprofit 501c3 corporation whose purpose is to build the capacity of affiliates by increasing access to resources, facilitating communication between affiliates and the community, and providing statewide leadership toward the creation of thriving communities that support healthy families.*

# Colorado Statewide Energy Efficiency Initiative

*Lower utility bills mean an increase in disposable income and represent an opportunity for families to build wealth and break the cycle of poverty.*

## ***SUSTAINABLE AFFORDABILITY***

- All affiliates recognized as national Energy Star Partners
- Every Habitat home certified to Energy Star Standards or higher
- Empower homeowners
- Share innovations and best practices between affiliates and to monitor our successes through both anecdotal and empirical data.

# Construction Upgrades

- Insulation
- Water
- Lighting
- Appliances
- Ventilation
- Solar
- Heating
- Windows



# Outcomes and Accomplishments



- 105 homes certified
- Zero energy home and other demonstrations
- Energy Star Award



# 1. Homeowner Education: the missing piece

ensuring the sustainability of homeownership and affordability by empowering Habitat homeowners with knowledge on how to operate housesystems and adopt behaviors that optimize the efficiency of the home .

- Train the trainer
- Manual
- Video
- Partnership and promotion



# CONTACT INFORMATION

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