



- 1. Update on donations, projects, outreach**
- 2. Plans for 2010 outreach**
- 3. Strategic Planning: CCF Version 2.0**





**Jennifer Mich**

**CCF Business Outreach Associate**

**Temporary contract thru June 2010 to help outreach  
to the business community, drive donations to the  
CCF**





# How CCF Works: We Buy and Sell Carbon Offsets

1. Donors give to CCF to offset their carbon footprint

**Sell offsets to consumers**

2. Colorado Carbon Fund finds projects

3. Project developers sell offsets (GHG reductions) to the CCF

4. Offsets generated by projects are certified, retired on behalf of CCF donors by The Climate Trust

**Buy offsets from projects**





# Colorado Carbon Fund's 1st Project



**SUMMARY:** The Larimer County Landfill Gas project captures methane from the Larimer County landfill, preventing the equivalent of approximately 40,000 metric tons of carbon dioxide from reaching the atmosphere each year.



## CLIMATE ACTION RESERVE OFFSETS LARIMER COUNTY LANDFILL GAS



FORT COLLINS, COLORADO

The project's annual CO2 reductions are equivalent to taking about 7,500 cars off the road for a year

Bonneville Environmental Foundation  
240 SW First Avenue  
Portland, OR 97204  
www.b-e-f.org

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503-248-1905

Susan Innis  
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303-866-2309

**LOCATION:** Fort Collins, Colorado

**PROJECT OWNER:** Larimer Energy, LLC. Larimer Energy is a partnership of BEF Renewable Incorporated (a subsidiary of Bonneville Environmental Foundation) and Timberline Energy, LLC of Colorado.

**COLORADO CARBON FUND:** This is the first project approved by the Colorado Carbon Fund, a program of the Colorado Governor's Energy Office that has committed a significant purchase of carbon offsets that will be made available to Coloradans. The Fund seeks out projects that provide real, verified, reduction of greenhouse gas emissions through energy-related measures in the state of Colorado.

**ONLINE DATE:** Construction will begin in August 2009. Gas flaring expected to commence in October 2009; renewable electric generation by March 2010.

**THIRD PARTY CERTIFICATION:** The offset project will be designed and managed in accordance with the Climate Action Reserve's Landfill Gas Protocol. The protocol provides independent and transparent procedures for calculating the emission reductions resulting from destroying methane to produce electricity, and verifying the level of offsets by an accredited auditor. The offsets purchased from this project will be registered on the Reserve's publicly accessible registry and retired on behalf of the donors to the Colorado Carbon Fund who made this transaction possible.

**REGULATORY INFORMATION:** This is a voluntary project. Under its permitted size, the project is likely to stay well below federal thresholds for requirements to destroy or treat landfill gas over the next 10 years.

**GAS UTILIZATION:** Captured gas will run a 1.6 megawatt Caterpillar reciprocating engine, with power sold to the Poudre Valley Rural Electric Association. The generator on this project is less than half the average size for landfill gas projects nationally.

According to EPA data, the average landfill-gas-to-energy project has 3.4 MW of generating capacity, with the largest project (Puente Hills in California) generating up to 50 MW.

*"The sale of carbon credits from our projects is an integral part of Timberline's business model for small landfill gas-to-energy projects. The financial viability of small projects rises or falls on the successful marketing of carbon credits."*

GREG TILDEN, PRESIDENT OF TIMBERLINE ENERGY, LLC

*"The Larimer project exemplifies the importance of the voluntary carbon offset market. Without the expected revenues from carbon offsets, this project doesn't make economic sense and would not get built."*

MARGARET GARDNER, CEO OF BONNEVILLE ENVIRONMENTAL FOUNDATION

- Colorado Carbon Fund committed **\$230,000** to purchase offsets from a landfill gas-to-energy project in Larimer County
- 1<sup>st</sup> Climate Action Reserve listed project in CO
- Total GHG reductions expected to be 40,000 metric tons CO2e/year
- Construction underway now
- Offsets currently being generated by flaring
- Electricity generation by end of 2010





# Our Contributors to Date

800 transactions from 90 communities (partners underlined):

1. Denver (256)
2. Boulder (82)
3. Fort Collins (42)
4. Lakewood (34)
5. Colorado Springs (31)
6. Littleton (20)
7. Aurora
8. Broomfield
9. Westminster
10. Golden
11. Highlands Ranch
12. Steamboat Springs
13. Ignacio
14. Centennial
15. Pueblo
16. Bayfield
17. Lafayette
18. Longmont
19. Loveland
20. Alamosa



## Total Raised: \$356,000





# Outreach Partnerships

## 2009:

City of **Aspen**

City of Boulder, **Boulder** County, **Longmont**

**Crested Butte/Gunnison** (Office for Resource Efficiency)

**Denver** (Greenprint, Greener Denver Business Program)

**City of Fort Collins**

**Pueblo** (NGOs at farmer's market)

**Steamboat** (Yampa Valley Sustainability, Chamber)

**Summit County** (High Country Conservation)

**Telluride** (The New Community Coalition)

**Vail/Eagle Valley** (Eagle Valley Alliance for  
Sustainability, Vail Valley Partnership)

**2010:** All GEO's Community Marketing Grant Recipients,  
Community Energy Coordinators, more Front Range  
Communities, Colorado Springs, Durango,



# Numbers Speak Louder Than Words



34 million.

That's the pounds of carbon dioxide emissions that have been reduced in our state, thanks to nearly 800 families and businesses who have joined with us.

With your help, that number can grow 100 fold. Go to our site and see how simply your actions become big numbers – numbers that tell the story of a better Colorado.



## New print media campaign

- 5280 Magazine
- Regional Business Journals
- ReDirect Guide
- Ecometro coupon book

If you'd like to get one, make a minimum \$25 donation on ColoradoCarbonFund.org and you'll get a certificate by email to bring to DMV

Instant Hybrid



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**Think**

Calculate your carbon footprint.

**Act**

Reduce your carbon footprint.

**Fund**

Offset your carbon footprint.



We Have The Power

ColoradoCarbonFund.org

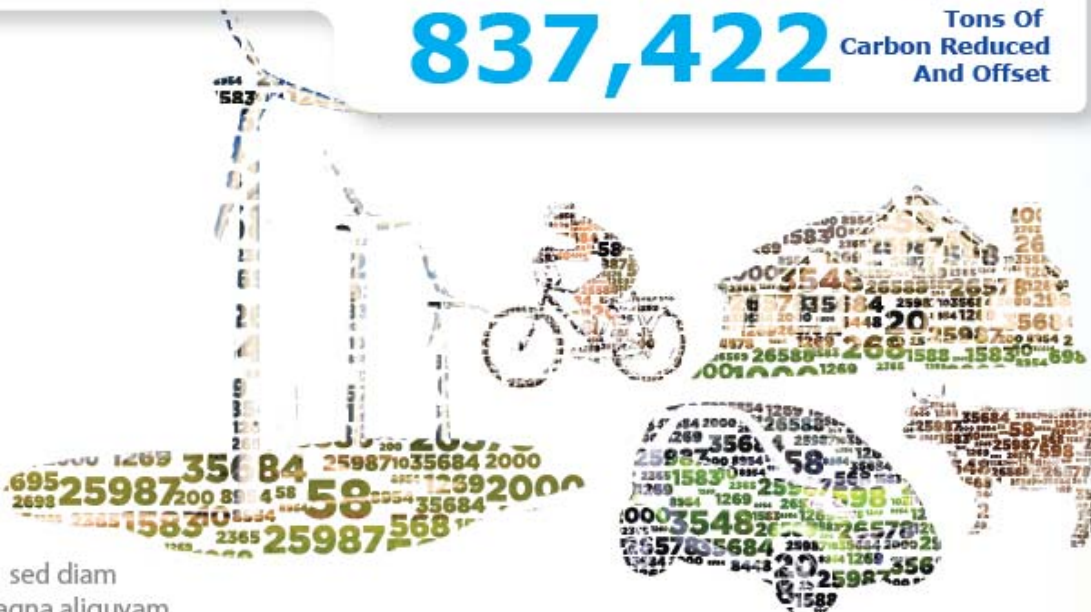


T\_Badmil: Total 45 ... Raymn12: Total 63 ... Maryxtony45: Total 14 ... AMYB\_LYN: TOTAL 26 ... BILL B

**837,422** Tons Of Carbon Reduced And Offset

# NUMBERS SPEAK LOUDER THAN WORDS

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## 3 SIMPLE STEPS TO CHANGE:

### think

Use our online calculator to measure the greenhouse gas emissions from your energy use, driving and air travel

[begin >](#)

### act

Take simple steps to reduce your energy consumption - you'll lower emissions and save money on your energy and fuel bills

### fund

For the emissions you can't reduce on your own, donate to the Colorado Carbon Fund and we'll support projects that reduce emissions right here in our state

## upcoming events

January 25, 2010  
How the West Was Warmed  
booksigning Boulder

February 3, 2010  
University of Colorado vs. Kansas  
men's basketball game Boulder

Sign up for our monthly e-newsletter:

## press

January 8, 2010  
RFP for Solar Hot Water Projects

September 24, 2009  
PRESS RELEASE: Office for Resource  
Efficiency and Project C to reduce  
greenhouse gas emissions



We Have The Power

INDIVIDUALS

BUSINESSES

EVENTS

Sign up for our  
monthly e-newsletter

Enter your Email

## 1 Plan Your Action

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## 2 Complete Your Action

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Your Footprint:



Your Total Actions:



Offsets to Fund:



## 3 See Your Impact

Planned Actions

Completed Actions

clear

ENERGY

TRAVEL

WASTE

- Flip the Switch and Unplug When You Leave
- Upgrade Your Light Bulbs
- Install and Use a Programmable Thermostat
- Do not use Heating and Cooling
- Install double-paned windows
- Take 5 minute Showers
- Cold Wash Clothing
- Insulate Your Water Heater
- Hang Your Clothes to Dry
- Energy Star appliances
- Run dishwashers and washing machines with full loads

- Walk to work once per week
- Walk to work daily
- Bike to work once per week
- Bike to work daily
- Take public transit to work once per week
- Take public transit to work daily
- Purchase a hybrid
- Carpool
- Walk for daily trips in town
- Bike for daily trips in town
- Take public transit for daily trips in town
- Take public transit for regional trips
- Use a car-sharing program for regional trips

- Compost Food and Table Scraps
- Compost Expired Food
- Compost Yard and Garden Waste
- Recycle Cardboard
- Recycle Paper, Newspaper, and Magazines
- Recycle Plastic
- Recycle Aluminum
- Recycle Glass
- Reuse containers, bottles, and jars

**New and Improved!**



## Colorado Carbon Fund Version 2.0

- (1) Changes to Products Offered
- (2) Changes to Organizational Structure





## Expanded Products

### **FEW large scale project leads**

- Cost \$5-12 per ton
- Lower co-benefits
- Central location
- Can be certified

### **Technology Type**

- Coal mine methane
- Anaerobic digester
- Co-digesters
- Cogeneration/CHP

### **Customer Target**

- Pre-compliance offset buyers (utilities, O&G sector) who need certification
- Buyers interested in banking offsets for future compliance
- Opportunities to co-invest with Buyers
- Provide additional financing options to projects
- Potentially large pools of money

### **MANY small scale project leads**

- Cost \$8-300+ per ton
- Higher co-benefits
- Distributed statewide
- Unlikely to be certified (economies of scale, regulatory issues)

### **Technology Type**

- Solar Hot Water
- Biomass
- Wastewater Treatment
- Efficiency
- Transportation

### **Customer Target**

- Individuals and businesses who want to support new, local projects
- Interested in tax-write off
- May have less interest in rigorous certification
- Potentially smaller pools of money

### **NEW “offset” project types**

- Collaborate with other state agencies (CDPHE, CSU)
- Expand possibilities for projects in the state
- Expand research
- Develop new methodologies and protocols

### **Technology Type**

- Agricultural CO2 sequestration
- Forestry – tree planting, avoided deforestation

### **Customer Target**

- Businesses with ag-industry focus
- Pre-compliance

