



Creating A
Resilient
Community
Local and Global Connections

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Musicians:
Webber Middle School

Drew Guyor
Stevie Klaer
Dylan Leschak
Kyle McVey
Connor Pembroke
Allie Watkinson

Local Experts

- Valerie Kasminiski, NC Green Menu
 - Healthy Food Choices
- Molly North, City of Fort Collins
 - Healthy Transportation Options
- Stephen Ponce- Pore , Bank of Colorado
 - Financing Home Improvements
- George Wallace, Colorado State University
 - Connecting to Other Communities
 - San Cristobal (Mexico)





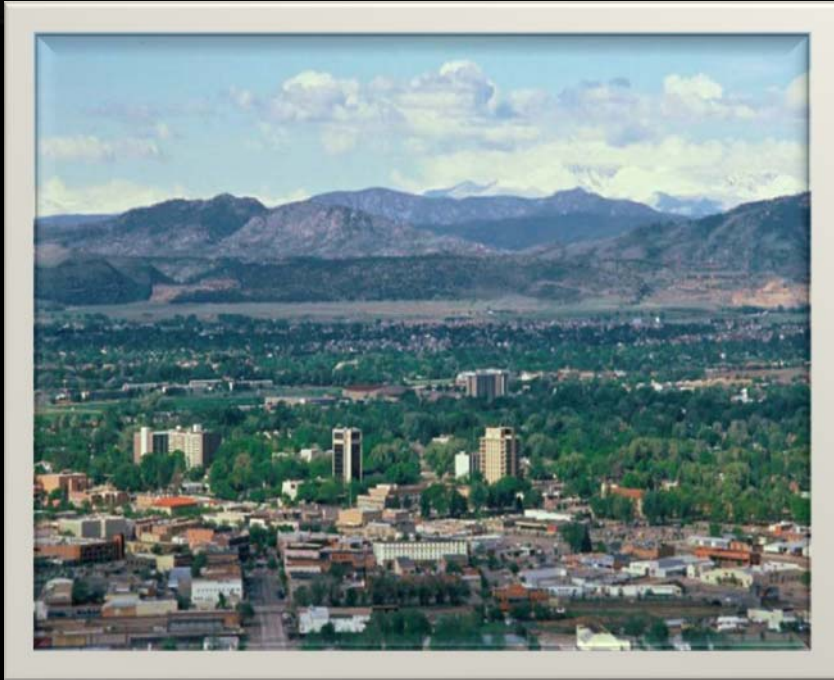
Connections to Others
and the Environment Count



World Population is nearly 7 billion

By the end of this presentation,
enough babies will be born to fill
Hughes Stadium

Community Carbon Footprint - 2009



Per person emissions
were 19 metric tons

US average - 20 mt

CO average - 21 mt

World average - 4 mt

* NYC – 7 mt

- Emissions have
dropped 3% below
2005 levels.

Colorado Impacts – Warmer Temperatures



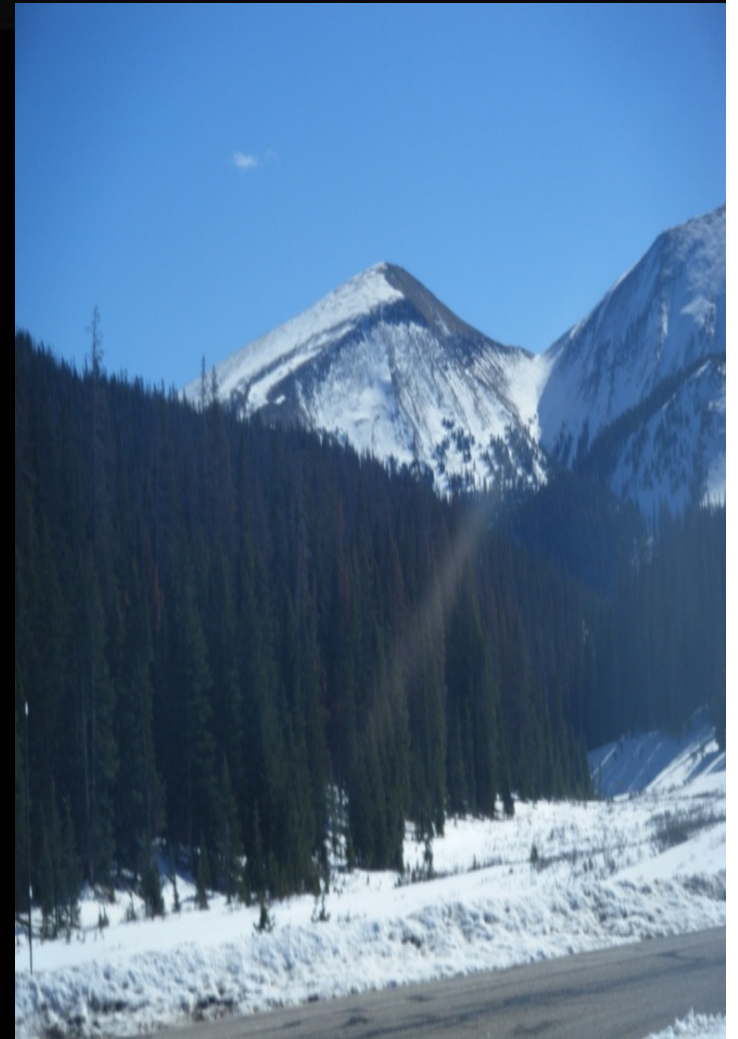
- Shorter and warmer winters, with thinner snowpack and earlier runoff;
- Widespread beetle infestation;
- More wildfires, burning twice as many acres each year than before 1980.



Water , Dust, and Population

A recent study showed that dust coating of the Rockies snowpack reduced the supply of water to the Colorado River by 261 billion gallons (2X Las Vegas water needs).

3 million acres of farms and 27 million people from seven states and 2 countries depend on the water.



REWILDING & RECONNECTING :

Poudre and Land-Use

Cities began about 13,500 years ago when certain grains began to be farmed around fertile river valleys. Rivers were then used to power industrial processes.

The suburbs provide farming opportunities .

David Holmgren



Happiest Countries

Costa Rica

Denmark

Iceland

Switzerland

Finland

Mexico

Norway

Canada

Panama

Sweden



Happiness



Many studies find that human happiness depends on three key elements:
good health,
access to education,
and relative wealth.



Within PSD, the # of kids living in poverty is between 7-71%.



VOLUNTEER

Joining a group that meets even once a month produces the same happiness as doubling your income.

United Way has a list of hundreds of non-profit and educational organizations.



Happiness

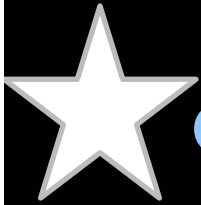
In Copenhagen, one of the happiest cities in the world, 32% of workers bike to work daily. Even in rainy weather, 60 % will still cycle, and 66% will continue to ride their bikes during winter months.



Transportation Connection

Transfort ridership has increased by 28% since 2005.

7% of residents use public transit and 5% carpool. (NYC- 82%)



Convert your car to run on biodiesel or buy a E-85 vehicle.

Blue Sun – local distributor



Oil, Food & Transportation Connection

Average U.S. meal is
transported

1,500 miles to reach your
plate.

Petrochemicals are used to
grow
crops faster.

Banned pesticides can
legally be exported to
other countries and used
on foods we import.

Dirty

Celery

Peaches

Strawberries

Apples

Blueberries

Nectarines

Bell peppers

Spinach

Cherries

Kale



Plant your options....

Start a garden.

Shop at restaurants
that support local
farmers.

Buy a share in a CSA
(local farm).

Join a community
garden.



CSA, Landscaping, Ranching & Social Responsibility

Grant Farms & Morning Fresh

- Been growing organically since 1974. Deliver in town.
- Fruit, eggs, bread, mushrooms, cheese, flowers, meat and poultry.

Happy Heart Farms

- Fresh vegetables, honey, fruit, berry shakes, juice, and eggs

Sylvan Dale Ranch

- Grass fed natural beef

Wild Iris Landscapes & Alzheimer Association (472-9797)



Clean Air Choices

6.4 % of our electricity
from renewable energy.

Blocks of wind can be
bought for about \$10
extra per month.

Home wind turbines or
PV options.

City & ReCharge rebates



Case Study: John A

- Monthly mortgage payment reduction ~ \$200.
- Insulation- \$300 rebate from FCU; PV- \$4,500 rebate from FCU; \$4,500 rebate from GEO; federal tax deduction (@30%, could be as much as \$6k
- 50-75 per month on utilities: insulation = \$20-30 / mo; PV = \$30-45 / mo.



Energy Reduction & Clean Air

- In 2009, we avoided over 312,000 metric tons of CO₂e (carbon dioxide equivalent).
- Air pollution leads to ozone problems and affects asthma and allergy sufferers.
- Air pollution benefits:
 - 50,000 pounds of NO_x
 - 12,400 pounds of carbon monoxide
 - 2,600 pounds of VOCs



BE A LEADER & EXPECT IT FROM GOV'T & BUSINESSES

From 2005 to 2009, GHG emissions dropped by 4%, or 2,154 metric tons.

The GHG Emissions reductions are equivalent to:

- Annual GHG emissions from 374 passenger vehicles; or

- GHG emissions avoided by recycling 658 tons of material (equal to the weight of 4,544 gorillas).



2010 Cool Steps – ARRA Funding

Purchased Big Belly Solar compactors for Oak Street Plaza.

Installed a 5 kWh system at 215 N Mason and will be installing a 21 kWh system on Aztlan

Improving bike lanes.



Recycling and Re Use

- The Forestry Division chips large diameter wood into mulch that is available throughout the year, for free at Rivendell and Garden at Spring Creek.
- By using larger recycling bins and green cones, methane gases are reduced.



Connect with Other Partners, Countries, and Cultures

Be Local: dedicated to a locally-sustainable and globally-fair trade economy. (\$68 v \$43)

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Green Realtors:

Lara@greenTeamRE.com

realestategreenius@gmail.com

National Craftsmanship Co:

www.nccraftsmanship

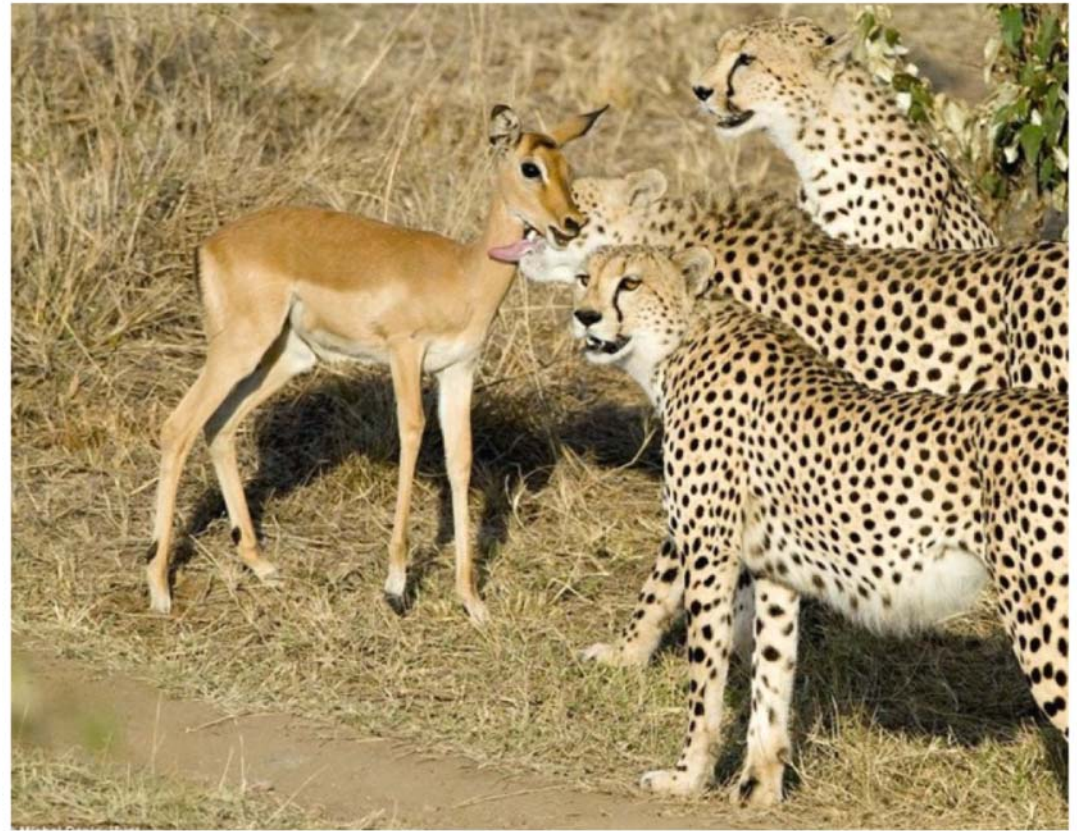
Home Grown Foods: seed swaps, set up no-dig gardens

laurena@nocogardenscapes.com



RETHINK CHOICES AND CONNECTIONS

Our community can help to reduce air pollution by upgrading to cleaner energy use and alternative transport systems; creating educational resources such as Northern Colorado Green Menu; and, working with other communities like San Cristobal.



“We do not inherit the earth
from
our ancestors, we borrow it from our
children.”

Native American Proverb



Thanksfcgov.com\green