

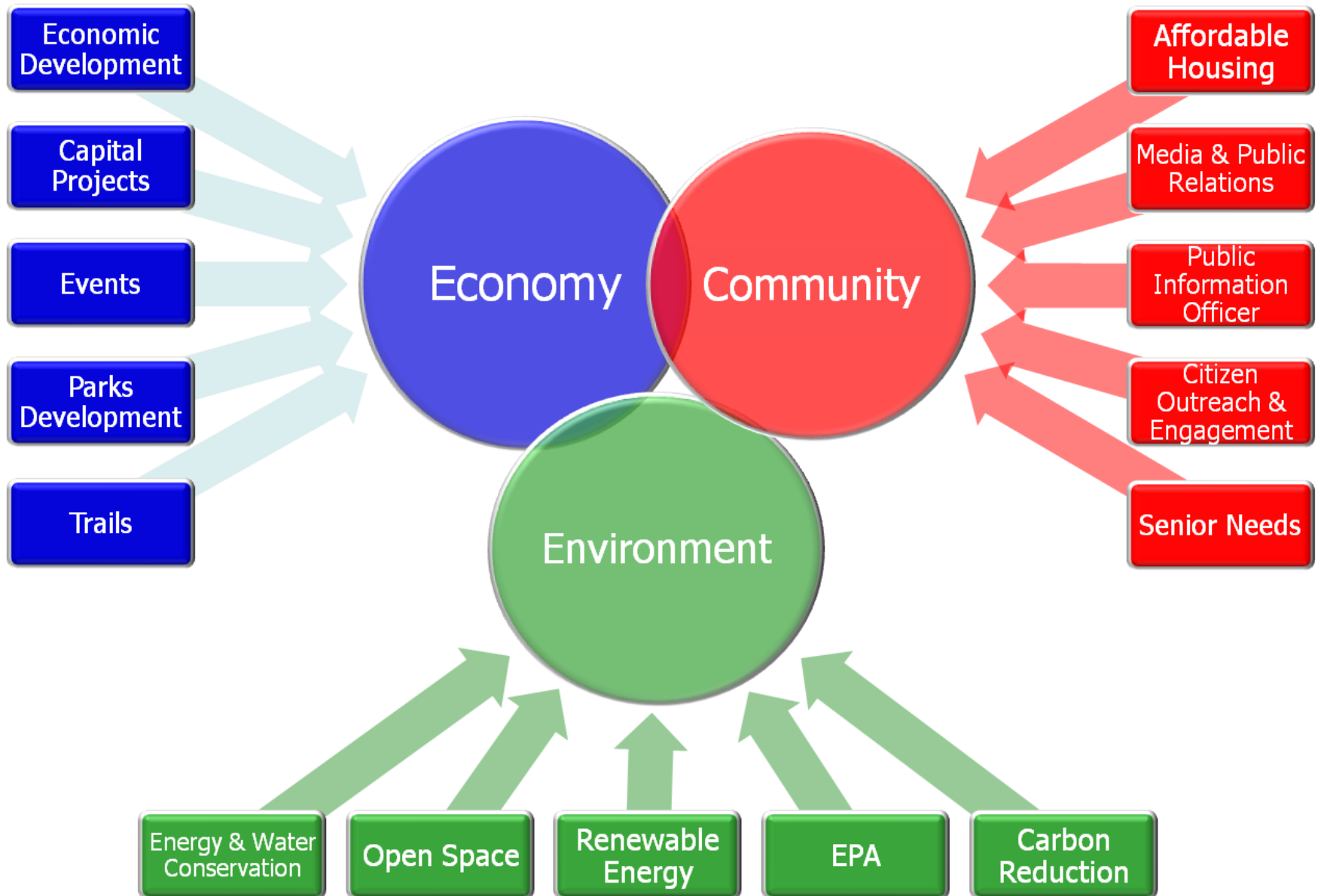


Park City's Sustainability Success Case Studies & Green Agenda

October 2011



Sustainability Team



```
graph BT; A[Energy /Water Conservation & Renewables] --> E((Environment)); B[Open Space] --> E; C[Carbon Reduction] --> E; D[EPA/ Regulatory] --> E; F[Climate Adaptation] --> E;
```

Environment

Energy /Water
Conservation &
Renewables

Open Space

Carbon
Reduction

EPA/ Regulatory

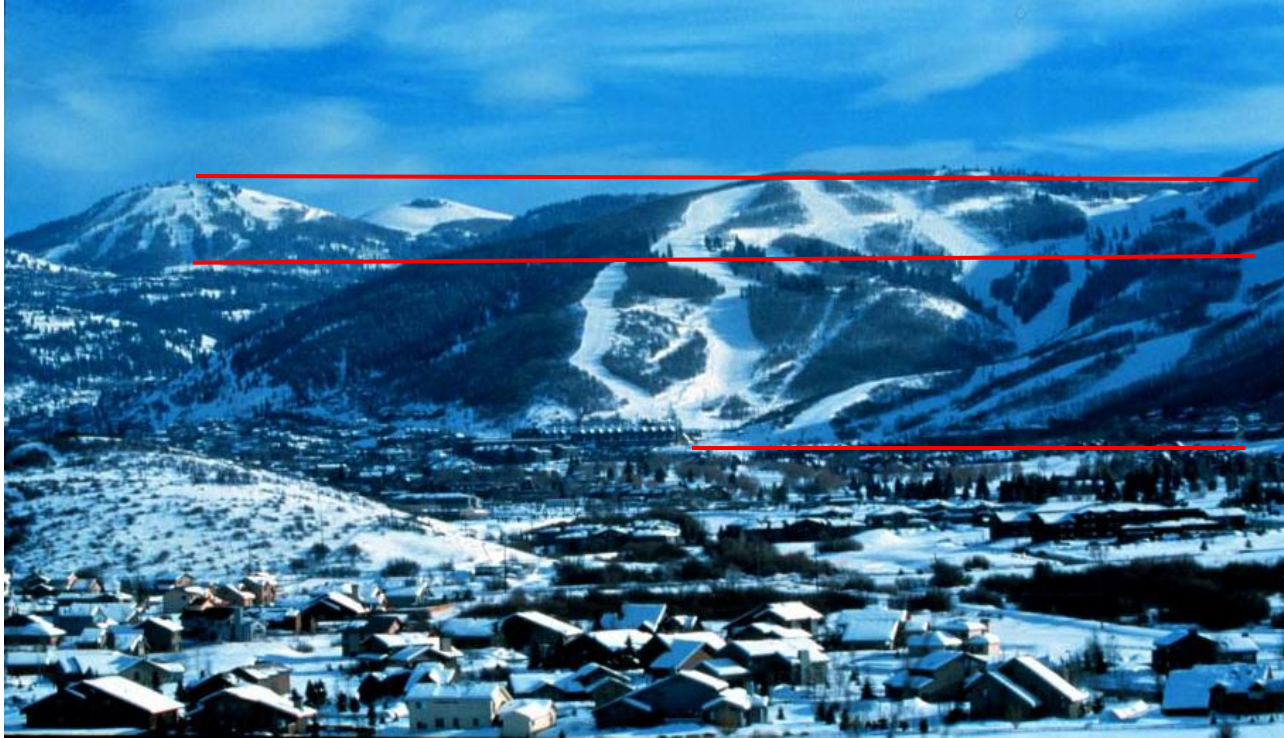
Climate
Adaptation



PARK CITY
MOUNTAIN RESORT



Park City's economy is based on snow.



Summit:
10,000 feet

**2100: Only snow
at upper 25% of
mountain**

**2075: No snow at
base elevation of
6,890 feet**

Snow Forecast & Economic Report

➤ 2030

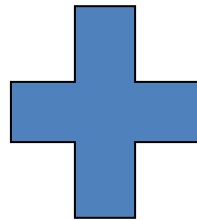
- \$120 million lost output
- 1,137 lost jobs



➤ 2050

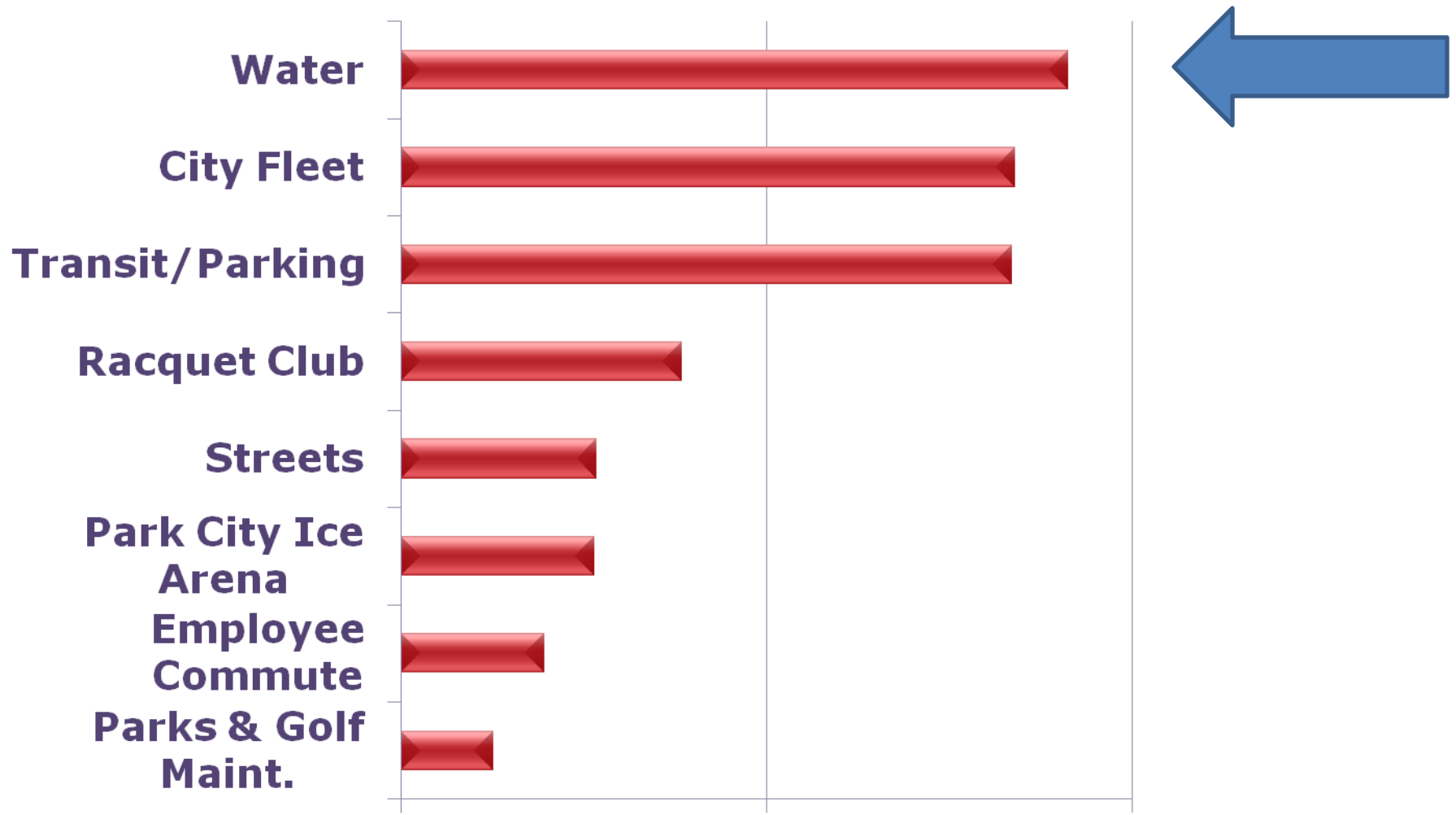
- \$160 to \$392 million lost output
- 1,520 to 3,717 lost jobs

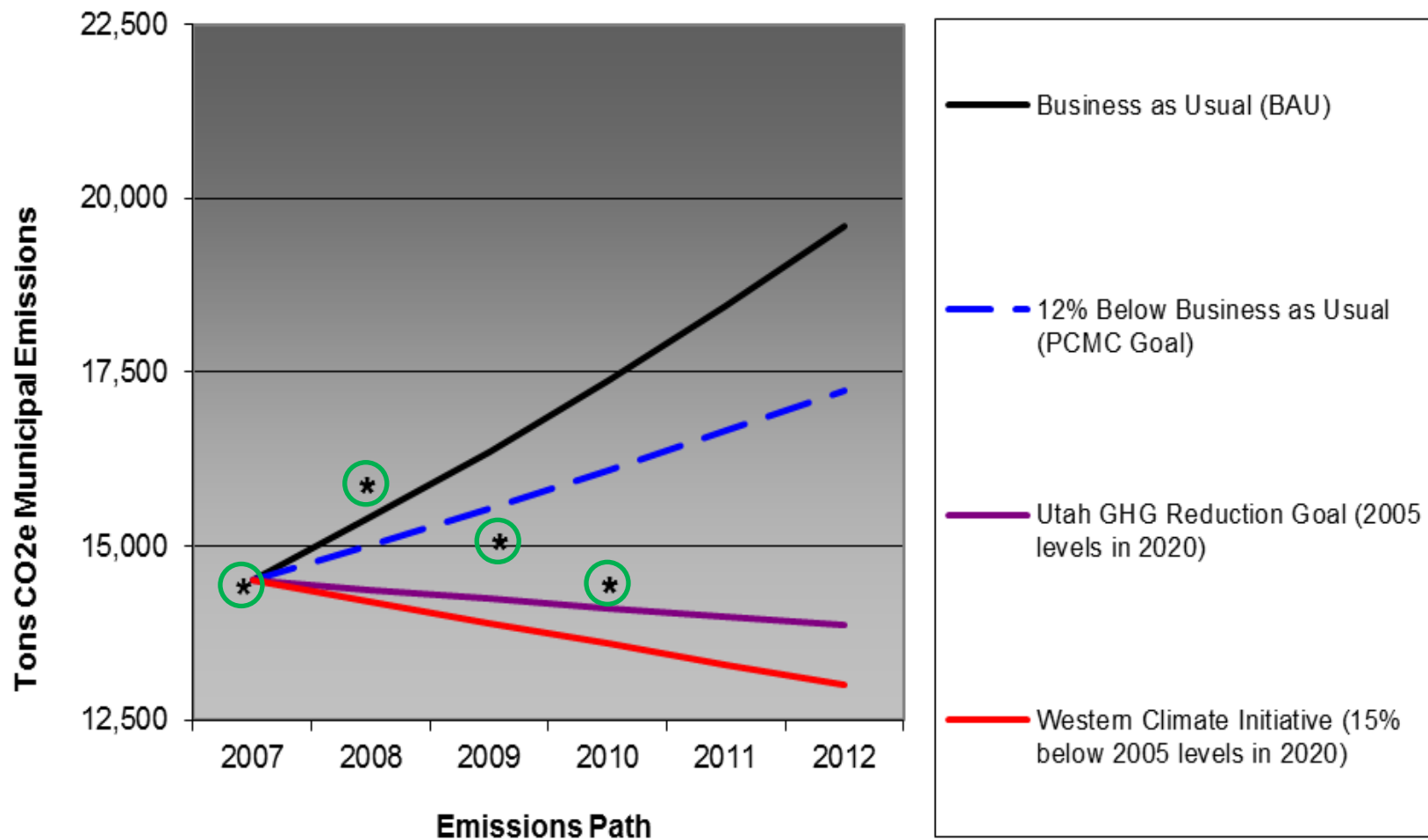




Municipal Carbon Inventory

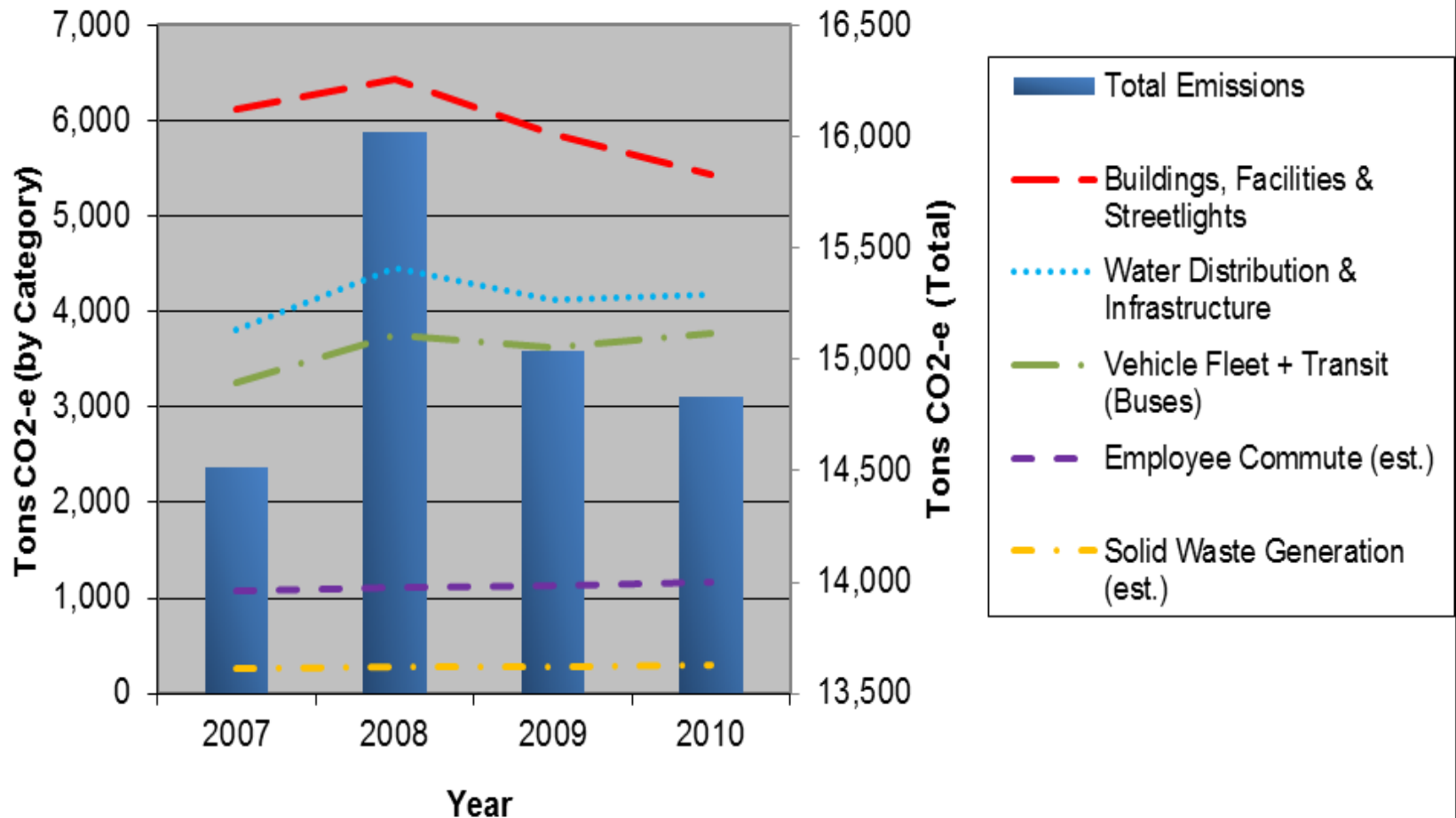
Top 8 Departments: Represent 90% of total





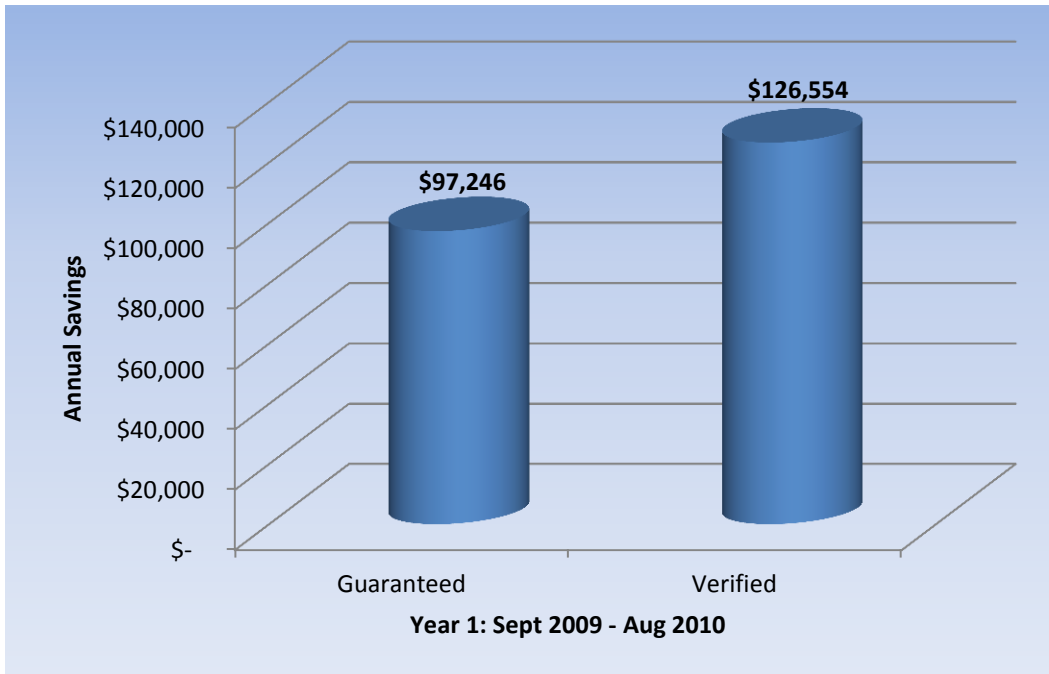
* Asterisks indicate actual emissions for 2008, 2009 and 2010.

Municipal CO₂ Emissions - Park City



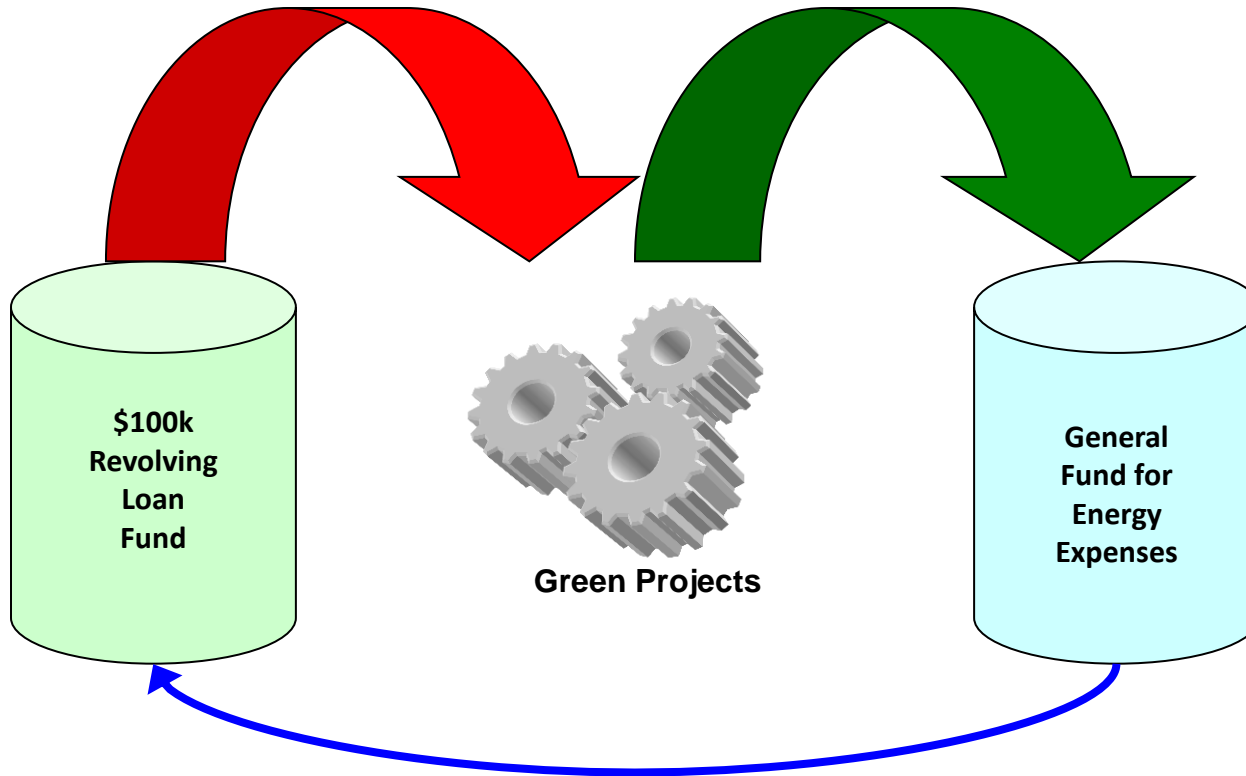


2008/2009 Municipal Energy Efficiency Project

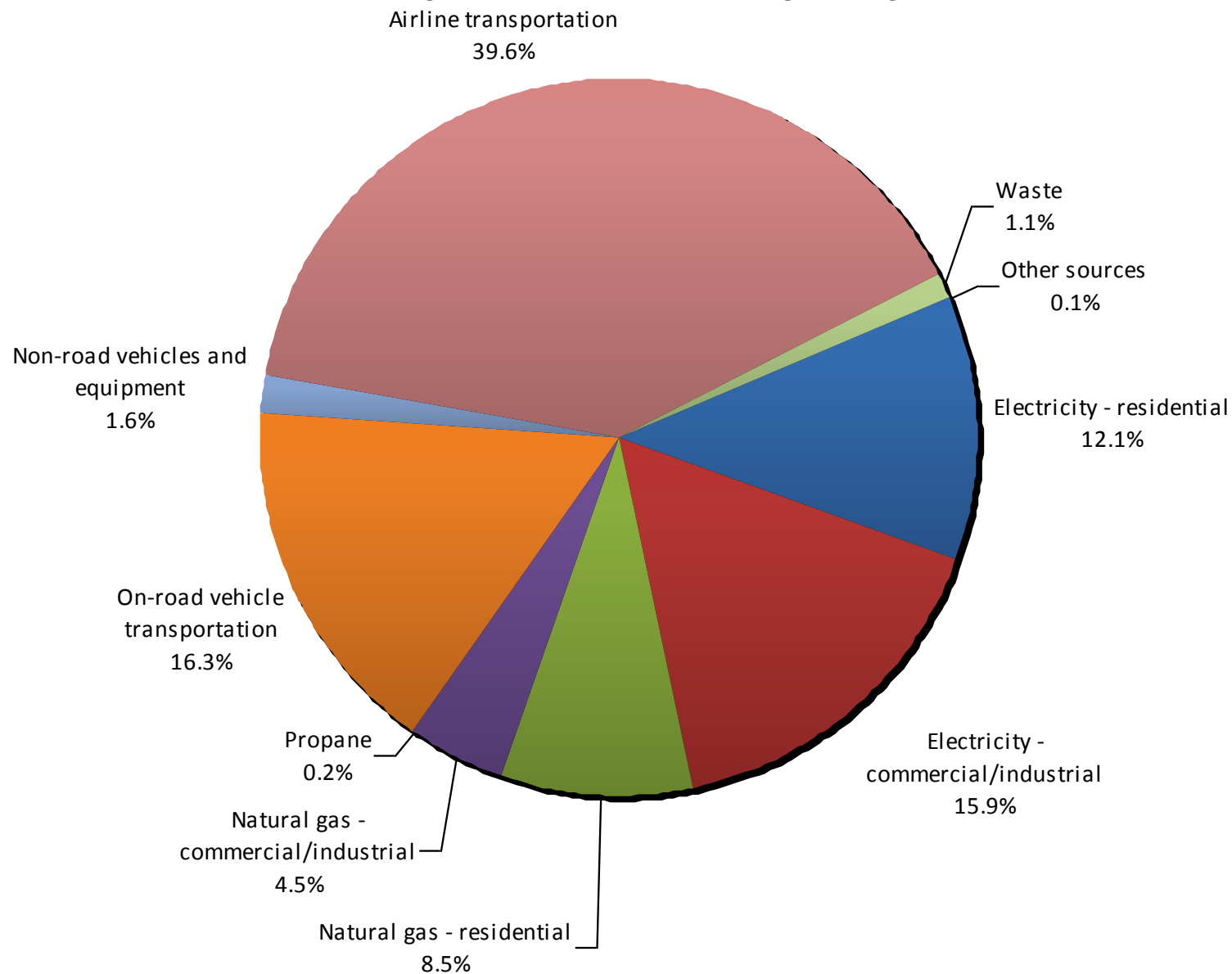


Project Benefits	Guaranteed vs. Verified Annual Cost Savings				
	Electricity	Natural Gas	Water	Operational & Maintenance	Total
Guaranteed	\$ 34,255	\$ 41,213	\$ 5,350	\$ 16,428	\$ 97,246
Verified	\$ 38,743	\$ 64,853	\$ 6,530	\$ 16,428	\$ 126,554

Municipal Revolving Loan Fund for Internal Carbon Reductions



Community Inventory by Source





GHG Inventory

**Carbon Action
Plan**

**Outreach
Programs**

**Economic
Study**

Website

Awards

Events

SOS Task Force:

Community Carbon Reduction & Water Conservation





350

REDUCE YOUR HEAT SAVE OURS NOW



SAVE OUR SNOW

(NSEE / ParkCityGreen.org / Green Month Calendar / Building Green Expo / Recycle Utah / Silverstar EcoCenter)



Presented by the Park City Foundation

September 2009

Save Our Snow II

September 2009



Park City Green Month!

- ✓ 30+ events
- ✓ 15+ different organizers and locations



[Calculators](#)

[Ways to Save](#)

[Community](#)

[Kids Zone](#)

[About](#)



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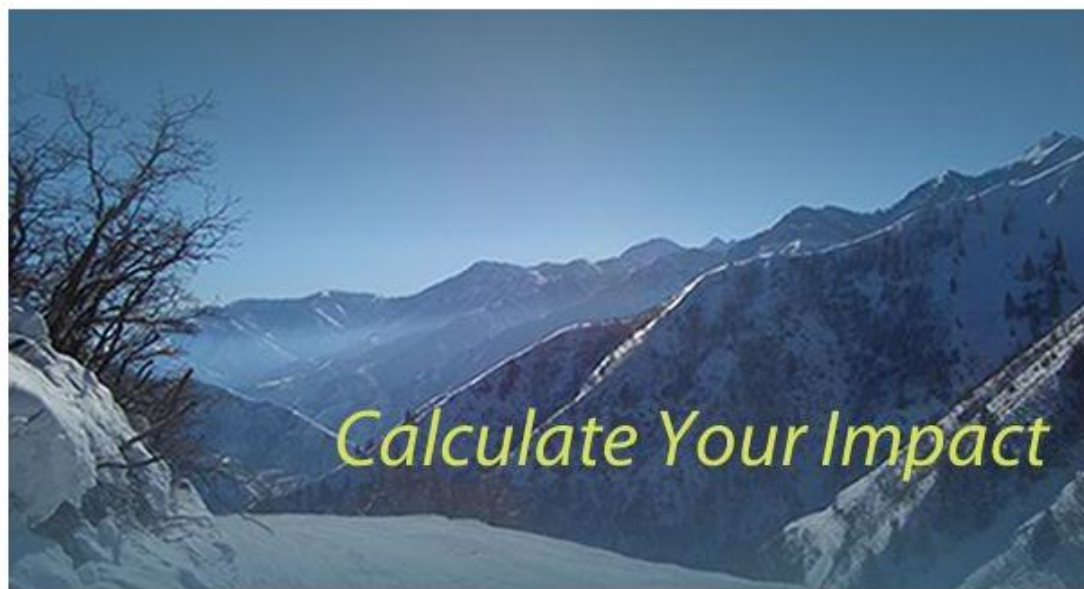
Calculators

Ways to Save

Community

Kids Zone

About



Green Tech News courtesy of scientificamerican.com

- [Making a Market for Pollution](#) - Tue, 07 Sep 2010 15:01:00 EST
- [Carbon Dioxide from Cars, Part 2](#) - Sun, 05 Sep 2010 13:00:08 EST
- [Wind Turbine or Airplane? New Radar](#)

My Sustainable Year



My Sustainable Year is your chance to try out 52 green ideas, one week at a time. Check out this week's goal by clicking here -- or, listen to KPCW 91.1FM every Monday,

Park City "Blue Sky Week"!



City Council in Park City has declared September 6th through 10th as "Blue Sky Week". Click here for details on how to support renewable energy and help our community meet its

Park City Individual Carbon Calculator

Select an Activity



Building



Car



Flight



Water



Waste

Basic

Detailed



Apartment
(1,000 square feet)



Small House
(1,500 square feet)



House
(2,000 square feet)



Large House
(3,500 square feet or greater)

Please select the approximate size of your building or enter the exact square footage in the box below and then click Add to My Footprint.



Add to My Footprint



Calculators

Ways to Save

Community

Kids Zone

About

Ways to Save :: Home



[10 Things To Do](#)



[Buy Green Power](#)



[Appliances](#)



[Cleaning Supplies](#)



[Dry Cleaning](#)



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[Hot Water Heaters](#)



[Indoor Air Quality](#)



[Insulation](#)



[Laundry](#)



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[Lawn](#)



[Phantom Loads](#)



[Programmable Thermostat](#)



[Solar Electric](#)

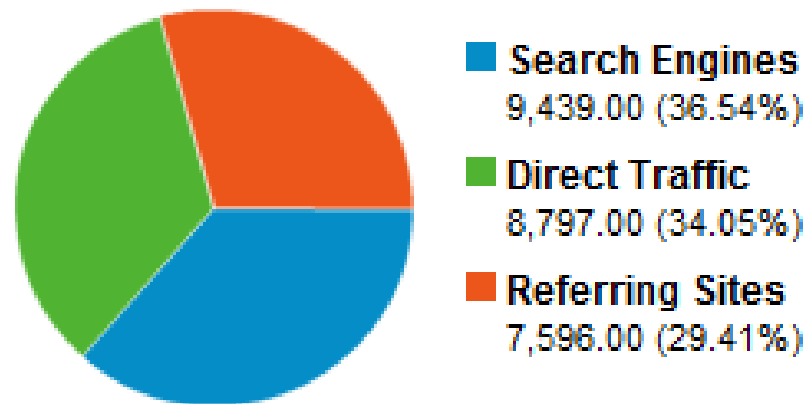


[Solar Hot Water](#)

How's it working?

- Site has been up for a little more than 2 years
- City population of 7,400
- 12,113 visitors
- 25,832 visits

Google Analytics



3,318 Facebook Fans

facebook

Email Password

☐ Keep me logged in

[Sign Up](#) **Save Our Snow is on Facebook**
Sign up for Facebook to connect with Save Our Snow.



parkcitygreen.org
SAVE OUR SNOW

Save Our Snow

[Wall](#) [Info](#) [Photos](#) [Discussions](#) [Events](#) [Filters](#)



Save Our Snow Don't fall for the urban myth that turning your thermostat way down causes your heater to "work harder" later and ultimately use more energy. The lower you turn down your thermostat during unoccupied times, the more you'll save! Check out this DOE link for more details...



Energy Savers: Thermostats and Control Systems
www.energysavers.gov
You can save around 10% a year on your heating and cooling bills by simply turning your thermostat back 10°–15° for eight hours. You can do this automatically without sacrificing comfort by installing an automatic setback or programmable thermostat.

· [Like](#) · [Comment](#)

parkcitygreen.org and Save Our Snow are dedicated to combatting global climate change through empowered action. Visit www.parkcitygreen.org today to learn how you can conserve energy.



Park City, Utah

SAVE OUR SNOW ACTION PLAN



Park City, Utah

SAVE OUR SNOW ACTION PLAN



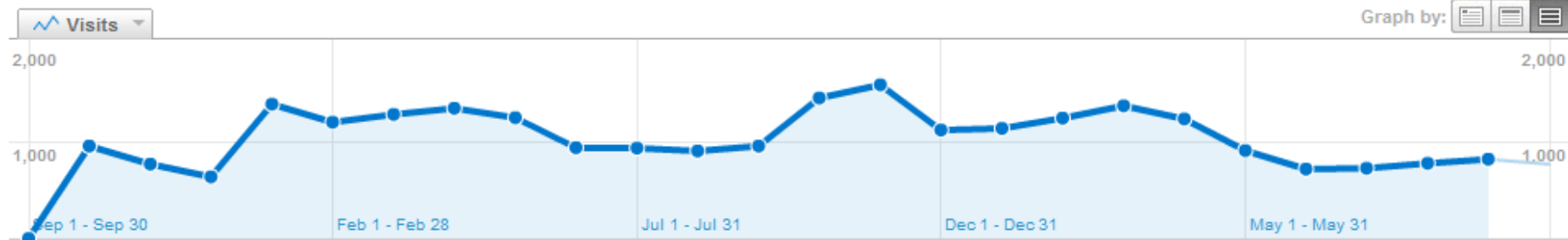
My Sustainable Year 2010

***Your chance to try out 52 green ideas,
one week at a time. ParkCityGreen.org***

- January 3:** Audit your trash & recycling
- January 10:** Bus Adventure Week
- January 17:** Try eating vegan or vegetarian
- January 24:** Live on 20 gallons of water a day
- January 31:** Freecycle Week

Dashboard

Sep 1, 2009 - Oct 26, 2011 ▼





SUMMIT COUNTY BEEF

"Local Summit County Beef for local Summit County markets"

Brought to you by the Summit County Food Coalition

www.summitcountybeef.org

Park City's Low Carbon Plan



Low Carbon Diet Workbooks



ParkCityGreen.org Web Content



Local Events & Trainings



Low Carbon Leaders!

....And ***Much*** More

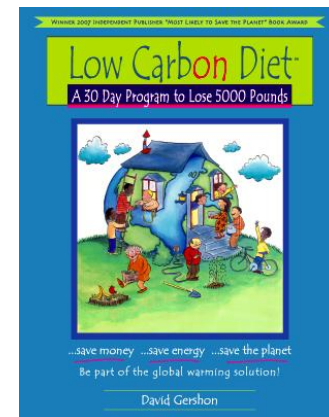
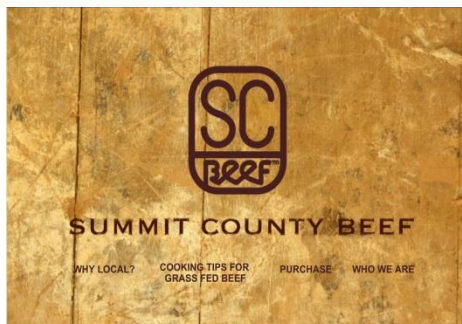
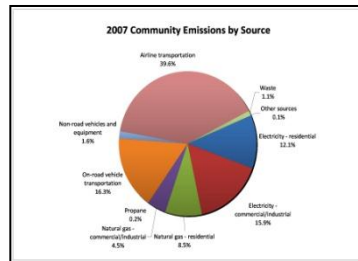
Addressing the Carbon Footprint Challenge



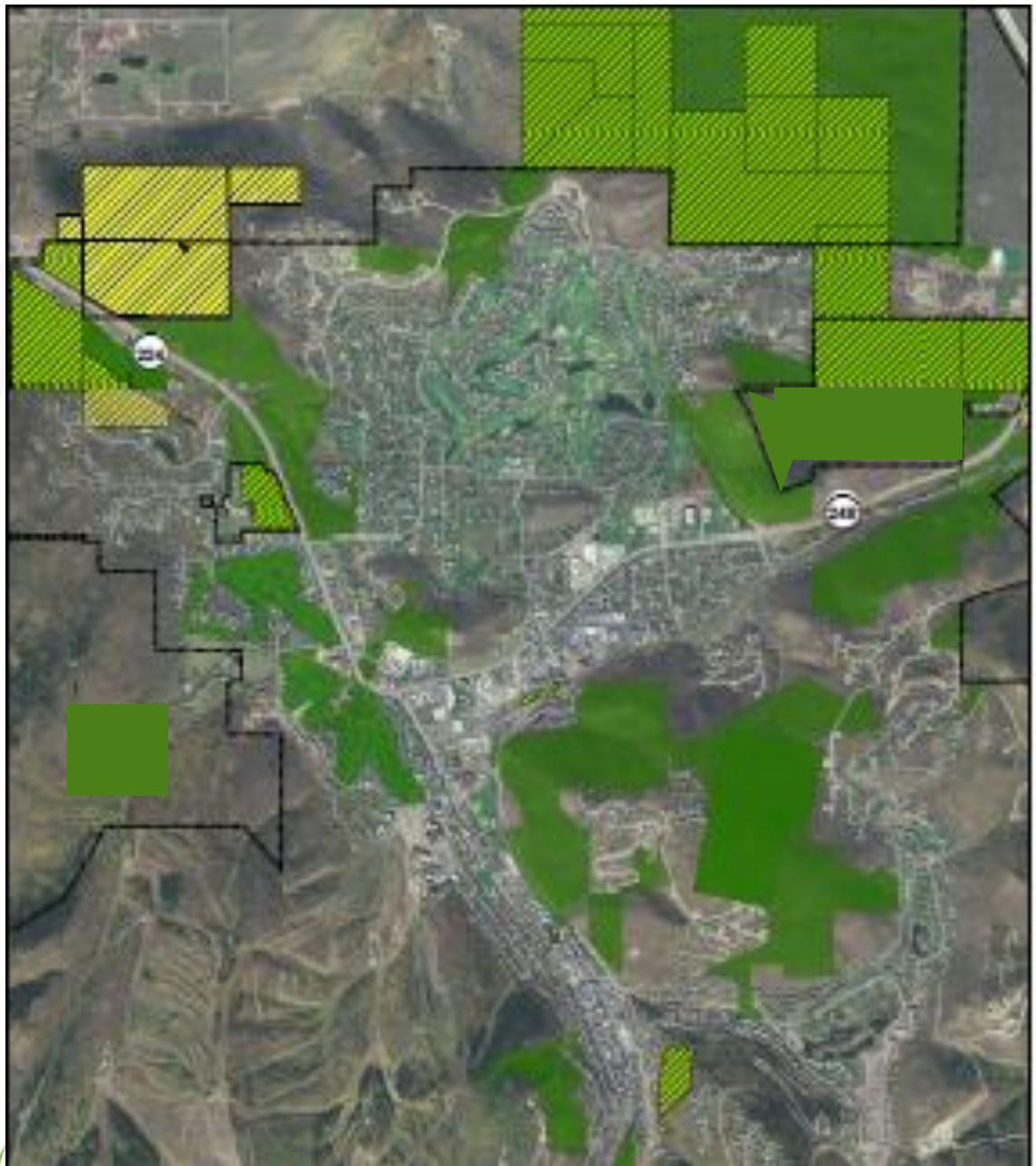
My Sustainable Year



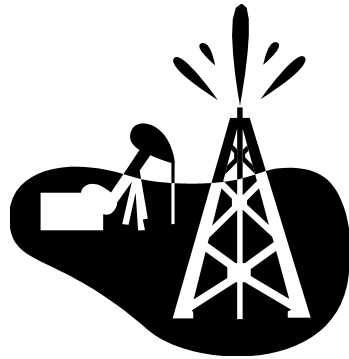
**Climate Change in Park City:
An Assessment of Climate,
Snowpack, and Economic Impacts**



Over 7,000
acres of
open space

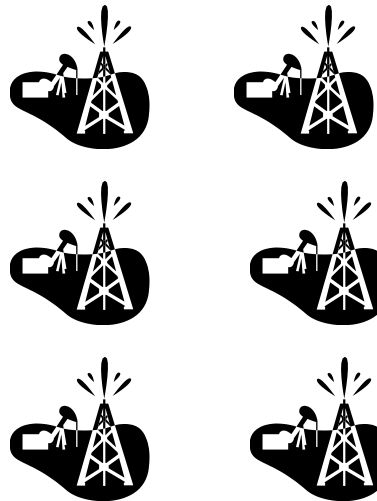


Idling: The Ultimate “Oil Spill”



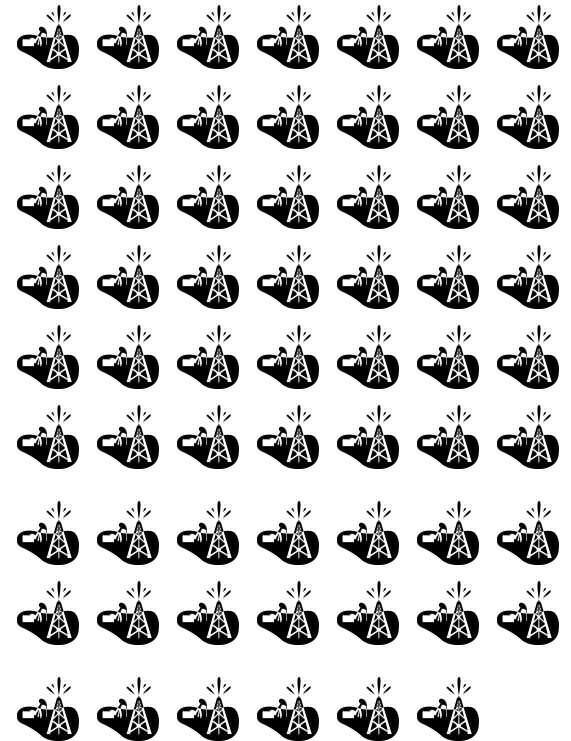
< 32 Million Gallons

**Exxon Valdez,
Alaska**



207 Million Gallons

**Deepwater Horizon,
Gulf of Mexico**



2 Billion Gallons

**Unnecessary
Idling in the U.S.
Each Year**

Sources: U.S. Government; Flow Rate Technical Group; U.S. Department of Energy

Idle-Free City



**Turn Off Engine
When Parked**



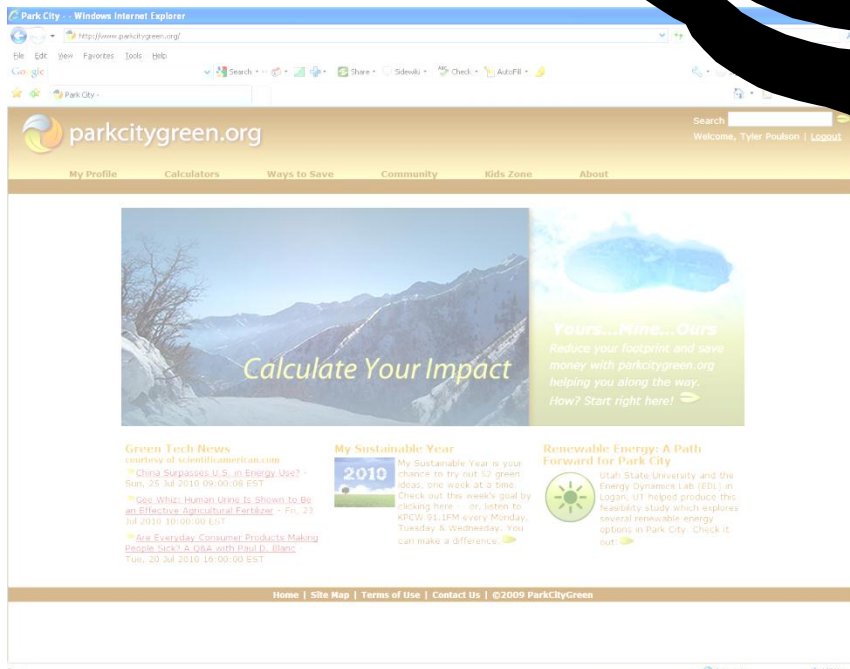
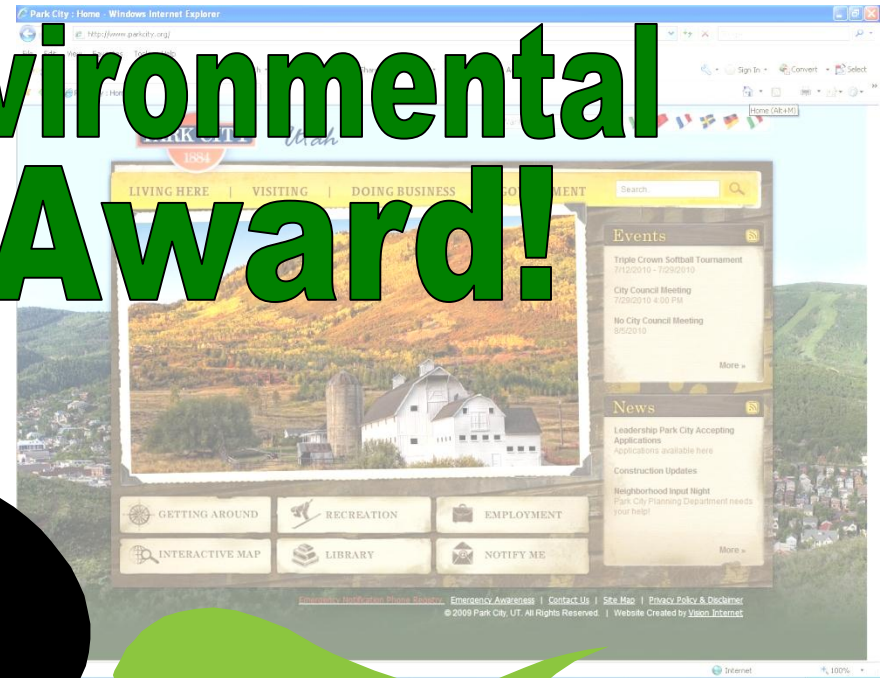
19kw PC System on City Hall

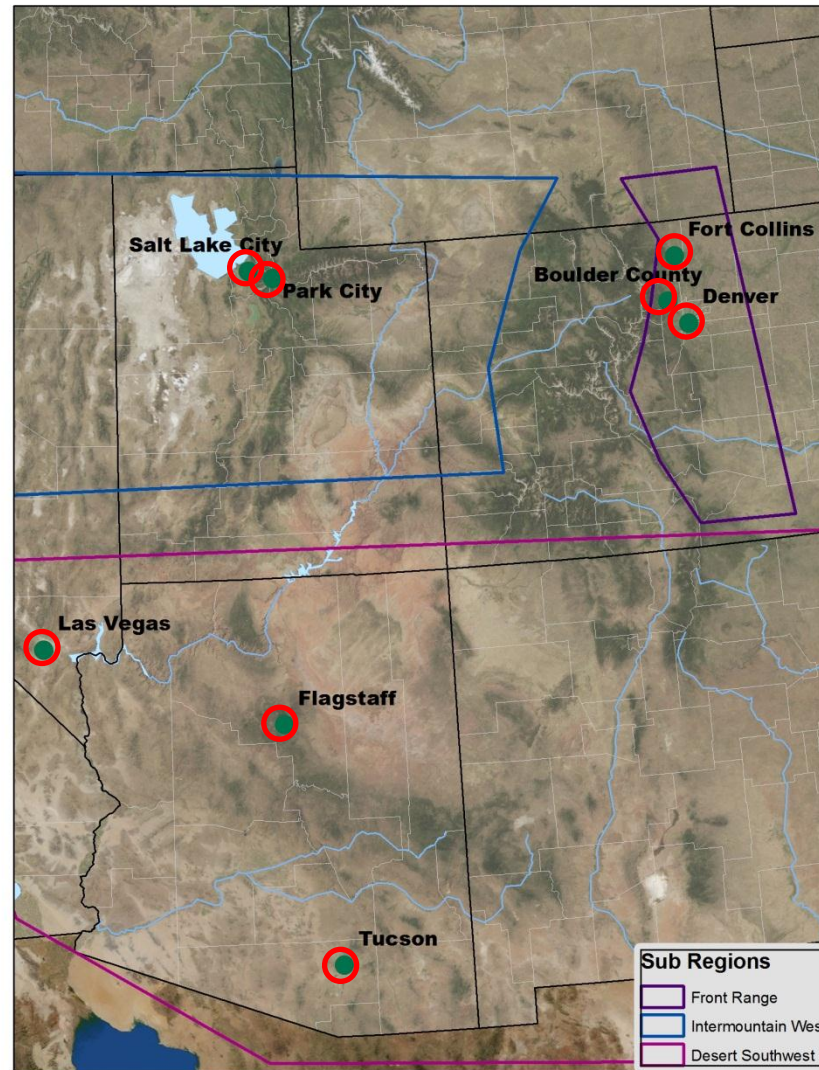


Snowcreek Cottages



Park City Environmental Heroes Award!

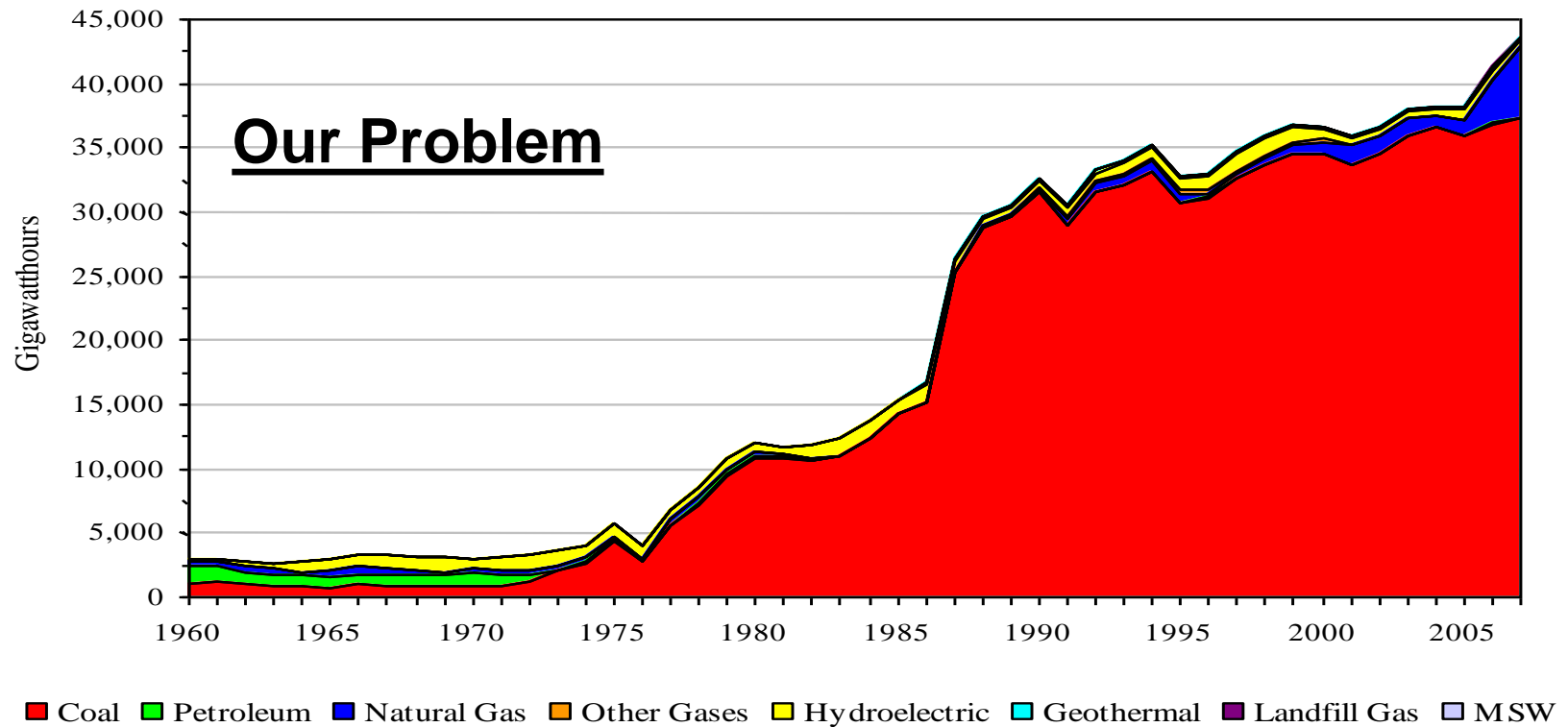




Climate Adaptation

Intermountain West

Utah's Growth in Electricity Use



Solar Feasibility Study

Conclusions

➡ 34 Total Sites Evaluated

➡ 13 Suitable Sites for Solar PV Panels

➡ 184 kilowatt (kW) total rooftop capacity

➡ 294,000 kWh annual generation capacity

➡ 3.3% of total annual municipal
consumption (Buildings + Water Operations)

Looking Ahead

- Large scale renewable energy project
- Low Carbon Diet
- Climate Adaptation Planning
- Electric vehicle charging/IPTT
- Green Business Program



What questions do
you have?

