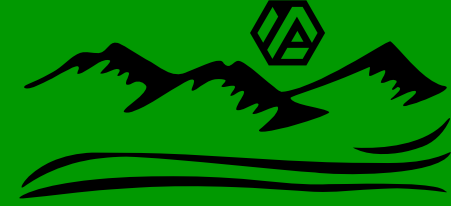


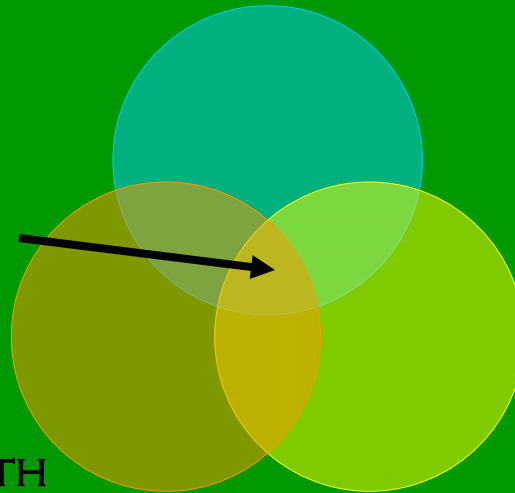


[www.arvada.org/sustainability](http://www.arvada.org/sustainability)



ENVIRONMENT

SUSTAINABILITY



SOCIAL/HEALTH

ECONOMIC

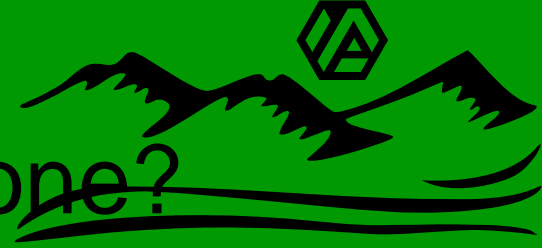
**Being sustainable means considering the short and long-term impacts of all of our decisions on the environmental, economic, and social well-being of the community.**

# What's Already Been Done?



- In 2008 650 kW of ground mounted photovoltaic cells installed at the Ralston Water Treatment Plant at W. 64th Avenue and Highway 93.

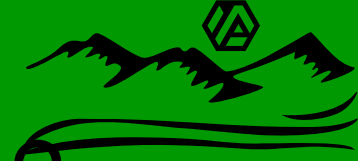
# What's Already Been Done?



Solar LED Lighting



LED Traffic Lights



# What's Already Been Done?

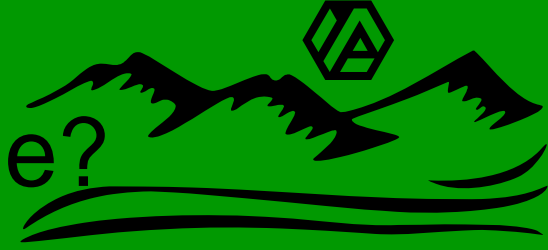


Xeriscape water conserving plants

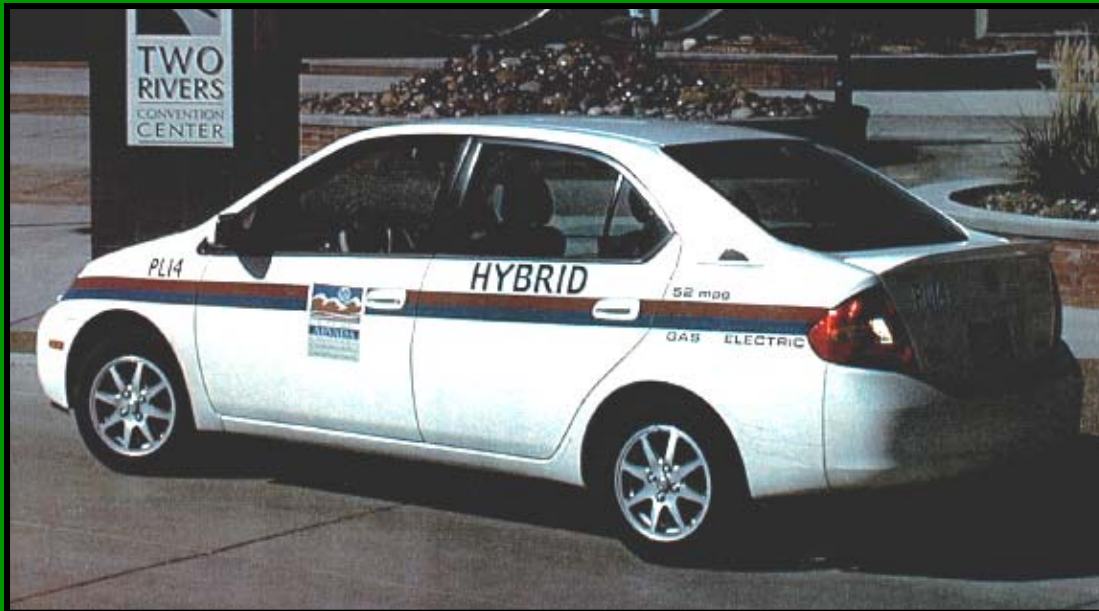


Computerized irrigation

# What's Already Been Done?



40% of City Fleet runs on  
alternative fuel



# So What About the Community?



## Sustainable Energy Inventory and Action Matrix

for the City of Arvada, Colorado

Prepared and finalized by:  
Justin Christenson, IGERT intern

### Primary Investigators:

Dr. Anu Ramaswami, Professor of Civil Engineering  
Dr. Debbi Main, Professor of Health and Behavioral Sciences

Report Compiled By: Laurie Bottensek, Steve Fisher, Matthew  
Gibbs, Nicole Michelle Herman, Enessa Janes, Greg Majersky, Laurie  
Manderino, Daidipiya Patwa, Karen Roof, and Saba Siddiki

**FY2006**

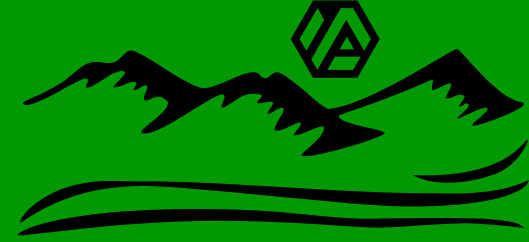


University of Colorado Denver

&



## Greenhouse Gas Inventory

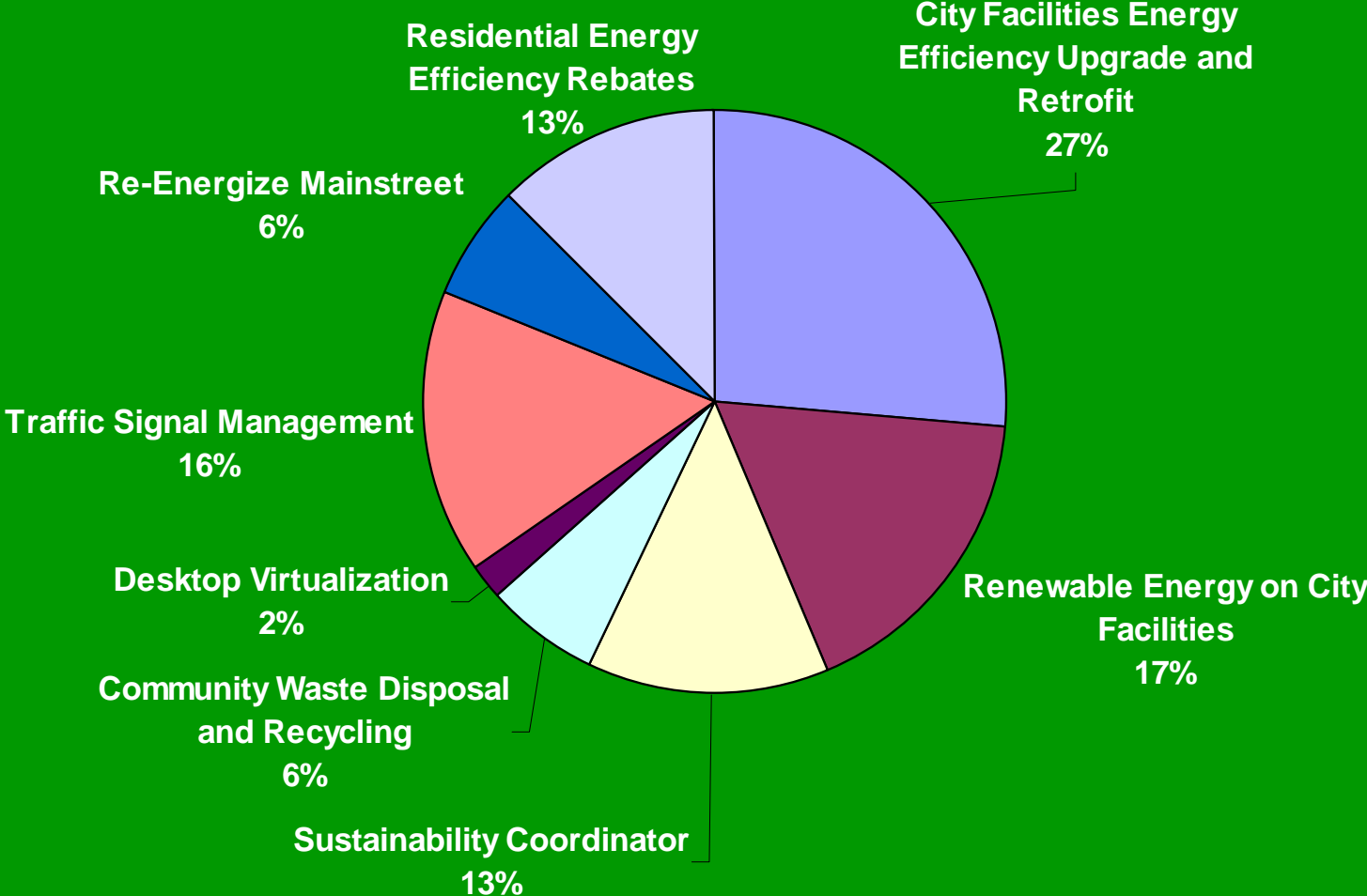


# What Happened in 2010?

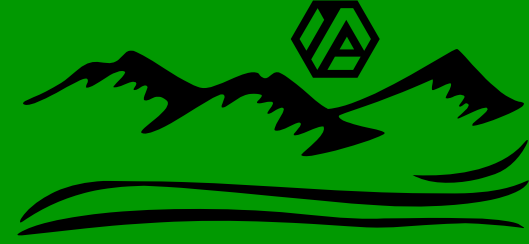


- Million dollar grant from the Department of Energy, Energy Efficiency Conservation Block Grant
- 8 projects
- 2 years to spend money (As of the end of the first quarter of 2011 85% has been spent)

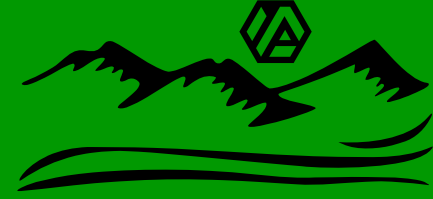
# EECBG Funds Distribution Total \$951,900



# City Facilities Upgrade and Retrofit \$250,000



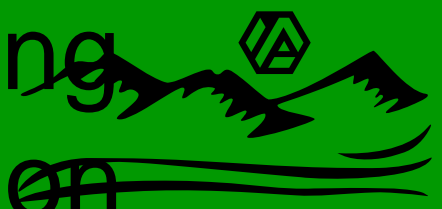
# Renewable Energy on City Facilities \$164,000



- 56 kW system on City Hall
- 9.9 kW system on City Hall Annex
- 7.6 kW at Nature Center



# Community Waste Hauling Study and Implementation



## \$60,000

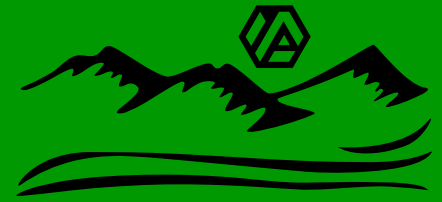


- Increase recycling
- Make recycling available to all homes and businesses



# Traffic Signal Management

## \$150,000

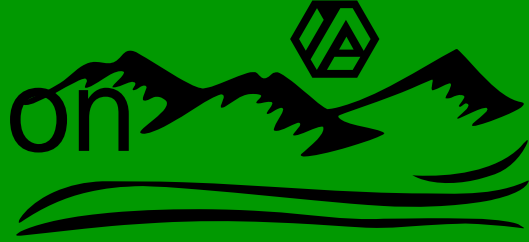


- Reduce Idling
- Move traffic through intersections more efficiently



# Desktop Virtualization

## \$20,000




- Replacement of hard drives (150 watts) with Thin Client (7 watts)
- Allows for telecommuting

# Small Business Efficiency

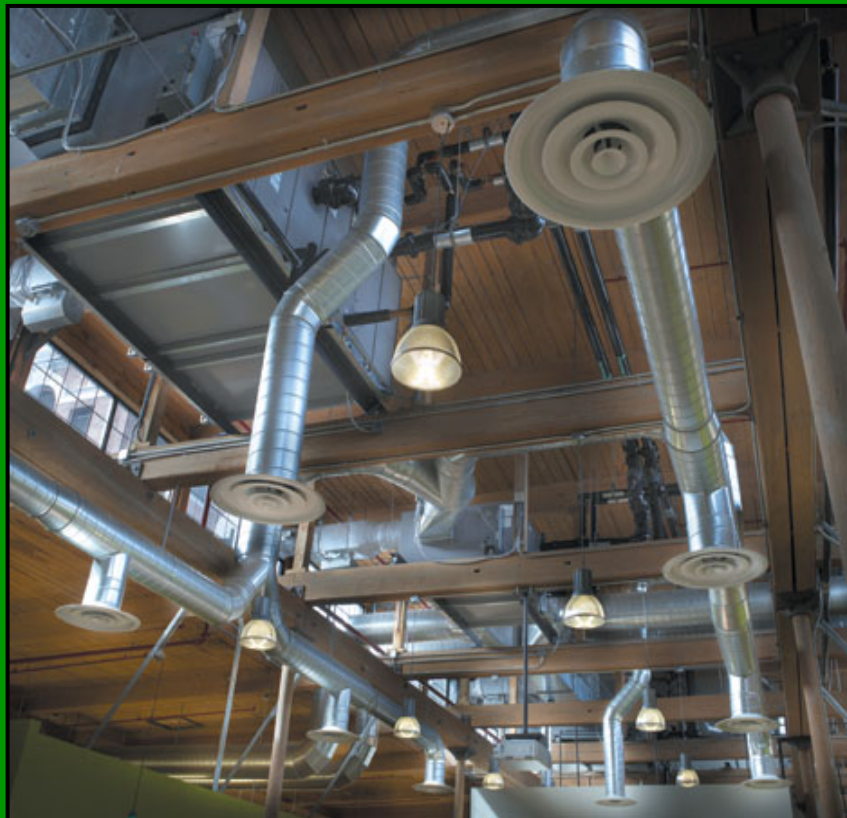
Program \$60,000

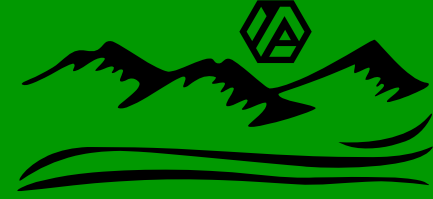


 RECHARGE  
COLORADO

**Save Energy  
Save Money**

*Main Street Efficiency Initiative*  
[www.rechargecolorado.com](http://www.rechargecolorado.com)

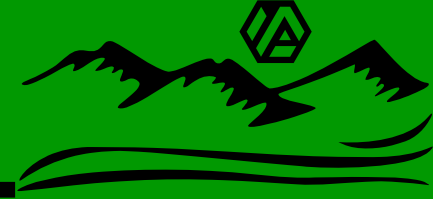




# Residential Energy Efficiency Rebates \$120,000

Appliance Rebates & Energy Efficiency Tax Credits Available





# Rebates Available for:

Appliances

Insulation

Furnaces

Duct Sealing

Energy Monitors

Renewable Energy



Visit [www.rechargecolorado.com](http://www.rechargecolorado.com)

or call 1-800-462-0184



EveryTripCounts.org  
CITY OF ARVADA

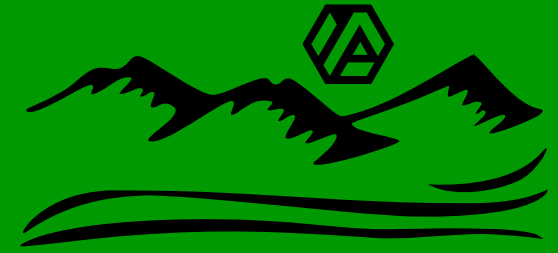
# Join the Every Trip Counts Program!

- ✓ Pledge to reduce 2 car-trips per week
- ✓ Make smart transportation choices
- ✓ **Get rewarded for doing so!**



Register online @

[www.EveryTripCounts.org](http://www.EveryTripCounts.org)



- [www.arvada.org/sustainability](http://www.arvada.org/sustainability)