

Pittsburg's



Climate Action Plan

Projects already underway

*Posters presented at
Community Advisory Commission
workshop on October 6, 2010 and
displayed in City Hall for two weeks thereafter.*

CA Youth Energy Services

Summer 2009 - ongoing

Pittsburg Power Company began a partnership with Rising Sun Energy Center in 2009 to offer the California Youth Energy Services to Pittsburg youth and residents. For seven weeks each summer, Rising Sun hires youth age 15 to 22, and trains them to serve the community with free 'green house calls'.



At each green house call they check the home for efficiency, install free energy and water-saving equipment, and provide personalized recommendations for further savings. In 2009, the program reach 260 homes. In 2010, with Federal grant support, the program reached 350 homes.



Emissions Category	Greenhouse Gas	Cost Savings
	<p>110 tons annually</p>	<p>\$39,000 annually</p>
<p>Co-Benefits</p>		
<p>Youth training and community building</p>		

Single-Stream Recycling

Summer 2009 - ongoing

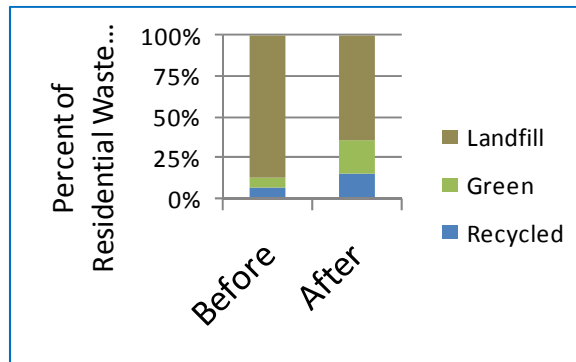
In April 2009, Pittsburg residents received a new and expanded recycling program. Now many more types of recyclable materials can be collected together in

convenient totes and green waste is collected weekly instead of bi-weekly.

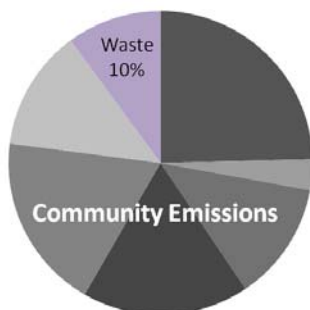
By participating in the improved recycling program, Pittsburg residents have increased their recycling and green waste diversion rate from 12% to 36%.

Now Recyclable in Blue Toter

- 5-Gallon Buckets
- Aluminum Cans
- Aluminum Foil (clean)
- Aluminum Pie Plates
- Books (softcover)
- Boxes, Packages
- Carbonless Paper
- Cardboard
- Catalogs
- Chipboard (cereal boxes, shoeboxes)
- Colored Plastics-HDPE #2 (empty and clean, all caps and lids removed)
- Construction Paper
- Copy Paper
- Coupons
- Detergent Bottles
- Egg Cartons (non-Styrofoam™)
- Envelopes with metal clasps
- Envelopes with plastic windows
- Food Cans (clean)
- Glass Bottles
- Glass Jars
- Junk Mail
- Laundry Baskets
- Magazines
- Manila Folders
- Milk Jugs
- Milk/Juice Cartons
- Newspaper (loose)
- Newspaper Inserts
- Paper (colored)
- Paper (office)
- Paper (white)
- Paper, Shredded (in a plastic bag)
- Paper Bags
- Paper Packaging (with remnant tape)
- Pet Food Cans
- Pizza Boxes (clean)
- Plastics #1-#7 (California redemption)
- Plastics #1-#7, (non-California redemption)
- Plastic Bags
- Plastic Bottles #1 and #2, (narrow neck)
- Plastic Food Containers (clean)
- Plastic Milk/Water Jugs-HDPE #2 (containers only; empty; rinsed)
- Plastic Plant Pots
- Salad Dressing Bottles (rinsed)
- Shampoo and Bleach Bottles
- Soft Drink Bottles-PET #1
- Steel Cans
- Telephone Books
- Tin Cans
- Tubs and Containers (yogurt, margarine)
- Water Jugs



Emissions Category



Greenhouse Gas

1,500 tons
annually

Waste Reduced

5,000 tons
annually

Co-Benefits

Resource conservation

Smart Lights

March 2010 - ongoing

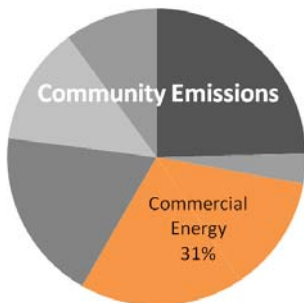
Smart Lights is a program for small businesses. They help businesses become more energy-efficient by offering free start-to-finish technical assistance and instant rebates to help with the cost of upgrading and repairing existing equipment. Smart Lights can help with lighting, refrigeration, domestic hot water heaters, and referrals to appropriate HVAC programs.



SmartLights
Brighten Your Bottom Line

In 2010, the program has reached out to a hundred Pittsburg businesses and resulted in 760 thousand kWh of energy saved annually. With Federal grant funding, the City was able to assist in subsidizing an additional elements of the Smart Lights program.

Emissions Category



Greenhouse Gas

170 tons
annually

Cost Savings

\$90,000
annually

Co-Benefits

Support for local businesses

Solar Schools

2008 and Now



Los Medanos College installed a huge array of solar panels on carports in two of their main parking lots in 2008. This Fall, all of the Pittsburg Unifies School District schools are installing solar panels too.

mega-watt-hours per year. This is equivalent to the electricity that about 500 homes use each year.

It is estimated that together, these installations will have about 2,500 kW of generation capacity, which can generate 3,500



Los Medanos College

Emissions Category	Greenhouse Gas	Cost Savings
	<p>800 tons annually</p>	<p>\$420,000 annually</p>
<p>Co-Benefits</p>		
<p>Energy independence for the schools Vehicle shading and cooling.</p>		

Bike and EV infrastructure

Summer 2010 and Coming Soon!

Through funding provided by 511 Contra Costa, a regional transportation agency, the City installed two “turtle” bike lids and a bike rack at the Pittsburg Community Library.



COMING SOON !

In a few months, the City will also install three electric vehicle charging stations and a electric bicycle locker “eLocker” with Bike Link technology. Two EV stations will be at Civic Center. The third EV station and the eLockers will be at Railroad & 6th St.



These will also be funded by 511 Contra Costa.



Emissions Category	Greenhouse Gas	Cost Savings
<p>Local Transportation 27%</p> <p>Community Emissions</p>	<p>Not calculated; Depends on rate of use</p>	<p>Gas savings Not calculated; Depends on rate of use</p>
<p>Co-Benefits</p> <p>Bicycle safety; Improved infrastructure for the community</p>		

Safe Routes to Schools

Ongoing

The City's traffic engineering department is constantly working on improving pedestrian and bicycling safety.

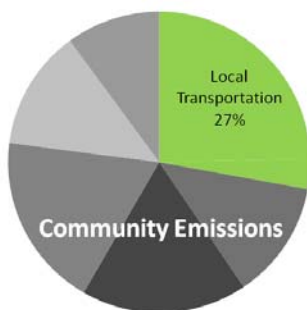


Of particularly high priority are projects that specifically target walking routes to schools. Through the Safe Routes to Schools program, the City secures funding and creates improvements such as sidewalk curb bulb-outs and pedestrian countdown signals.

These improvements make crossing the street safer for students, and encourage them to walk to school, reducing traffic and pollution, and enhancing their health.



Emissions Category



Greenhouse Gas

Not calculated;
Depends on rate of use

Cost Savings

Gas savings
Not calculated;
Depends on rate of use

Co-Benefits

Health and safety of students
Assisting walkable communities

LED Streetlights

August - September, 2010

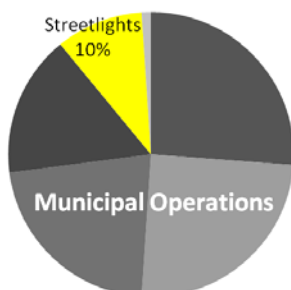
The City upgraded its 1,200 City-owned non-decorative streetlights. The old model was high pressure sodium, and ranged in wattage from 70 to 400 watts. The new streetlights are LED (light emitting diode) technology, and use half as much electricity. LED's also have a white light (instead of the yellowish



orange) which increases night visibility. Many people report feeling safer with them. The project was funded by a Federal grant.



Emissions Category



Greenhouse Gas

116 tons
annually

Cost Savings

\$61,000
annually

Co-Benefits

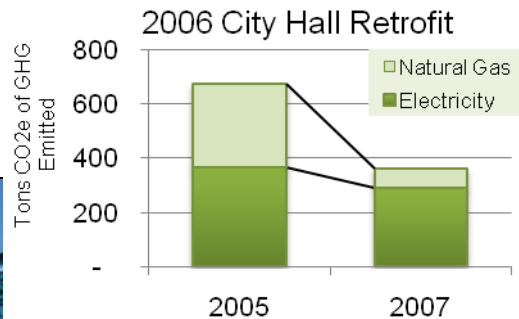
Safety and visibility

City Hall HVAC

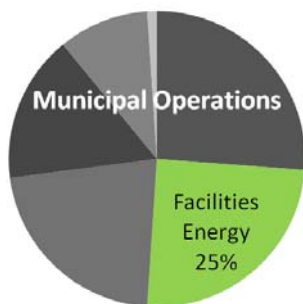
March 2010 - ongoing

In 2006, City Hall underwent an extensive heating, ventilation, and air conditioning (HVAC) system retrofit. The retrofit reduced the building's electricity use by 20% and natural gas use by 77%. The investment was funded through an "energy service company" which provides the retrofit

upfront and is repaid through the resulting energy bill savings. The project paid for itself within a year and continues to save the City money every year.



Emissions Category



Greenhouse Gas

340 tons
annually

Cost Savings

\$85,000
annually

Co-Benefits

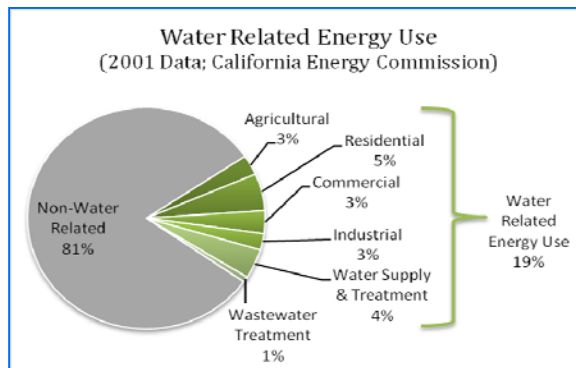
Indoor temperature control

Water Conservation

Summer 2009 - ongoing

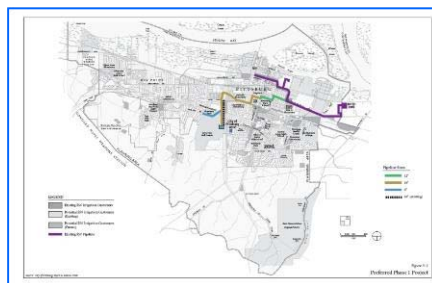
When California experienced a severe drought in 2009, the Pittsburg community did their part by conserving this precious resource. In 2009, Pittsburg saved 670 million gallons, reducing water usage **18%** compared to previous years.

It takes energy to treat and move that water, so these savings also result in energy savings and greenhouse gas savings. State-wide, 19% of energy use is related to water use.



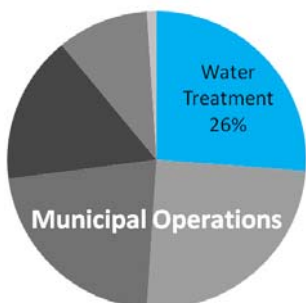
Municipal Operations

Through the use of technology like computerized irrigation systems that



monitor the weather, and reclaiming used water for landscaping, the City has dramatically reduced its use of fresh water.

Emissions Category



Greenhouse Gas

200 tons
annually

Water Savings

670
million gallons

Co-Benefits

Conserving scarce water resources