



2011 ANNUAL SUSTAINABILITY REPORT CARD & BACKGROUND REPORT

The purpose of this report card is to inform the community regarding its progress toward meeting the goals and numeric targets contained in the Claremont Sustainable City Plan. It is meant to be a succinct yet comprehensive measure of how we are progressing toward sustainability as a community – economically, culturally, and environmentally. It can be used to celebrate our successes and identify areas where we must make adjustments in order to achieve goals. Beginning in 2009, this report card will be generated annually by City staff, reviewed by the Claremont Sustainability Committee and then adopted by the City Council. It is hoped that each of the “grades” contained in this Annual Sustainability Report Card will be the subject of enthusiastic attention and discussion among all sectors of the Claremont community.

PERFORMANCE MEASURE SUMMARY TABLE

Performance Key: ▲ Exceeds Goal = Meets Goal ▼ Below/Behind Goals

Goal Area	Target	Measure	Performance City	Performance Community
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Resource Conservation

Energy Use	Reduce 20% by 2015	Total energy used	▼	▼
		% renewable	▲	▲
		KWH saved	=	▼
Water	Reduce 20% by 2012	Gal/person/day	=	▲
	Reduce 40% by 2017	Gal/person/day	=	=
Solid Waste	70% Diversion Rate by 2010	% Diverted	▼	▼
	Increase Composting	Tons Diverted	=	=

Environment & Public Health

Greenhouse Gas Emissions	Reduce 20% by 2020	Tons of carbon equivalent	TBD	TBD
Toxics	Downward trend on toxics used in City operations	TBD	▼	TBD
	Upward trend on participation in HHW Collection Programs	Number of participants	=	=
Local & Organic Food	Upward trend		=	▲

Goal Area	Target	Measure	Performance	
			City	Community

Transportation

Vehicle Miles Traveled	Downward trend	Vehicle Miles Traveled (VMT)	=	=
Cleaner Modes	Increase % of bike & pedestrian trips	# of transit, bicycle, pedestrian trips	▲	▲

Built Environment

Green Buildings	100% of new development built to LEED standards	% of buildings LEED certified	=	=
Green Infrastructure	% of infrastructure that is designed to be sustainable	Cost in CIP as % of expenditures	=	▼

Open Space

Natural Open Space	Maintain total acreage	Total Acreage	=	=
Urban Forest	Increase trees	Number & condition of trees	=	=

Housing & Economic Sustainability

Meet state goals for affordable housing	Percentage of units that are affordable	State affordability standards	=	=
Economic Vitality	Healthy & sustainable local economy	TBD	=	=


Public Outreach

Education Effort	Meet outreach efforts in sustainability plan	Checklist of actions completed or survey of residents	=	▲
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City Government

The following sustainability accomplishments were completed by the City of Claremont in 2011.

- ▶ **Solar Electricity Systems for City Facilities:** The City installed a solar electric energy system on a large metal carport at the City Yard. The 20 kW (AC) system is now producing over 3,500 kWh per month, saving the City funds that would otherwise be paid to electricity bills. The City utilized \$92,600 in Federal Energy Efficiency Grant funding and \$21,603 in State Solar Initiative funds to pay for the system. City Receives Honor from California Green Communities: The City of Claremont achieved “Silver” status as a California Green Community for its commitment to sustainability. Claremont is one of only four cities to achieve this status. California Green Communities is a community-based effort that encourages cities to adopt environmentally sound practices involving energy efficiency, waste reduction, water conservation, use of renewable and alternative fuels, efficient transportation and other activities.
- ▶ **Sycamore Canyon Park Restoration Project:** The City of Claremont removed 35 non-native eucalyptus trees and replanted this area of the Claremont Wilderness Park with 16 native oaks and sycamores. The project removed non-native trees that were obstructing the trail and creating a fire hazard and replaced them with 370 seedlings that will provide a fire resistant native habitat for this area of the park.
- ▶ **Claremont Home Energy Retrofit Project (CHERP):** The City of Claremont continued its partnership with Sustainable Claremont, Energy Upgrade California, and Los Angeles County to provide large financial incentives to homeowners who make whole house energy efficiency upgrades to their homes. The program has been extremely successful in Claremont with nearly 40 homes completed or initiated in 2011. Participation rates in Claremont were approximately forty times the average per capita participation rate of Los Angeles County. In 2011, the project resulted in the creation of approximately 16 local jobs, \$500,000 of investment in the local housing stock, and nearly \$100,000 in incentives being paid to Claremont homeowners.
- ▶ **Citrus Regional Bikeway:** The City completed a 1.7 mile extension of the Citrus Regional Bikeway through the City along First Street and Bonita Avenue. The facility includes class 2 and 3 bike lanes, 2 new traffic signals, bicycle activated traffic signals, lane striping, signage, and bicycle racks.
- ▶ **Bike Priority Zone:** The City completed a bicycle priority zone in the central section of the City. The area includes extensive new signage identifying the zone as a bicycle priority zone, signage for bicycle routes, sharrows (shared bike and auto lane markings), and over 500 new bicycle racks.
- ▶ **Claremont Safe Routes to School Bicycle and Pedestrian Education Program:** The City secured a federal grant to fund education programs in all Claremont public elementary and middle schools to help encourage students to bicycle and walk to and from schools in a safe manner. The program includes educational assemblies, walking audits, bike rodeos, family bicycle rides and helmet safety training.
- ▶ **Sustainability Committee:** City staff continued facilitating a City Council appointed 9-member Sustainability Committee. The Committee provides broad citizen oversight for implementation of the Claremont Sustainable City Plan.



▶ **Sustainable Claremont:** City staff continued to support the efforts of a community-based non-profit organization with over 100 members.

▶ **Earth Day Celebration:** City staff worked with citizen groups and local merchants to hold the third annual Earth Day Celebration on April 30, 2011. The festivities included a two block street fair, live entertainment in the Village Square plaza and speakers at City Hall.

▶ **Energy Efficiency Improvements to City Facilities:** City staff completed improvements to the City's computer network (virtual servers) and cubicle occupancy sensors to reduce energy consumption at City facilities that will save the City approximately \$5,000 annually. With past upgrades the City is saving over \$50,000 annually.

▶ **“Green” Affordable Housing Project:** The City and Jamboree Housing completed construction of a 75-unit affordable housing project for families and seniors. City staff facilitated all aspects of the project including site selection, site acquisition, funding, and plan review. City Staff and commissioners successfully lobbied the project developer to include several “green” features in the design of the project. The project is expected to receive LEED Platinum certification during 2012.

▶ **Green Waste Recycling:** The City continued to implement a contract with the City's green waste recycler to ensure that Claremont's green waste is mulched or composted and reused rather than going into landfills.

▶ **Door-to-Door E-Waste Collection, Recycling, and Disposal Franchise Agreement:** City staff negotiated a five-year franchise agreement for door-to-door electronic waste collection, recycling, and disposal service with Greenway Solid Waste and Recycling, Inc. Greenway will collect, recycle and dispose of electronic waste, including televisions, phones, DVD players, computers, and other electronic devices. The door-to-door program, which will go into effect in early 2012, will allow residents to call for an e-waste pick up and a driver will be dispatched within 72 hours to collect the waste from the residence.



▶ **Green Classes:** The City continued a series of environmentally friendly classes available through the City's recreation guide. Classes include organic gardening and backyard orchard culture.

▶ **Water Conservation:** The City continued to implement its water conservation and water efficient landscape ordinances that prohibit wasteful water use and require large new landscape projects to be water efficient.

Community

▶ **Brave New World Conference:** In October, a group of local churches, non-profits and Colleges hosted a conference aimed at creating ecological communities. Local, regional, and national leaders assembled for three days of lectures, discussion groups, and activities. The event was headlined by Bill McKibben, founder of 350.org and author of several books including The End of Nature and Eaarth. Over 1,500 people attended this lecture. Activities also included a discussion between Dr. David Orr of Oberlin College and the City Sustainability Committee.

▶ **Sustainable Claremont:** The Claremont community has responded to the recommendation of the Sustainable City Plan and formed a community-based non-profit organization which now has approximately 100 members. Sustainable Claremont had another fruitful year of raising awareness in the community.

▶ **Earth Day Celebration:** Several citizen groups and local merchants worked with City staff to hold the Third Annual Earth Day Celebration on April 30, 2011.

▶ **Green Development:** By the end of 2011, there were eight LEED certified buildings in the City with a total floor area of 400,000 square feet. During 2011, the Claremont Colleges and Pilgrim Place Retirement Community finished construction on three buildings with a total square footage exceeding 125,000 square feet in floor area. Each is expecting to receive final LEED certification in 2012. Four additional buildings that will eventually receive LEED Certification began construction in 2011.

▶ **Water Efficiency:** City residents have been called on to conserve water by both City staff and Golden State Water Company. The goal was to conserve at least ten percent of water over base line consumption. The results through December 2011, have been excellent with water company data indicating that residents have reduced water consumption by 23.7 percent from the base line.

▶ **Clean Local Energy Production:** Claremont families installed Photovoltaic solar panels on 61 homes in 2011; the highest number of Claremont homes in a single year. These new systems will collectively generate approximately 430,000 kWh of clean electricity per year and bring the total solar electricity production in the City to approximately 1.5 million kWh per year.

▶ **Green Building:** All major commercial construction projects (over 20,000 sq.ft.) in Claremont in 2010 were designed and constructed to “green” standards and are seeking LEED certification.

▶ **Uncommon Good Super Adobe Project:** Uncommon Good began construction on a unique “ultra-green” super-adobe building with sustainable landscaping and stormwater management on property owned by the Claremont Methodist Church. The development, which will serve as the organizations administrative offices and public meeting space, is designed and constructed by the Claremont Environmental Design Group (CEDG).



▶ **CHERP Program:** Volunteers from Sustainable Claremont worked tirelessly throughout the year to promote the importance of home energy efficiency retrofits. Approximately, 45 retrofits were completed in 2010 and 2011 with another 25 more underway in 2012.

▶ **Turf Buy Back Program:** Golden State Water Company continued to partner with Three Valleys Municipal Water District to offer a Turf Removal Program. The program offers rebates to Claremont homeowners who replace turf with water wise landscaping. The program provides \$1.50 per square foot up to \$3,000 per residence. Approximately 50 homeowners have taken advantage of this innovative program.

▶ **RSABG Wins National Award:** In March, the U.S. Fish and Wildlife Service selected Rancho Santa Ana Botanic Garden as one of only two recipients of the 2011 Recovery Champions for the Pacific Southwest Region. The honor was for work RSABG has done to conserve more than 100 federally listed plants. Recovery Champions, such as the RSABG, help listed species reach a point where they are secure in the wild and no longer need protection under the Endangered Species Act.

Important Terms and Definitions:

“City” shall mean the City of Claremont Municipal Corporation and the City government including its staff, commissions, committees and council.

“Community” shall mean the entire community of Claremont including all residents, students, businesses and visitors within the incorporated limits of the City of Claremont.

“LEED” stands for Leadership in Energy and Environmental Design, a rating system created by the United States Green Building Council to evaluate the environmental performance of buildings.

“Sustainability” shall mean the ability for the City and residents of Claremont to meet the needs of the present economy, society and environment while preserving the ability of future generations to meet their needs. (Source: Claremont General Plan, adopted November 14, 2006)



Grading Definitions:



Exceeds Goals: data or subjective (sometimes anecdotal) evidence indicates that goals are being exceeded by 10% or more.



Meets Goals: data or subjective (sometimes anecdotal) evidence indicates that goals are being met, within 10% margin of error.



Below/Behind Goals: data or subjective (sometimes anecdotal) evidences indicate that progress is below expected goals by 10% or more.





Sustainability Background Report

Definition of Sustainability

“The ability for the City and residents of Claremont to meet the needs of the present economy, society and environment while preserving the ability of future generations to meet their needs”.

(Source: Claremont General Plan, adopted November 14, 2006)

Report Card Organization

This report is organized around the seven goal areas identified in the Claremont Sustainable City Plan. Each goal area contains several goals that are designed to improve the sustainability of the City and community in that area. Many goal areas, such as water and energy, have numeric targets that translate to quantitative objective measures that are easily measured and evaluated. Other goal areas, such as outreach and economic sustainability, are more difficult to measure and are evaluated with more subjective and sometimes anecdotal evidence.

Goal Areas

► Goal Area 1 – Resource Conservation

Energy

Goal 1.1.1 - Reduce energy consumed by 20% by 2015 (2003 Baseline)

City Electricity Use:

Electricity by the Numbers - City:

Note: Based on consumption data provided by Southern California Edison Co.

3,344,500 kWh = 2003 Baseline Energy (City)

3,868,041 kWh = Peak Energy Use (2008)

3,756,290 kWh = 2011 Energy Use (40% above target)

2,675,600 kWh = Target Energy Use in 2015 (City)

1,192,846 kWh = Annual energy savings needed from 2008 peak for City to reach its goal

409,501 kWh = Estimated annual energy savings from projects completed since Oct. 2008

\$225,000/year = amount saved each year by taxpayers if City reaches its goal (20% by 2015)

- Energy used by the City of Claremont (Municipal Corporation) has remained flat for the last two years as the City made little net progress toward achieving its energy reduction goals. During this time, the City has completed additional energy efficiency projects at City Facilities, but also added a large new park on Padua Avenue that utilizes almost as much electricity as was saved. In addition the City added a new solar system at the City Yard at the end of 2011; however the energy savings from this project will not be realized until 2012. The City must begin working much harder to save enough electricity in order to reach its 2015 reduction target of 20%.
- The City completed the following efficiency projects in its facilities in 2010:
 - Replaced 7 individual servers with one energy efficient server, reducing energy costs and air conditioning required in the server room.
 - Installed energy conserving occupancy sensors in employee work spaces to turn off non-essential electronic devices when employee is not present.

Summary of Electricity Efficiency Projects – Municipal Corporation	
235,882 (kWh)/yr	= 2008 electrical efficiency projects for City facilities
34,285 (kWh)/yr	= 2009 electrical efficiency projects for City facilities
125,334 (kWh)/yr	= 2010 electrical efficiency projects for City facilities
60,285 (kWh)/yr	= 2011 (virtual servers, PV solar system, occupancy sensors)
455,786 kWh/year	= Total Saved (\$61,917/year)
13.6 % of Baseline	= Total estimated savings for City facilities from 2008-11 Energy Efficiency projects

- The City continued to participate in the San Gabriel Valley Energy Wise Partnership to work to identify additional energy efficiency and peak demand reduction strategies for future action. So far this partnership has resulted in \$45,000 in rebates for energy efficiency expenditures and over \$52,000 in annual energy savings.
- The City continued to partner with Sustainable Claremont on the CHERP project which is designed to help encourage homeowners to make energy efficiency improvements to their homes. In 2011, the City paid out over \$6,500 in incentives for this program, while the Utilities and Los Angeles County paid out over \$75,000. The program resulted in an investment of approximately \$500,000 in the local housing stock.
- Figure 1, as shown below, compares actual energy consumption to the City's target. Additional data lines show "business as usual", which is the City's consumption if the energy efficiency projects had not been completed, and energy use if Padua Avenue Park had not been added.

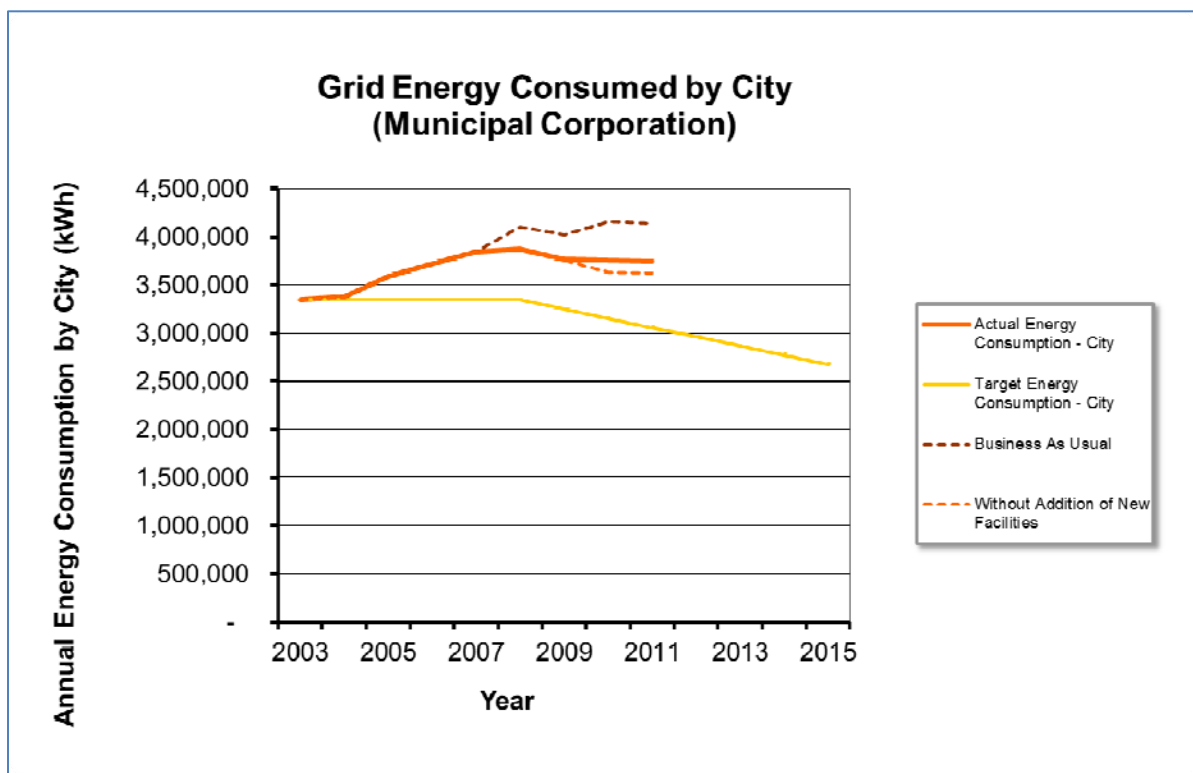
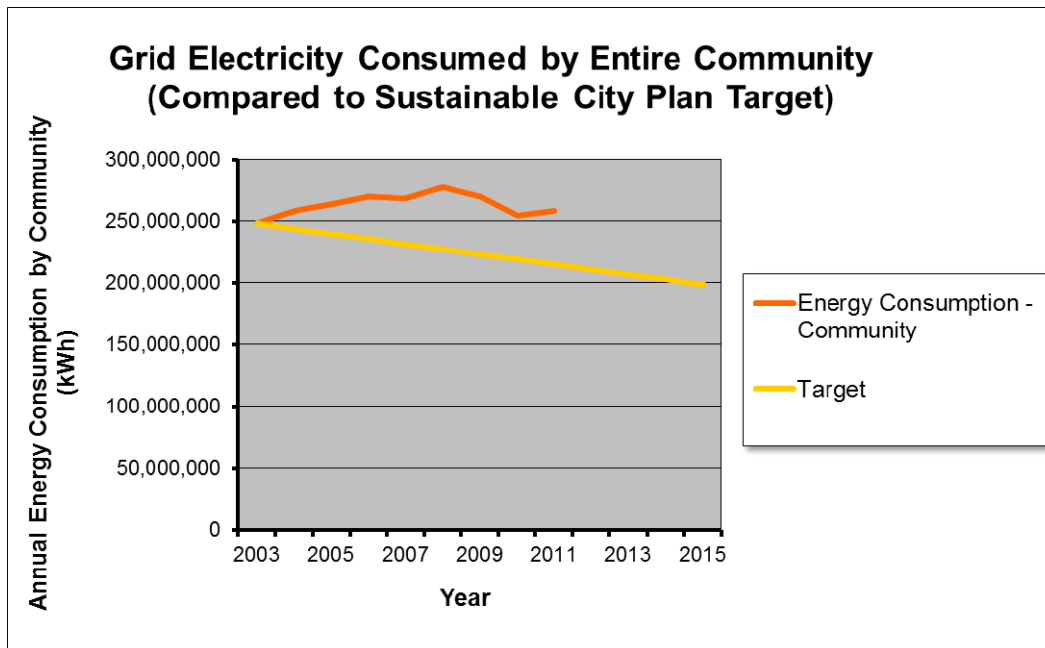


Figure 1

Community Electricity Use:

Overall community-wide electrical use rose slightly in 2011, in line with regional trends. While it is more difficult to change the habits of private individuals and businesses, City staff has worked hard to promote solar energy and new rebate, tax credit, and loan programs. It is hoped that these programs will begin having a significant impact in 2012.

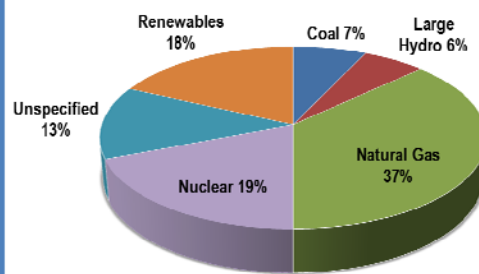


Communitywide Electricity Consumption

Baseline Year (2003)	248,204,336 kWh
2011 Target	215,110,436 kWh
2011 Actual	258,378,679 kWh
% Change	+3.9%

Southern California Edison (SCE) continues to be the cleanest major electrical utility in the country; on course to achieve state mandates for percent of renewable energy as a percent of power generated. SCE is also a strong partner in Claremont's many energy efficiency efforts

Claremont Energy Mix by Source - 2010



- **Claremont Home Energy Retrofit Program (CHERP)**

The City of Claremont continued its partnership with Sustainable Claremont, Energy Upgrade California, and Los Angeles County to provide large financial incentives to homeowners who make whole house energy efficiency upgrades to their homes. The program has been extremely successful in Claremont with nearly 40 homes completed or initiated in 2011. Participation rates in Claremont were approximately forty times the average per capita participation rate of Los Angeles County. In 2011, the project resulted in the creation of approximately 16 local jobs, \$500,000 of investment in the local housing stock, and nearly \$100,000 in incentives being paid to Claremont homeowners.



'CHERP'ing' Home in Claremont



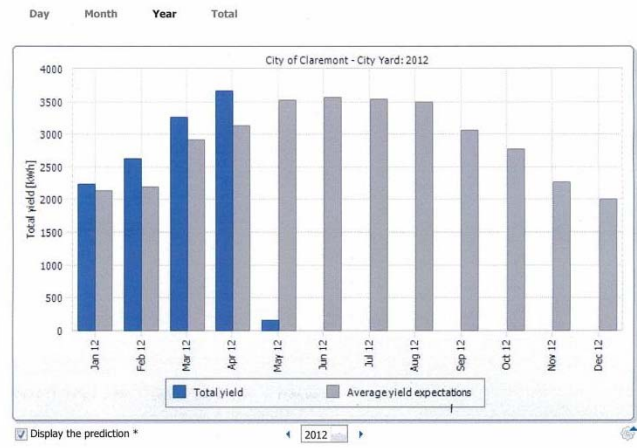
Goal 1.1.2 – Produce More Clean Energy Locally

City:

- The City installed a photovoltaic solar energy system on a large metal carport at the City Yard. The 20 kW (AC) system is now producing over 3,500 kWh per month, saving the City funds that would otherwise be paid to electricity bills. The City utilized \$92,600 in Federal Energy Efficiency Grant funding and \$21,603 in State Solar Initiative funds to pay for the system.

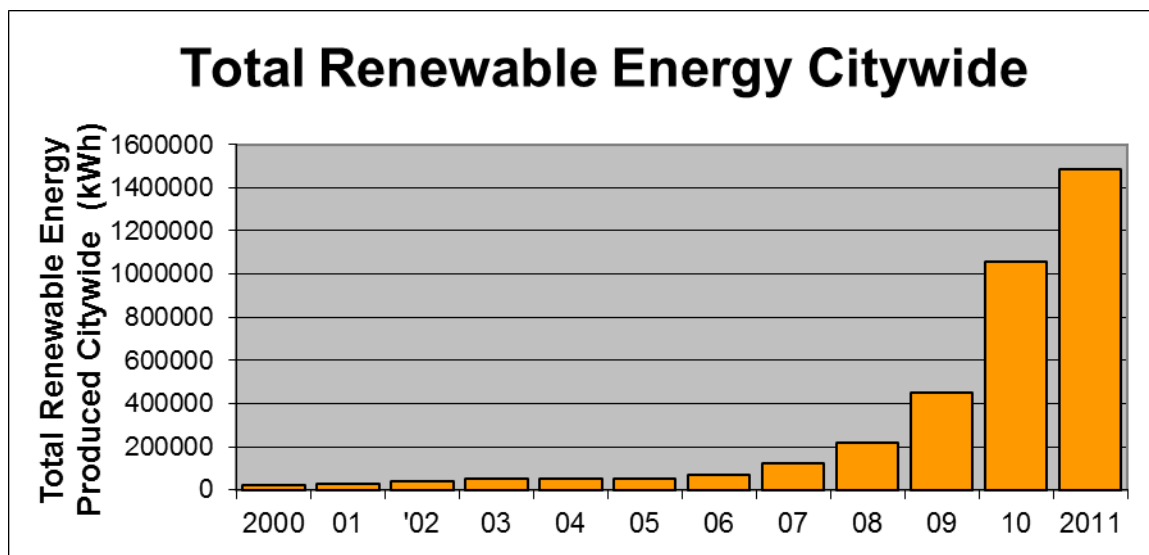


Energy and Power



Community:

- Claremont families installed new photovoltaic solar panels on 61 homes in 2011, the highest number ever of Claremont homes in a single year. These new systems will collectively generate approximately 430,000 kWh of clean electricity per year and will bring the total solar electricity production in the City to approximately 1.5 million kWh per year. There are now over 200 Claremont homes with photovoltaic solar systems in place. Despite this very impressive growth, solar still represents a small fraction (approximately 0.75 percent) of the total electricity consumed in the City.



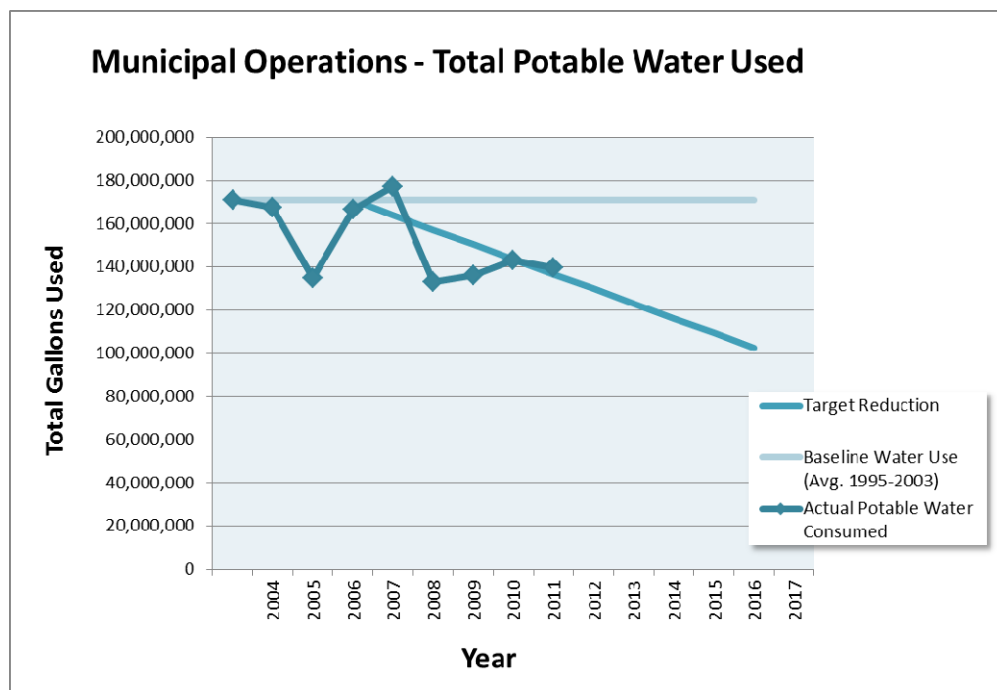
Water

Goal 1.2.1 – Reduce Total Water Consumed by 20% by 2012 and 40% by 2017

City:

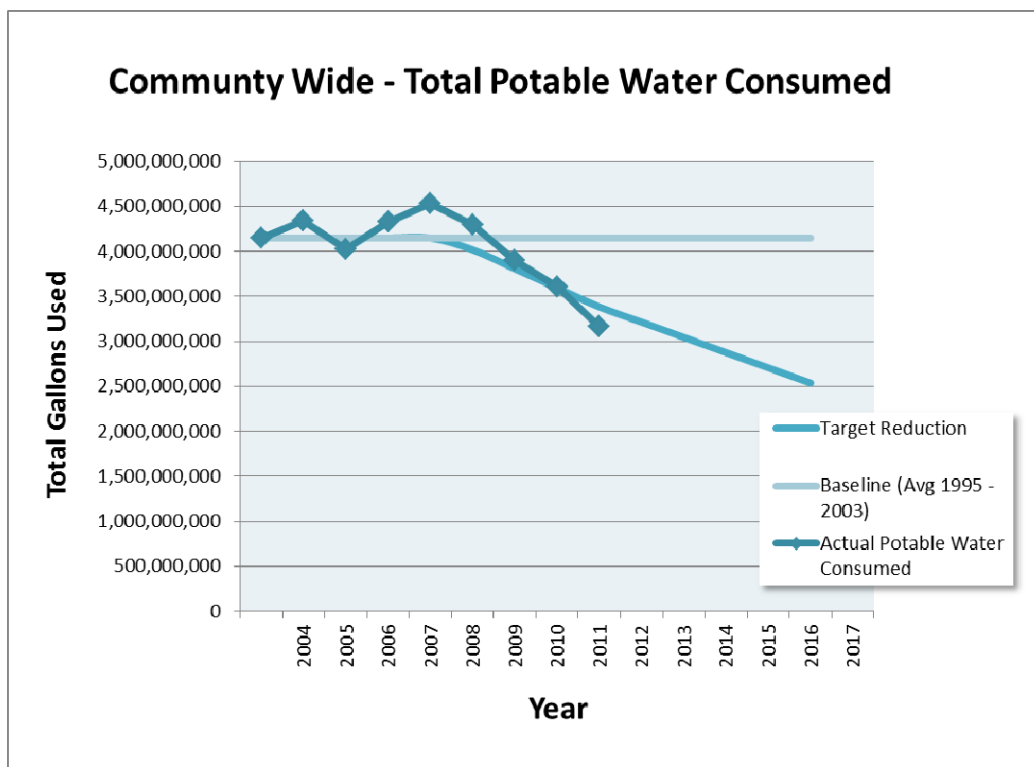
- The City continued working to limit its water usage in all City facilities and landscapes to levels that are in line with our goals. Consumption numbers include the water used to irrigate Padua Avenue Park, a new 18 acre sports park that came on line in early 2010. Overall, the City has reduced its water consumption by 31,349,000 gallons (18% below the baseline).
- In 2010, the City passed a Water Efficient Landscape Ordinance (WELO) that requires new landscapes and major landscape renovations to follow water saving design practices and comply with a “water budget” for the site. City Planning staff continue to implement this ordinance for all new development.
- The City worked with Golden State Water and Three Valleys Municipal Water District to establish, promote and implement a Turf Buyback Program.
- The City accounted for roughly 4.6% of total water consumed community-wide in 2011.

City (Municipal Corp.) Water Consumption		
Baseline (Average 1995-2003)	170,923,984	Gallons/year
2011	139,574,556	Gallons/year
% Change	- 18 %	



Community: The City, Golden State Water, and various state and regional water agencies have called on the Claremont community to conserve water.

- Golden State Water has provided water conservation kits, low flow toilets, and water conservation tips to customers, as mandated by the State Public Utilities Commission. These kits are available by calling the GSW customer service hotline.
- Water consumption over the last 12 months is 23.7 percent below the baseline. This puts the community ahead of its goal of a 20 percent reduction by the end of 2012 (see table below). The precipitous drop is due in large part to changing water use behaviors, but rapidly rising water rates and mild summer temperatures were also major factors in achieving this goal.



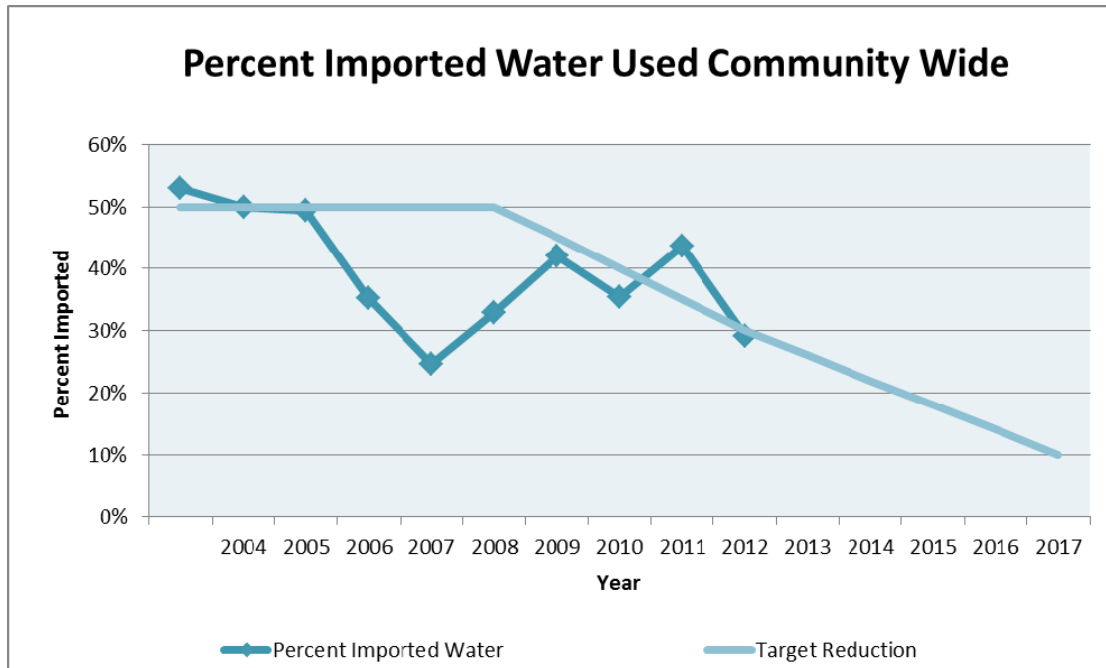
Community Wide Water Consumption		
Baseline Average Use (Average of 1995-2003)	4,148,816,013	Gallons/year
2011	3,167,481,580	Gallons
% Change	- 23.7 %	

Source of data: Golden State Water Company

Goal 1.2.2 – Reduce Consumption of Imported Water Community-Wide by 40% by 2012 and 80% by 2017

Community:

- Imported water use in the City varies widely based on a number of factors. Overall the community’s use of imported water has declined from a high of 53% of total water consumed in 2003 to 29% of total water consumed for the 12 months ending in October 2011. Currently, it appears that the City is on target to meet its imported water reduction goals.



Goal 1.2.3 – Minimize Waste of Water Resources by Advocating and Implementing Wise Use and Conservation Measures

City:

- The City adopted a Water Efficient Landscape Ordinance that requires new development and large re-landscaping projects to be designed, installed and operated in a water efficient manner. The ordinance, which requires compliance with a maximum water budget for the site, is being implemented by City Planning Division staff.
- City Sustainability Coordinator assisted with the implementation of a Turf Removal Program offered by local water agencies. Staff helped market the program and answer questions about appropriate designs, plant selection, and permitting requirements.
- City Code Enforcement staff continues to implement the City’s water conservation basis in conjunction with Golden State Water. When violations are reported or observed, staff follows up with educational materials and, if necessary, refers to Golden State Water Company for further assistance.

Community:

- Golden State Water Company partnered with Three Valleys Municipal Water District to offer a **Turf Removal Program**. The program offers rebates to Claremont homeowners who replace turf with water-wise landscaping. The program provides \$1.50 per square foot up to \$3,000 per residence. In the first eighteen months of this program, over 47 applications have been approved in Claremont.
- Golden State water has also implemented a variety of additional **water conservation programs** utilizing funding from the public goods charge section of ratepayers bills. These programs are summarized in the following table.

Conservation Program	2011	2010	2009
Ultra High Efficiency Toilet Distribution	472	799	324
Conservation Kits – Distributed	1,127	1,419	898
School Education Program (Students)	608	620	574
Turf Removal Program (Reservations)	22	1	
Residential Audits	15	20	
Large Landscape Audits	26		
Commercial, Industrial and Institutional Audits	28		

- **Grey Water Systems:** Pilgrim Place, a retirement community consisting of 150 residential units, has installed grey water systems in two of its single family homes. The systems take water from washing machines, filter it, and pump the water out into the landscape through drip irrigation system. These are some of the first systems to be installed under the City’s revised building code that makes it easy and cheap to install “simple” grey water systems in Claremont.
- **Reclaimed Water Facility for Colleges:** The Claremont Colleges began analyzing the feasibility of a proposed water reclamation facility that would convert sewage into disinfected tertiary-treated water for irrigation of the campus grounds. The concept was developed by experts in the field who volunteered their time with Sustainable Claremont. It was then refined by a Harvey Mudd College Intern. In February 2012, the Council of Presidents of the Claremont Colleges approved going forward with a professional engineering study for the project. The California Water Foundation has provided a letter of interest to cover up to \$125,000 (50%) of the cost of this study, and the Foundation is considering additional funding for the 500,000 gpd project. The system will use innovative technology that requires relatively little space and will replace about 5% of the potable water used in Claremont. This project is seen as a model for a future city-wide water reclamation system in Claremont.

Solid Waste

Goal 1.3.1 – Reduce Total Amount of Waste Being Sent to Landfills by 10% by 2015 (baseline year 2000)

Community:

- The community reduced total solid waste generated by 14 percent in the latest available reporting year (2010). The drop cuts total waste to 22,536 tons from 26,281 tons in 2009. This represents a 34% drop from the 34,030 tons generated during the baseline year (2000).

Goal 1.3.2 – Increase Amount of Composting and Mulching

City:

- Continued implementing green waste recycling where green waste is processed for re-use as mulch and compost rather than for use as “daily cover” in landfills.
- Continued and expanded a free mulch program for residents. The program converts City tree trimmings to mulch that is then given away to local citizens for use as sustainable ground cover for landscapes. Using mulch also helps reduce water use.
- Total material composted by the City solid waste division has grown from an average of approximately 500 tons/year in 2004-2007 to 7,500 tons/year in 2010

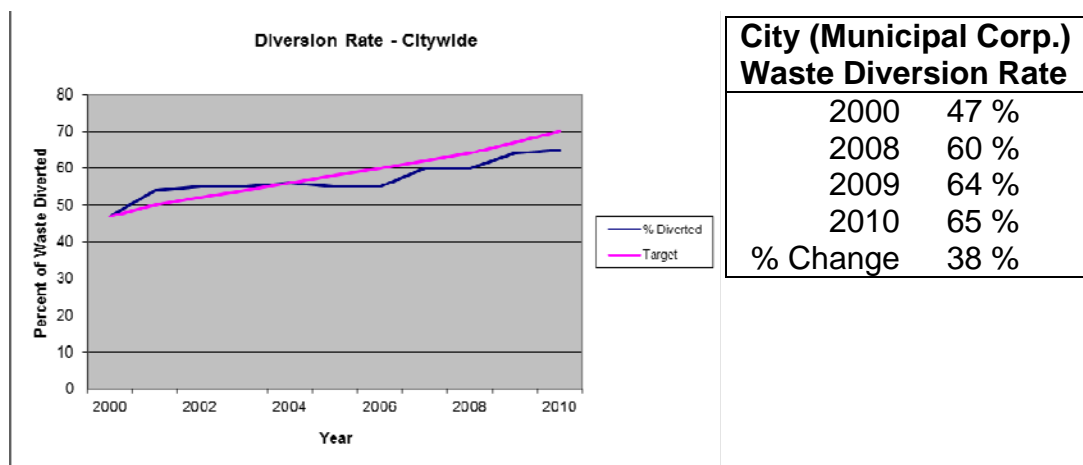
Goal 1.3.3 – Increase Diversion of Waste From Landfills to 70% by 2010

City:

- Diverted 65% of all collected refuse away from landfills. This is 5% short of our goal of 70% by 2010.

Community:

- Claremonters continued to receive a 99% acceptance rate of green waste – sharing the title for the cleanest green waste in the region. This is important because green waste that is contaminated with trash, recycle or other unacceptable matter must be sent to the landfill and buried along with the refuse.



► Goal Area 2 – Environmental & Public Health

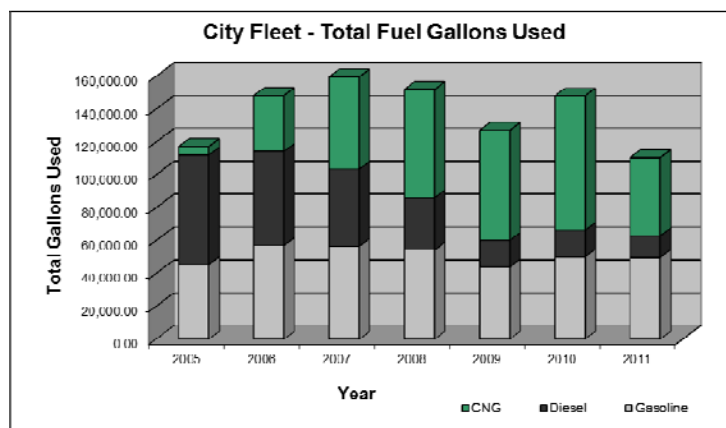
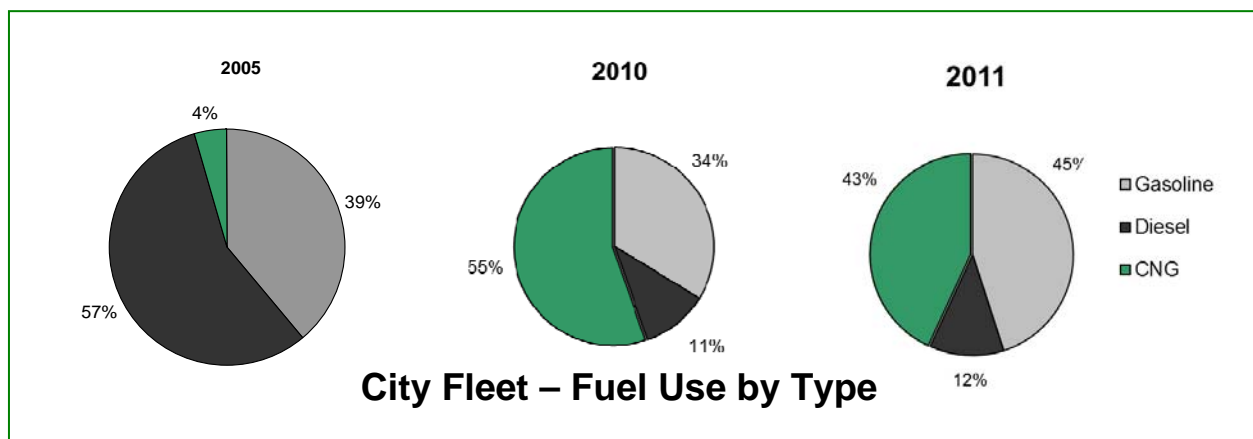
Goal 2.1 - Reduce Greenhouse Gas Emissions

City: The City began work on an analysis that will lead to adding a greenhouse gas metric to the Sustainable City Plan. Through the San Gabriel Valley Council of Governments, a consultant has been hired to develop a series of energy conservation strategies aimed at reducing greenhouse gas emissions in the City. These strategies will be incorporated into the 2012 update to the Sustainable City Plan.

Goal 2.2 – Air Quality: Implement Air Quality Improvement Strategies Recommended by South Coast Air Quality Management District

City:

- Continued converting fleet of City vehicles from Diesel and Gasoline to cleaner fuel types such as compressed natural gas (CNG) and gas hybrid vehicles.
- Continued making its CNG fueling facility available to other entities such as the school district to help increase use of this cleaner fuel type.



Goal 2.2 – Toxics : Increase Utilization of Household Hazardous Waste Collection Programs

City:

- City staff negotiated a five-year franchise agreement for door-to-door electronic waste collection, recycling, and disposal service to Greenway Solid Waste and Recycling, Inc. Greenway will collect, recycle and dispose of electronic waste, including televisions, phones, DVD players, computers, and other electronic devices. The door-to-door program, which will go into effect in early 2012, will allow residents to call for an e-waste pick up and a driver will be dispatched within 72 hours to collect the waste from the residence
- The City supported formation of a new program where local businesses, including Hendrick's Pharmacy, accept used batteries year-round.
- The Police Department continued a prescription drug disposal program that allows the public to drop off prescription drugs at the police department where they can be safely disposed of.
- In February, the City held its annual HHW roundup in cooperation with LA County Sanitation Districts.
- By continuing to convert its fleet from diesel to cleaner fuels, the City has removed large amounts of airborne carcinogenic particles from our air.

Community:

- In addition to the City's annual HHW roundup, there were at least two additional e-waste collection events held in the community. These events provided added opportunities for residents and businesses to turn in hazardous e-waste material.
- The Claremont Branch of the County Library system continued a battery and light bulb drop-off point to help keep the hazardous materials out of landfills.

Goal 2.3 - Create Forums for the Exchange of Locally Grown Foods

City:

- The City partnered with horticultural experts from Dave Wilson Nursery to offer backyard orchard culture classes at Hughes Community Center. The classes were well attended.
- The City continued its support for and participation in the Claremont Farmers Market.

Community:

- **Food Not Lawns:** This non-profit group continued to work with local families to help convert existing front lawns into productive vegetable and fruit gardens.
- **Community Garden at Methodist Church:** The Claremont United Methodist Church continues to offer community garden plots to the community.

Goal 2.4 - Increase School District or Community Gardens

- **Claremont Unified School District:** The school district greatly expanded the number of on-campus gardening projects. The food services director has made arrangements to utilize these and other locally grown, organic vegetables in school lunches. CUSD currently operates organic gardens at Vista Elementary, Oakmont Elementary, Sycamore Elementary, El Roble, San Antonio High and Claremont High.
- **Sustainable Claremont Schools Action Group:** This group worked extensively with school district staff and administrators regarding gardening projects and sustainable facilities.

► Goal Area 3 – Transportation

Goal 3.1 - Reduce Per Capita Vehicle Miles Traveled (VMT)

City:

The City's Bicycle and Pedestrian advisory group started a new citizen group to encourage walking for people of all ages. The group organizes and promotes regular group walks through pedestrian friendly areas of the City.

- The City secured a federal Safe Routes To Schools grant to fund education programs in all Claremont public elementary and middle schools to help encourage students to bicycle and walk to and from schools in a safe manner. Program includes educational assemblies, walking audits, bike rodeos, family bicycle rides and helmet safety training. The intent is to get students to safely bike and walk to school as opposed to being driven by parents.

Goal 3.2 – Increase Pedestrian Facilities

City:

- The City constructed 1,500 feet of new sidewalks and continued to maintain sidewalks throughout the City at a very high level.
- The City completed upgraded sidewalks and other pedestrian amenities on Indian Hill Boulevard.

Goal 3.3 – Increase Bicycle Commute Trips

City:

- The City's Bicycle and Pedestrian Advisory Committee continued to conduct annual bicycle counts in September of 2011. This non-scientific survey indicates consistent levels of ridership from 2010 to 2011.
- The City maintained its designation as a Bike Friendly Community.
- Citrus Regional Bikeway Project – City staff completed construction and opened the Claremont segment of this regional bikeway project. The project provides 1.7 miles of east-west bike lanes on Bonita Avenue, from Carnegie to College Avenue, and First Street from College Avenue to Claremont Blvd. The project connects to the Pacific Electric Bike Trail in San Bernardino County.
- Bike Priority Zone Improvements - The City completed its bicycle priority zone in the central section of the City. The area includes extensive new signage identifying the zone as a bicycle priority zone, signage for bicycle routes, sharrows, and over 500 new bicycle racks.

► Goal Area 4 – Sustainable Built Environment

Goal 4.1 – 100% of New City Facilities to Gain LEED Gold Certification

City: The City partially funded the construction of a new 75-unit affordable housing project, Courier Place. The project was constructed to LEED standards and is expected to receive LEED Platinum Certification in 2012.

Goal 4.2 – All Major Private, Non-Residential Developments Certified LEED Silver

Community:

- During 2009, 2010, and 2011, all new non-residential construction with more than 20,000 square feet of habitable floor area was designed to meet LEED standards. All project developers have indicated that they are seeking LEED Certification for LEED Silver or higher for these projects.
- With 16 buildings either LEED certified or seeking LEED certification, Claremont has a very high number of LEED certified buildings for a City of its size. The following table contains a list of structures that have already received LEED Certification or are currently seeking LEED Certification.

LEED Certified Buildings in Claremont			
Developer	Project	Building Size (Sq. Ft.)	LEED Certification Level/(Target)
Pomona College	Seaver Science Center	45,900	Silver
Harvey Mudd College	Sontag Residence Hall	26,171	Certified Level
Harvey Mudd College	Hoch-Shanahan Dining Hall	26,509	Silver
Pomona College	Lincoln - Edmunds Building	92,000	Gold
Pitzer College	Residential Life Project (3 bldgs)	69,098	Gold
Jaquez DDS	Claremont Smile Design Offices	1,500	Certified Level
Stone Creek Developers	Claremont Medical Plaza/ Pomona Valley Medical Center	50,000	Silver
Pomona College	North Campus Residence Hall	85,000	Platinum
Total Square Footage	Certified	396,178	
Additional Projects Currently Seeking LEED Certification			
Harvey Mudd College	Teaching and Learning Building	70,000	<i>(Gold anticipated)</i>
Pomona College	Grounds keeping Building	9,500	<i>(Gold anticipated)</i>
Pilgrim Place	Armistad Assisted Living Bldg.	22,440	<i>(Gold anticipated)</i>
Pilgrim Place	Residential Building	45,744	<i>(Gold anticipated)</i>
Pilgrim Place	Recreation Building	23,000	<i>(Gold anticipated)</i>
Jamboree Housing	Affordable Housing Project (Courier Place Apartments)	85,635 (75 Units)	<i>(Platinum anticipated)</i>
Pitzer College	Residential Life Phase II	78,000	<i>(Gold anticipated)</i>
Claremont University Center (CUC)	Administrative Campus	41,053	<i>(Silver anticipated)</i>
Total Square Footage	Registered for Certification	375,372	

- As discussed above under energy, residents increased production of solar electricity generated in the City by nearly 50% installing Photovoltaic systems on 61 homes and 1 City facility.
- Pilgrim Place retirement community has developed a LEED Silver level master plan, completed one LEED rated building and is constructing 2 additional LEED buildings.
- Pilgrim Place has also committed to retrofitting nearly 100 homes on its campus with energy efficiency upgrades. The upgrades are expected to reduce energy use in each home by at least 20 percent.

Goal 4.3 – City Staff Training - LEED and Sustainability

City:

- City staff from both the Building and Planning divisions are LEED accredited professionals.
- The City adopted the State of California Green Building Code, which became effective January 1, 2011.



Figure 2. Courier Place Affordable Housing Project Seeking LEED Platinum Certification.

► Goal Area 5 – Open Space and Land Use

Goal 5.1 – Protect Natural Open Space

City: The City continued to work to protect natural open spaces in the City.

- Maintained the 1,913 acre Claremont Wilderness Park and provided public access to this important community asset. Currently, the City is working to design an expanded parking lot to resolve parking issues at the entrance to the park.
- Completed the first phase of the rehabilitation of the Sycamore Canyon Park Restoration Project. This project included the phased removal of non-native Eucalyptus trees and replacement with native Sycamore and Oak trees.
- Completed the design and issued a contract for an upcoming native landscaping project at Padua Avenue Park. Native landscaping will be added to non-landscaped areas of the park, including existing parkways, planters, and borders. The plant palette will include Riversidean Alluvial Fan Sage Scrub (RAFSS) plantings that are native to the park site and will complement the existing habitat on the north side of the park. These newly incorporated elements are funded by a grant from the Rivers and Mountains Conservancy.
- San Gabriel Watershed and Mountains Special Resource Study: The City supported a National Park Service study considering if the San Gabriel Mountains should be designated as a National Recreation Area under the National Park Service. The study determined this area qualifies for designation and solicited feedback on several possible alternative recommendations for how to go about designating the National Recreation Area. The City Council approved a letter of support for Alternative D.

Goal 5.2 – Expand and Improve Our Network of Constructed Open Spaces

City:

- Maintained 24 City-owned parks, sports fields and public plazas that provide over 150 acres of constructed open space throughout the community.

Goal 5.3 – Create Mixed Use Areas to Increase Alternative Transit Opportunities and Affordable Housing

City:

- Completed construction of a new medium density affordable housing project in a mixed use area adjacent to the Claremont Depot transit station.
- Approved concept of a new mixed use, market rate apartment, live-work and retail project on a vacant industrial site (Rich Products) in the Village expansion.

Goal 5.4 – Protect the Urban Forest

City: The City continues to maintain its extensive network of street and park trees, which in return provide Claremont with much of its unique character and beauty.

- The City maintained its urban forest of 24,274 City trees (street trees and parks).
- The City won the National Arbor Day Association's "Tree City USA" award (27 years and running).
- Quickly responded to clean up and replant trees after a major wind event that damaged and toppled city-owned trees.

Community:

- Volunteers planted approximately 500 Oak trees in the Claremont Wilderness Park and 370 native Oak and Sycamore seedlings in the Sycamore Canyon Wilderness Park. During 2011, local landscape architect Mark von Wodtke continued coordinating the "Achievable Claremont Oak Regeneration Now" (ACORN) project. This project utilizes volunteers to gather acorns from local native Oaks, propagate them with help from the Rancho Santa Ana Botanic Garden, plant the Oak seedlings in the Claremont Wilderness Park, and water and maintain them until they become self-sufficient. The effort is aimed at restoring Oak woodland areas of the foothills and has many benefits to the environment.



► Goal Area 6 – Housing & Economic Sustainability

Goal 6.1 – Meet or Exceed State Housing Mandates

City:

- The City and Redevelopment Agency Partnered with Jamboree Housing Development to construct a 75 unit affordable housing development. Of these 38 are reserved for seniors and 36 are reserved for families. All units will be reserved for very low income level families. The project is expected to receive LEED Certification at the Platinum level.

Goal 6.2 – Promote Neighborhood Identity and Conservation of Individual Neighborhood Character

City:

- Implemented the City Mills Act ordinance to allow more properties to receive tax incentives for maintaining their historic character.
- Continued to work closely with Claremont Heritage to review new development proposals to ensure that historic properties and neighborhoods are preserved.

Goal 6.3 – Retain Claremont’s History and Heritage

City:

- No properties were added to or deleted from the register.
- In 2011, two new home owners were granted Mills Act tax benefits in exchange for historic preservation and restoration of their property.

Goal 6.4 – Maintain a Strong, Diversified Economy

City: This year, City Economic Development staff worked hard to preserve our economy in very difficult economic times. Efforts included:

- Worked with the Chamber of Commerce to host one of the most dramatic stages of the Amgen Tour de California to Claremont. This high visibility event attracted many visitors, garnered national publicity for the City, and helped establish Claremont as a destination for cycling.
- Continuation of the Friday Nights Live and Depot Jazz Series in the Village.
- Facilitation of a Family Festival on Wednesday nights and Cruise Nights on Saturday evenings in the Village.
- Worked with new property owners of a retail Center in South Claremont to secure a Super King Market to anchor the Center. The market has been very successful and is serving neighborhoods in South Claremont that had gone for several years without a market.

- Revised the City’s sign code to accommodate more appropriate signage for local businesses. Established a program to encourage multi-tenant monument signs for retail centers.

Community: The Claremont Chamber of Commerce continued several existing programs and developed a “Shop Claremont” campaign designed to encourage residents to shop at local and locally owned businesses to help maintain a sustainable local economy. The Chamber also continued several major events including the Village Venture, State of the City Luncheon, monthly networking mixers and charity golf tournament.



► Goal Area 7 – Outreach & Implementation

Goal 7.1 – Outreach and Education to Public Regarding Sustainability Issues

City:

- **Sustainable Claremont** - City staff continued to support this community-based non-profit organization, which now has approximately 100 members. Accomplishments of this group included a monthly “Sustainability Dialog Series” as well as extensive volunteer support for Earth Day Celebrations and the Claremont Home Energy Retrofit Program (CHERP). Join or learn more about this organization through their website: www.SustainableClaremont.org.
- **Earth Day Celebration** – City staff worked with citizen groups and local merchants to hold the third annual Earth Day Celebration on April 30, 2011. The festivities included a two block street fair, live entertainment in the Village Square plaza and speakers at City Hall.
- **Sustainability Report Card** – The City Council adopted its Second Annual Sustainability Report Card and presented the results at several public meetings.
- **Public Information** - The City Sustainability Coordinator, Public Information Officer, and Community Services staff provided sustainability information upon request to citizens by phone, e-mail, and in-person at numerous public meetings and events. In addition, the City published numerous sustainability related articles in City newsletters, City Manager updates, and on the City website.
- **Claremont Home Energy Retrofit Program (CHERP)** - City Staff continued to work with local volunteers to encourage Claremont homeowners to take advantage of new government and utility incentive programs and make energy efficiency improvements to their homes. Because of these outreach efforts, the program has been extremely successful with Claremont experiencing the highest participation rate of any City in Los Angeles County.
- **California Green Communities Challenge** – The City of Claremont achieved “Silver” status as a California Green Community for its commitment to sustainability. Claremont is one of only four cities to achieve this status. California Green Communities is a community-based effort that encourages cities to adopt environmentally sound practices involving energy efficiency, waste reduction, water conservation, renewable and alternative fuels, efficient transportation and other activities. The effort is funded by corporate partners including Southern California Edison and the Environmental Marketing Association. The City Council accepted its award during the annual State of the City luncheon sponsored by the Claremont Chamber of Commerce.

Community:

- **Sustainable Claremont:** Community volunteers have provided innumerable hours of their time to support this community-based non-profit which now has approximately 100 members.
- **Sustainability Dialog Series** - Sustainable Claremont, partnered with Pomona College, the League of Women Voters and the Claremont Interfaith Committee for Sustainability to hold monthly lectures on sustainability topics. Speakers included local, regional and statewide leaders on topics including water policy, greenhouse gas legislation, sustainable projects in Haiti, home energy retrofits, water-wise irrigation, local sustainable development projects and more. Attendance at these monthly lectures ranged from 40 to over 100.
- **Demystifying Sustainability Series in Claremont Courier** – Sustainable Claremont worked with the local newspaper to develop and publish a monthly article on a topic related to the Sustainability Dialog Series.
- **Brave New World Conference:** In October, a group of local churches, non-profits and Colleges hosted a conference aimed at creating ecological communities. Local, regional and national leaders assembled for three days of lectures, discussion groups, and activities. The event was headlined by Bill McKibben, founder of 350.org and author of several books including The End of Nature and Eaarth. Over 1,500 people attended this lecture. Activities also included a discussion between Dr. David Orr of Oberlin College and the City Sustainability Committee.
- **CHERP Outreach** – Sustainable Claremont members held several public events to educate the public regarding the Claremont Home Energy Retrofit Project and the importance of home energy retrofits. Events included home tours, Earth Day, exhibitor fair, and an annual meeting. The group also created a website (ClaremontEnergy.org) and yard signs for homes that are in the process of receiving an energy upgrade.
- **Earth Day Celebration** – The community group, Sustainable Claremont, held its 3rd Annual Earth Day Celebration on Saturday, April 30, 2011 from 10 a.m. – 3 p.m. in the Village.
- **Volunteer Working Groups** - Sustainable Claremont held over 50 working group meetings on various sustainability related topics.
- **Website** - Sustainable Claremont established a website with information on many related topics (www.SustainableClaremont.org).
- **Southern California Edison** held two public education forums Solar Energy.
- **Golden State Water** held public forums on water conservation and on water wise landscaping.
- **The Rancho Santa Ana Botanic Garden** held numerous lectures and workshops on water wise landscaping and California native plantings.
- **Information Hotlines** - Southern California Edison, Golden State Water Company and The Gas Company staff all provided on-demand sustainability related information to the public.

Goal 7.2 – Permanently Integrate Sustainability Principles Into Daily Decision Making Processes

City:

- Continued to staff a 9-person Sustainability Committee to review implementation of the Sustainable City Plan.
- Provided staff to help facilitate Sustainable Claremont.
- Continued to operate its City Staff Green Team to implement Sustainable City Plan as it pertains to City government.
- Continued to implement the City Manager’s Sustainability Embedment Plan
- Developed and circulated the City’s annual Sustainability Report Card.

Community:

- Sustainable Claremont established a framework of action groups designed to help the community implement the community-wide goals of the Claremont Sustainable City Plan.

Goal 7.3 – Metrics – Track and Objectively Measure Progress

City:

- Collected and tracked relevant data (based on availability).
- Created annual Sustainability Report Card to track progress toward the goals of the Sustainable City Plan.
- Began work on an energy efficiency chapter of a climate action plan assistance from technical consultant hired by the San Gabriel Valley Council of Governments.
- Tracked data related to energy retrofits on over 40 homes to help support the Claremont Home Energy Retrofit Project (CHERP). Data will be utilized to study impacts of the project and provide data on which improvements are most effective.

Community:

- Pomona College created an annual sustainability report to track measureable progress toward the institution’s sustainability goals.