

CITY OF CLAREMONT



2012 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 is 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 Goal

Goal Area	Target	Measure	Performance City	Performance Community
-----------	--------	---------	------------------	-----------------------

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	★	★

Environmental & 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	★	
	Upward trend on participation in HHW Collection Programs	Number of participants	★	★
Local & Organic Food	Upward trend	TBD	★	★

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	★	▲
-------------------------	--	---	---	---



2012 Sustainability Accomplishments

City Government

The following sustainability accomplishments were completed by the City of Claremont in 2012.

- **Claremont Achieves Silver Status From California Green Communities:** In January, representatives from the Environmental Media Association, Southern California Edison, and Green Seal honored the Claremont City Council for achieving “Silver” status as a California Green Community. Claremont is one of only four cities to be honored by California Green Communities to achieve this status.

- **Solar Electricity Systems for City Facilities:** The City installed a solar electric energy system on a large metal carport at the City Yard in late 2011. The 20 kW (AC) system produced 37,185 kWh in its first full year, saving the City approximately \$5,575 in electricity costs.

- **Sycamore Canyon Park Restoration Project:** Damage from the 2003 Grand Prix Fire forced closure of Sycamore Canyon Park. In 2012 and early 2013 the City restored the park and added a new single-track hiking trail to connect Sycamore Canyon to the Wilderness Park. The project removed non-native eucalyptus trees that were creating a fire hazard and replaced them with 370 native oak and sycamore seedlings that will provide a fire resistant native habitat for this area.

- **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. 87 homes were completed in 2012 and many more homeowners began the process. Participation rates in Claremont were approximately twenty times the average per capita participation rate of Los Angeles County. In 2012, the project resulted in the creation of dozens of local jobs, \$1,186,800 of investment in the local housing stock, and nearly \$362,000 in incentives being paid to Claremont homeowners.

- **Claremont Safe Routes to School Bicycle and Pedestrian Education Program:** The City utilized a federal grant to fund education programs in all Claremont public elementary and middle schools. The program helps train 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 and bike safety training.

- **Claremont Named Silver Level Bicycle Friendly Community (BFC) by the League of American Bicyclists:** Claremont achieved the silver level BFC award through an exhaustive evaluation process based on the 5 E’s concept: Engineering, Evaluation, Education, Encouragement and Enforcement. The Silver BFC award recognizes Claremont’s commitment to improving conditions for bicycling through education, promotional programs, pro-bicycling policies and installation of new bicycle facilities and infrastructure.



- **Sustainability Committee:** City staff facilitated a City Council appointed 9-member Sustainability Committee. The Committee provides broad citizen oversight for implementation of the Claremont Sustainable City Plan. The committee spent most of 2012 soliciting public input and developing a draft update to the Sustainable City Plan.
- **Sustainable Claremont:** City staff continued to help support the efforts of a community-based non-profit organization with over 100 members. Extensive accomplishments of Sustainable Claremont are presented in the community achievement section below.
- **Earth Day Celebration:** City staff worked with citizen groups and local merchants to hold the 4th Annual Earth Day Celebration on April 21, 2012. The festivities included a two block street fair, over 60 exhibitors, live entertainment, demonstrations, and a speakers' tent.
- **Energy Efficiency Audits at City Facilities:** Utilizing grant funds, the City hired a consultant to complete "investment grade" energy audits of four City buildings. Total area of the four buildings was 65,355 SF, which represents approximately 70% of the total square footage of City owned facilities. The audit report provides an extensive list of energy efficiency projects that could save the City approximately 380,000 kWh of electricity or \$56,720 in energy costs per year. City staff will implement these projects as time and financial resources become available in the future.
- **"Green" Affordable Housing Project:** The Courier Place Apartment Homes, a 75-unit affordable housing project for families and seniors, received LEED Platinum certification from the US Green Building Council in 2012. Significant credit for this accomplishment is due to the project's developer Jamboree Housing.
- **Green Waste Recycling:** The City continued to implement a contract with the City's green waste recycler, Recycled Wood Products, 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:** The City contracted with Greenway Solid Waste and Recycling, Inc., to conduct door-to-door electronic waste collection, recycling, and disposal service within Claremont. Greenway collects, recycles and disposes most electronic waste including televisions, phones, DVD players, computers, and other electronic devices. Residents simply call for e-waste pick up, and a driver is dispatched within 72 hours to collect the waste from the residence.
- **Water Conservation:** The City continued to implement its water conservation and water efficient landscape ordinances to prohibit wasteful water use and require large new landscape projects to be water efficient.
- **Household Hazardous Waste Collection:** In addition to the City's annual Household Hazardous Waste roundup, there were several 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.
- **Free LED Holiday Light Exchange:** In December, Claremont residents had the opportunity to exchange old, incandescent holiday light strings for a new, ultra-efficient light strings. The exchange was funded by the San Gabriel Valley Energy Wise Partnership (SGVEWP), a collaboration between the San Gabriel Valley Council of Governments (COG), and Southern California Edison (SCE). The City and SGVEWP is provided this free service to educate residents about the benefits of energy efficiency, while reducing their energy usage this holiday season.



Community

- **Fair Trade Town:** In April 2012, Claremont officially became the 28th “Fair Trade Town” in the United States and joined more than 1,000 cities and towns across the globe in the growing movement to make Fair Trade the new normal in everyday shopping. Fair Trade Claremont is a coalition of citizens, businesses, civic groups, schools and faith communities working to increase understanding, availability, and use of Fair Trade products as a means to reduce poverty, improve lives, and protect the planet. The effort aims to eliminate the worst types of worker exploitation and safety violations and provide sensible wages to workers at all levels.

- **Sustainable Claremont:** Sustainable Claremont had another fruitful year of raising awareness in the community and taking action on sustainability related matters. In 2012, the group added a Garden Club to help spread the joys of gardening including growing your own vegetables and fruit, native plants, and maintaining water-wise landscapes. The organization was named Honored Community Organization of the Year by the Independence Day Committee.

- **Earth Day Celebration:** Several citizen groups and local merchants worked with City staff to hold the 4th Annual Earth Day Celebration on April 21, 2012.

- **Green Building:** By the end of 2012, there were twelve LEED certified buildings in the City, with a total floor area of 616,222 square feet. During 2012, the Claremont University Consortium’s Administration Building, Pitzer College’s Student Housing Phase 2, and the Pilgrim Place Recreation Center were all completed and received final LEED certification. Seven additional buildings, three of which were completed in 2012, are awaiting LEED Certification.



- **Water Efficiency:** City residents have been called on to conserve water by both City staff and Golden State Water Company. The Community has responded well with average reductions to date generally meeting plan targets of 20% reduction by 2012. Unfortunately, this changed in 2012, one of the hottest, driest years on record, with savings falling from 23% in 2011 to 18% in 2012.

- **Clean Local Energy Production:** Photovoltaic solar panels were installed on 70 Claremont homes and 2 College facilities in 2012. This is the highest number of Claremont solar installations in a single year. The new systems will collectively generate approximately 888,000 kWh of clean electricity per year and bring the total solar electricity production in the City to approximately 2.36 million kWh per year.

- **Biodiesel Fuel Pump to Be Added to Arco Station:** The Department of Community Development approved an application from Propel Fuels Inc. to add a new biodiesel fuel pump at the ARCO – AM/PM service station (701 E. Foothill Blvd.). This will be the first outlet for biodiesel fuel in Claremont. Propel will sell Ethanol (FlexFuel E85) and Biodiesel (B5) in addition to the existing ARCO – AM/PM operations, which will remain.

- **Uncommon Good Super Adobe Project:** Uncommon Good continued construction of a unique “ultra-green” super-adobe building with solar panels, sustainable landscaping and stormwater management on property owned by the Claremont United Methodist Church. The development, which will serve as the organization’s administrative offices and public meeting space, was designed and constructed by the Claremont Environmental Design Group.

- **CHERP Program:** The CHERP program met its goal of retrofitting 130 homes, which is roughly 1 percent of the total number of homes in Claremont. Approximately 87 of these retrofits were completed during 2012. The project continues to progress, and the total number of Claremont retrofits now stands at 176. Volunteers from Sustainable Claremont continued to educate Claremonters and are now reaching out to other communities regarding the importance of home energy efficiency retrofits.

- **Turf Removal Program:** Golden State Water Company continued to partner with Three Valleys Municipal Water District to offer a Turf Removal Program, which was established in October 2011. 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 and up to \$5,000 for commercial projects. In 2012, 79 rebates were paid. This resulted in at least 155,013 square feet of turf being removed and replaced with climate appropriate plants.

- **High Efficiency Toilet Rebates and other Golden State Water Programs:** Golden State Water continued to offer rebates for High Efficiency Toilets (HET) of up to \$125 each. The new toilet must flush 1.28 gallons per flush or less, and it must replace a 3.5 gallon per flush toilet or greater. Free sprinkler nozzles and conservation kits were distributed and school Education programs were implemented.



Sustainability Report & Background

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, organizations, 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.

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.

Seven Goal Areas

Goal Area 1 – Resource Conservation

1.1 Energy

Goal 1.1.1 - Reduce energy consumed 20% by 2015 from baseline year of 2003

City (Municipal) Electricity Use:

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

2003 Baseline Energy (City):	3,344,500 kWh
2015 Target Energy Use (City):	2,675,600 kWh
2012 Energy Use (27% above target):	3,770,990 kWh
Peak Energy Use (2008):	3,868,041 kWh

455,786 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)

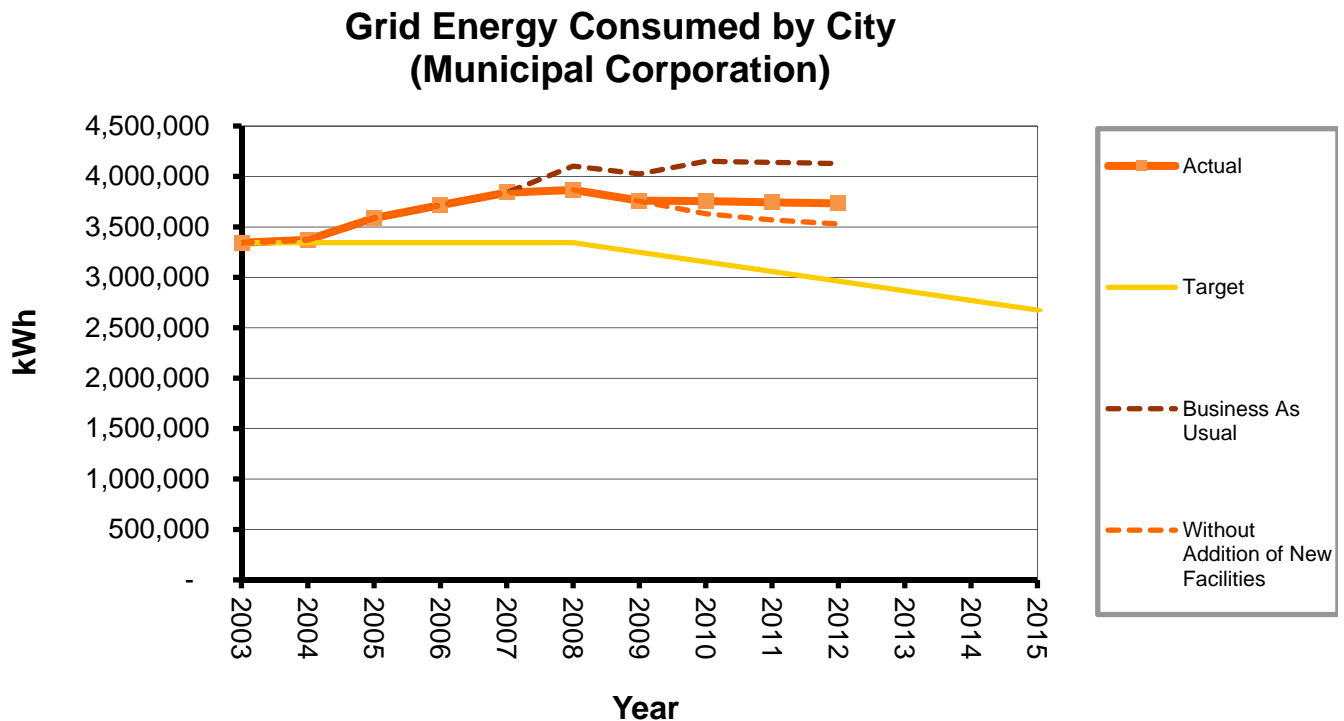
- Energy used by the City of Claremont (Municipal Corporation) has remained flat for the last two years as the City made little net progress toward achieving its energy reduction goals. During this time, the City has completed additional energy efficiency projects at City Facilities and added solar panels; however, it also added a large park on Padua Avenue that utilizes almost as much electricity as was saved. The City must begin working much harder to save enough electricity in order to reach its 2015 reduction target of 20%.
- Utilizing grant funds, the City hired a consultant to complete “investment grade” energy audits of four City buildings. Total area of the four buildings was 65,355 SF, which represents approximately 70% of the total square footage of City owned facilities. The audit report provides an extensive list of energy efficiency projects that could save the City approximately 380,000 kWh of electricity or \$56,720 in energy costs per year. City staff will implement these projects as time and financial resources become available in the future.
- The City continued participating 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 \$54,000 in annual energy savings or over \$200,000 in savings since the adoption of the Sustainable City Plan.

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/yr	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 partner with Sustainable Claremont on the CHERP project which is designed to help encourage homeowners to make energy efficiency improvements to their homes. In 2012, the City

paid out over \$12,500 in incentives for this program, while Southern California Edison, the Gas Company and Los Angeles County paid out over \$350,000. The program resulted in an investment of approximately \$1,186,000 in the local housing stock and creation of approximately 25 local jobs.

- The graph below compares the City's actual annual 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 "Without Addition of New Facilities" energy use, which is the use if Padua Avenue Park and other city facilities had not been added. The City's consumption includes a deduction for renewable energy produced at the City Yard through the new solar panels.

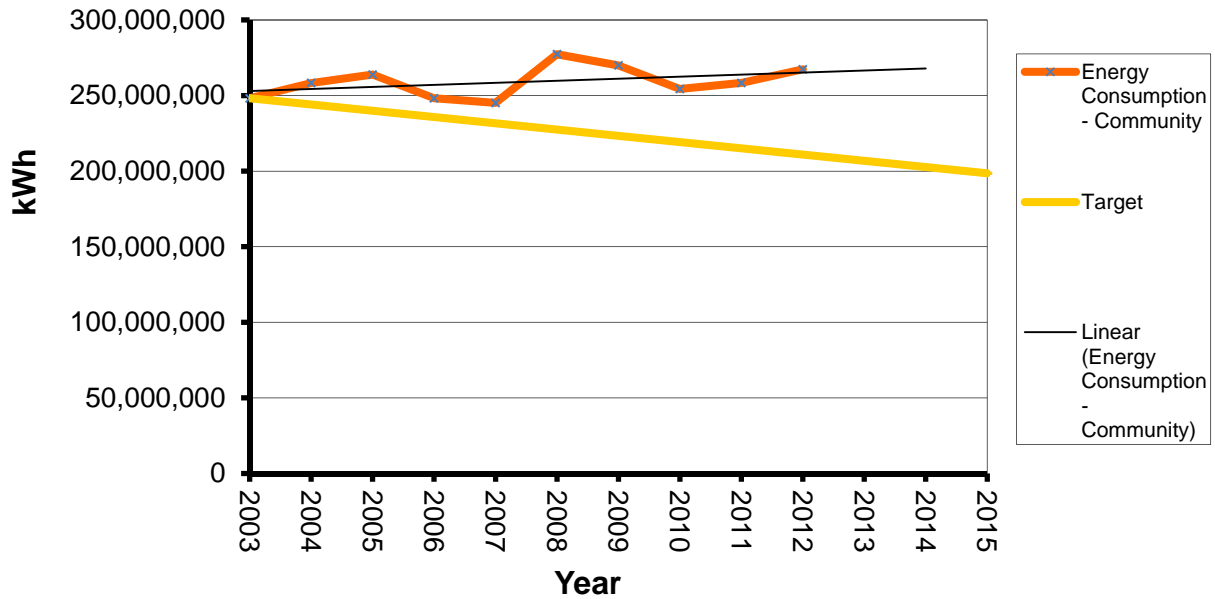


Community Electricity Use:

Overall community-wide electrical use rose slightly again in 2012, in line with regional trends, due to the continued improvement of the economy. While it is more difficult to change the habits of private individuals and businesses, City staff members have worked hard to promote CHERP, solar energy and new rebate, tax credit, and loan programs. It is hoped that these programs will begin having a more significant impact in 2013.

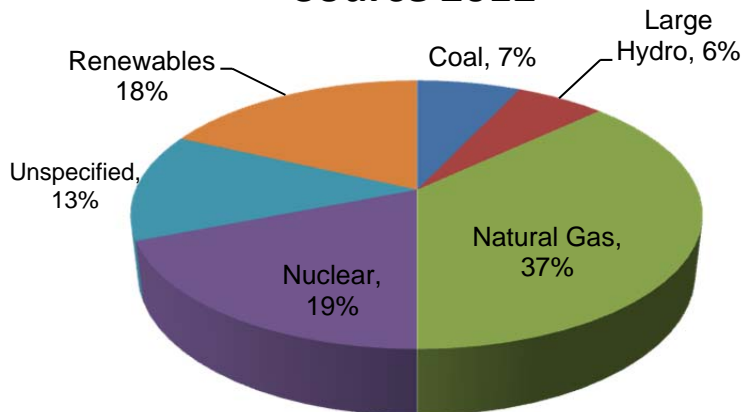
Communitywide Electricity Consumption	
Baseline Year (2003)	248,204,336 kWh
2012 Target	210,973,699 kWh
2012 Actual	267,377,317 kWh
% Change from Baseline	+7.72%

Total Grid Energy Consumed Community-Wide (Compared to Sustainable City Plan Target)



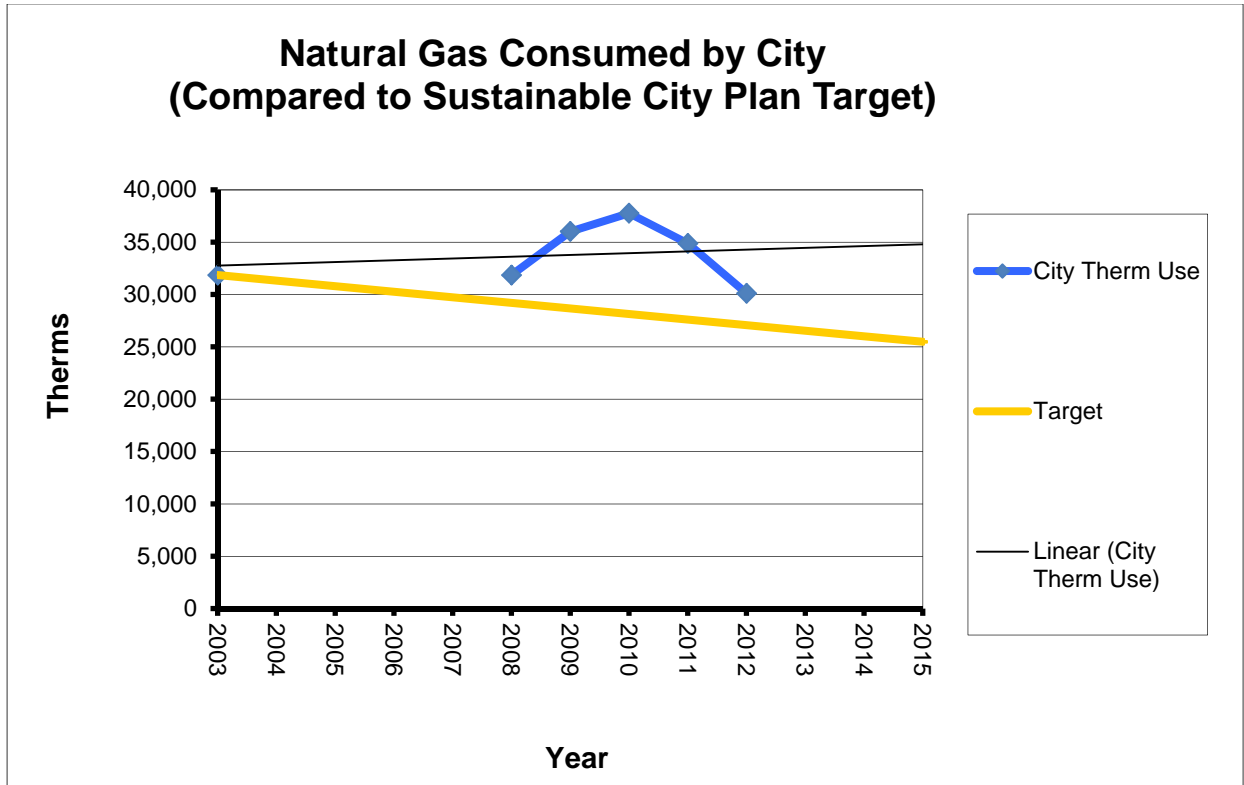
Southern California Edison (SCE) continues to be the cleanest major electrical utility in the country; on course to achieve state mandates for percent of renewable energy as a percent of power generated. SCE is also a strong partner in Claremont's many energy efficiency efforts.

Claremont Electricity Mix by Source 2012



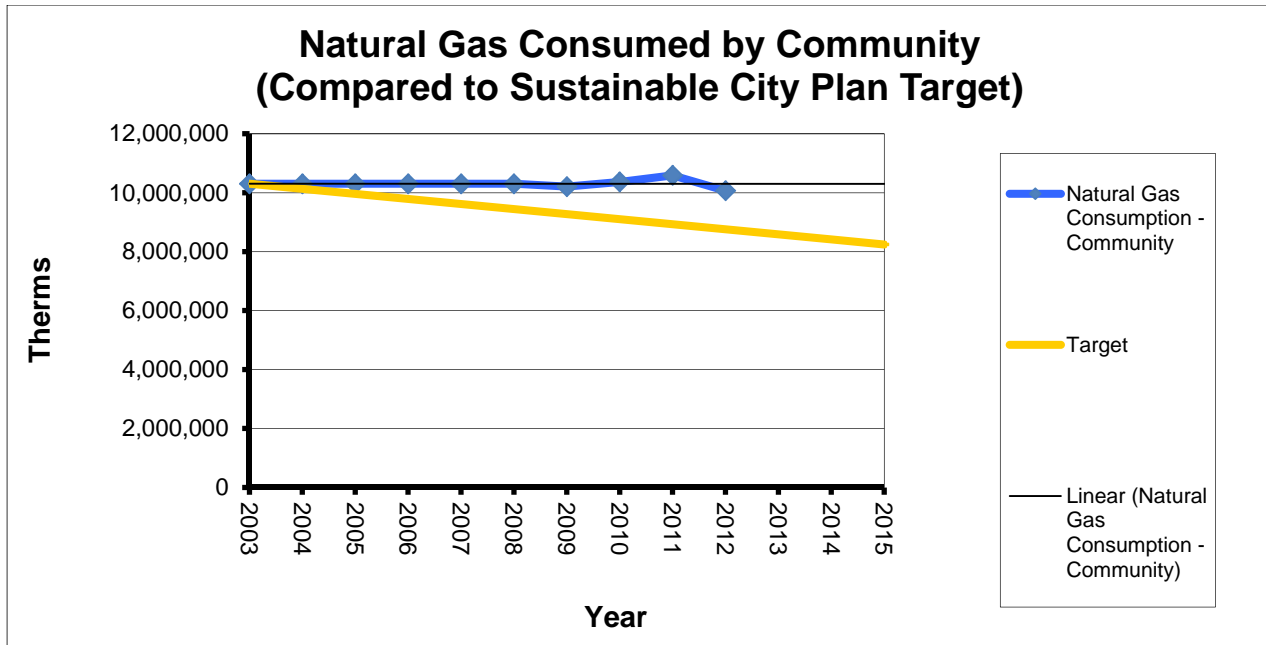
City Natural Gas Use:

The City has collected five years of data on total non-vehicle related natural gas used by the City; however, it has been difficult to identify any trends other than weather that significantly impact this sector of our utility use. Since natural gas is relatively cheap and represents a small portion of total energy used by the City, staff has not found most potential gas use reducing projects make less financial sense than water and electricity efficiency projects. City staff will get to these once other efficiency projects have been implemented.



Community Natural Gas Use:

Community gas use has held relatively stable with only minor fluctuations regarding weather. The CHERP program is an effective way for homeowners to reduce their gas use and, while it is still too early to know for sure, it may be partly responsible for recent drops over the last year. Nearly 130 homes had completed retrofits by the end of 2013.



- Claremont Home Energy Retrofit Program (CHERP)**

The City 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. Funding for the City and County incentives was provided through grants from the US Department of Energy under the American Recovery and Reinvestment Act (ARRA). The CHERP program has been extremely successful in Claremont with 87 homes completed in 2012. Participation rates in Claremont were approximately twenty times the average per capita participation rate of Los Angeles County. In 2012, the project resulted in the creation of approximately 25 local jobs, \$1,186,000 of investment in the local housing stock, and nearly \$362,000 in incentives being paid to Claremont homeowners.

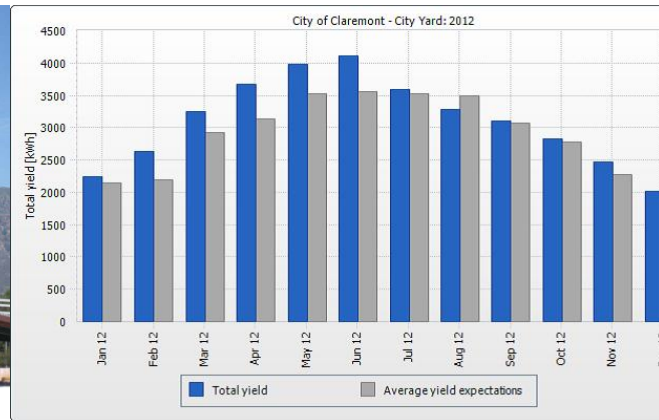




Goal 1.1.2 – Produce More Clean Energy Locally

City:

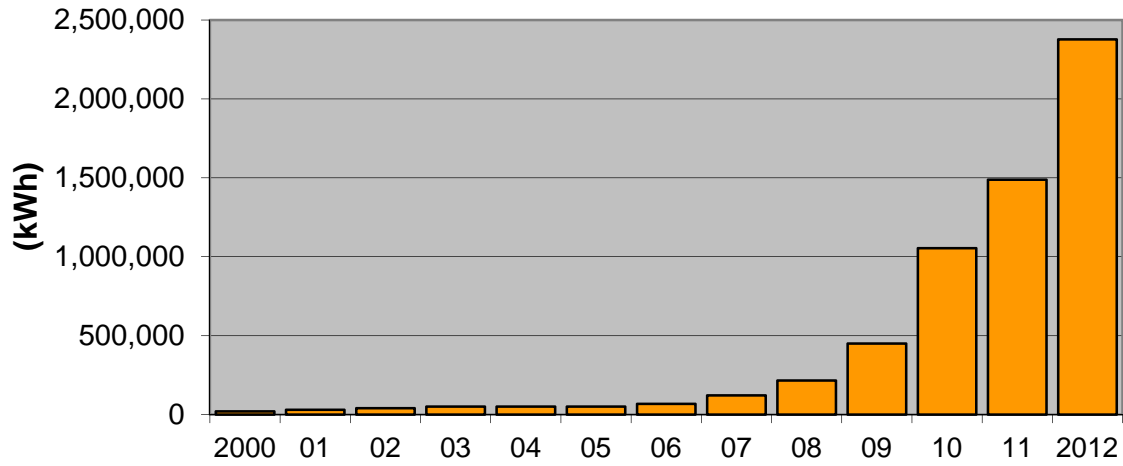
- The City installed a photovoltaic solar energy system on a large metal carport at the City Yard. The 20 kW (AC) system is now producing over 3,500 kWh per month, saving the City funds that would otherwise be paid to electricity bills. Total energy produced by this system in 2012 was 37,185 kWh.



Community:

- Claremont families installed new photovoltaic solar panels on 70 homes and 2 college buildings in 2012, the highest number for Claremont in a single year. These new systems will collectively generate approximately 888,000 kWh of clean electricity per year and will bring the total solar electricity production in the City to approximately 2.4 million kWh per year. There are now over 220 Claremont homes with photovoltaic solar systems in place. Despite this very impressive growth, solar still represents a small fraction (nearly 1 percent) of the total electricity consumed in the City.

Total Renewable Energy Citywide



Water

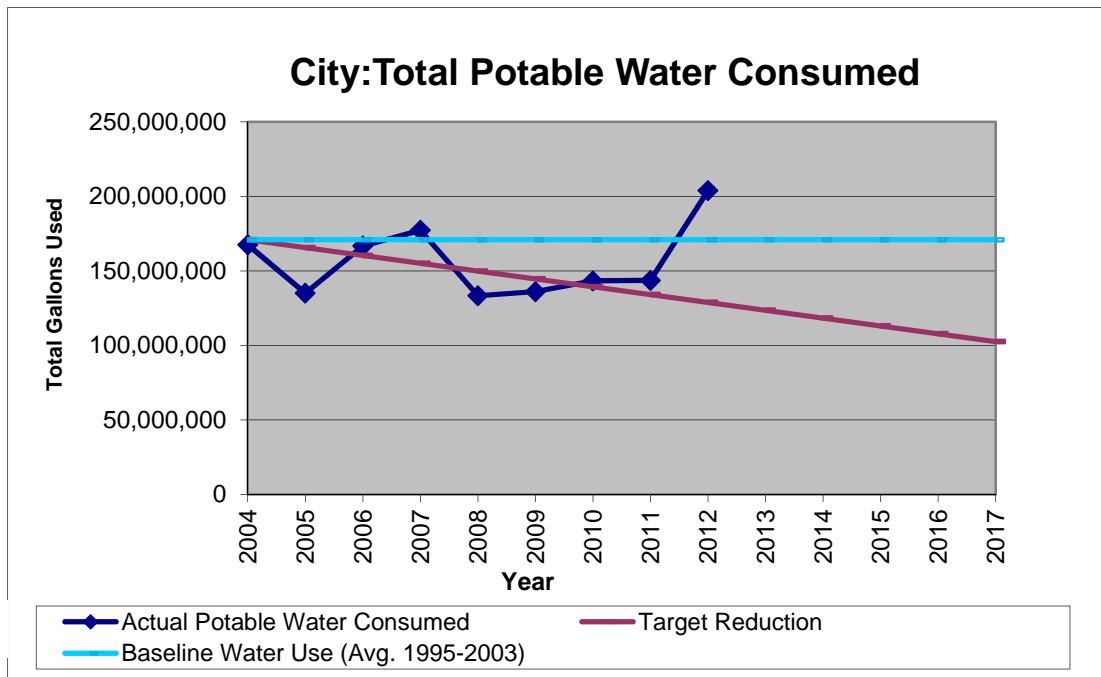
Goal 1.2.1 – Reduce Total Water Consumed by 20% by 2012 and 40% by 2017

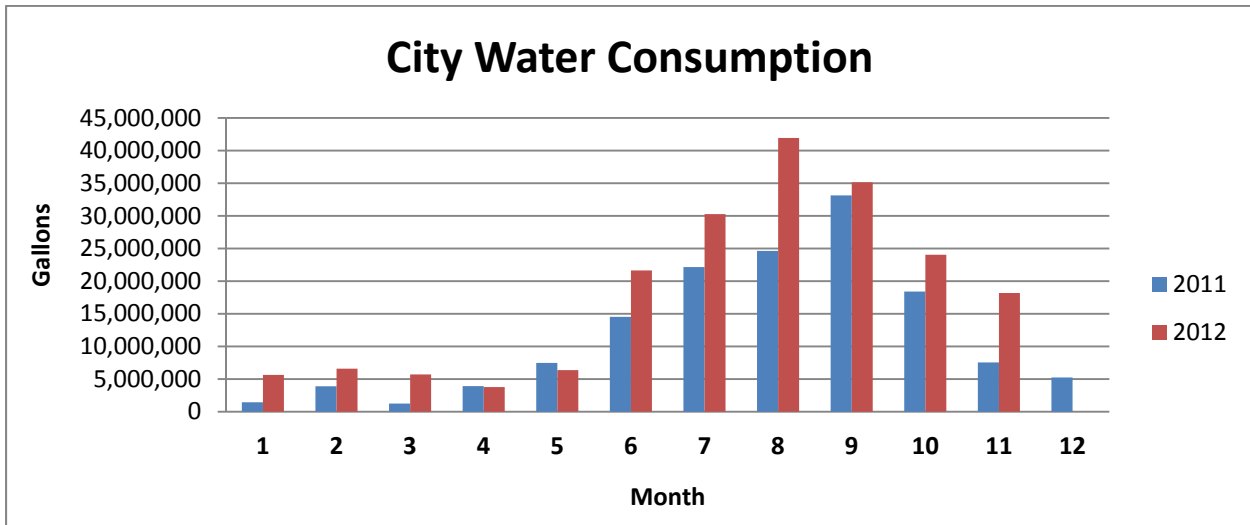
City:

- The City had a major setback in reaching its water conservation goals in 2012, with water use spiking nearly 40 percent over previous year. This was due largely in part to weather. 2012 was perhaps the driest year in 135 years. Local rainfall was less than half of historical averages and 100 plus temperatures extended well into October. In addition, the City undertook park and sports field rehabilitation projects designed to rebuild turf that had been damaged by deep cuts in water use in previous years. These projects require large amounts of additional water to get the turf established. In the prior four years, the City has done an excellent job and will continue to work to limit its water usage in all City facilities and landscapes to levels that are in line with our goals; however it appears that meeting these goals while maintaining sports fields that meet community standards will be a challenge. It is worth noting that consumption numbers include the water used to irrigate Padua Avenue Park, an 18 acre sports park that came on line in early 2010. Due to these factors, the City ended up increasing its water consumption by 32,977,907 gallons. This is 19% above the 1995-2003 baseline usage.
- 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 in the City.
- The City worked with Golden State Water and Three Valleys Municipal Water District to promote a Turf Removal Program. The City also promoted other conservation programs, including High Efficiency Toilets (HET), sprinkler nozzles, landscape irrigation controllers, and school education programs.
- The City accounted for roughly 4.6% of total water consumed community-wide in 2012.

City (Municipal Corp.) Water Consumption		
Baseline Average Use (Average 1995-2003)	170,923,984	Gallons/year
2012 Use	203,901,808	Gallons/year
% Change from baseline	19.3%	
% Change from 2011	42.0%	

Source of data: Golden State Water Company





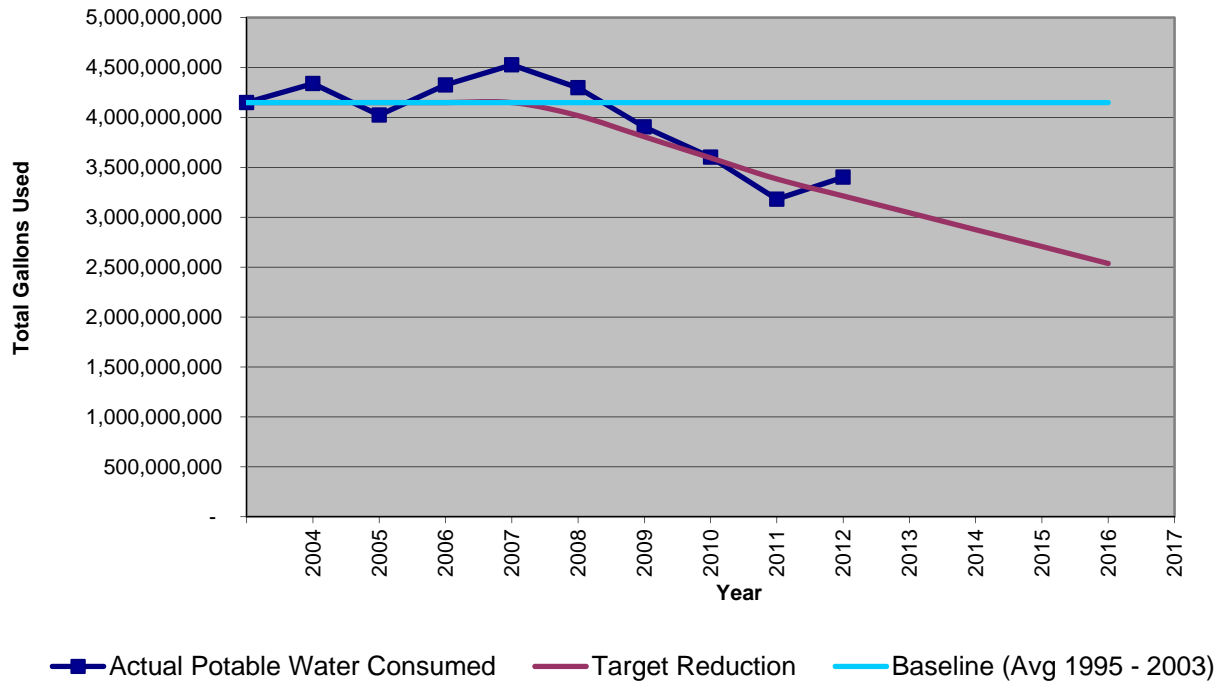
Community:

- 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 18% below the baseline. This puts the community close to its goal of a 20 percent reduction by the end of 2012 (see table below). It is believed that this increase was due to very hot and dry weather conditions in 2012 as opposed to changing water habits by the community. While this year technically fell short of the goal of a 20% reduction, the community arguably remains on course to achieve the water goals contained in the Sustainable City Plan.

Community-Wide Water Consumption		
Baseline Average Use (Average of 1995-2003)	4,148,816,000	Gallons/year
2012 Use	3,401,471,000	Gallons/year
% Change from Baseline	-18 %	
% Change from 2011	6%	

Source of data: Golden State Water Company

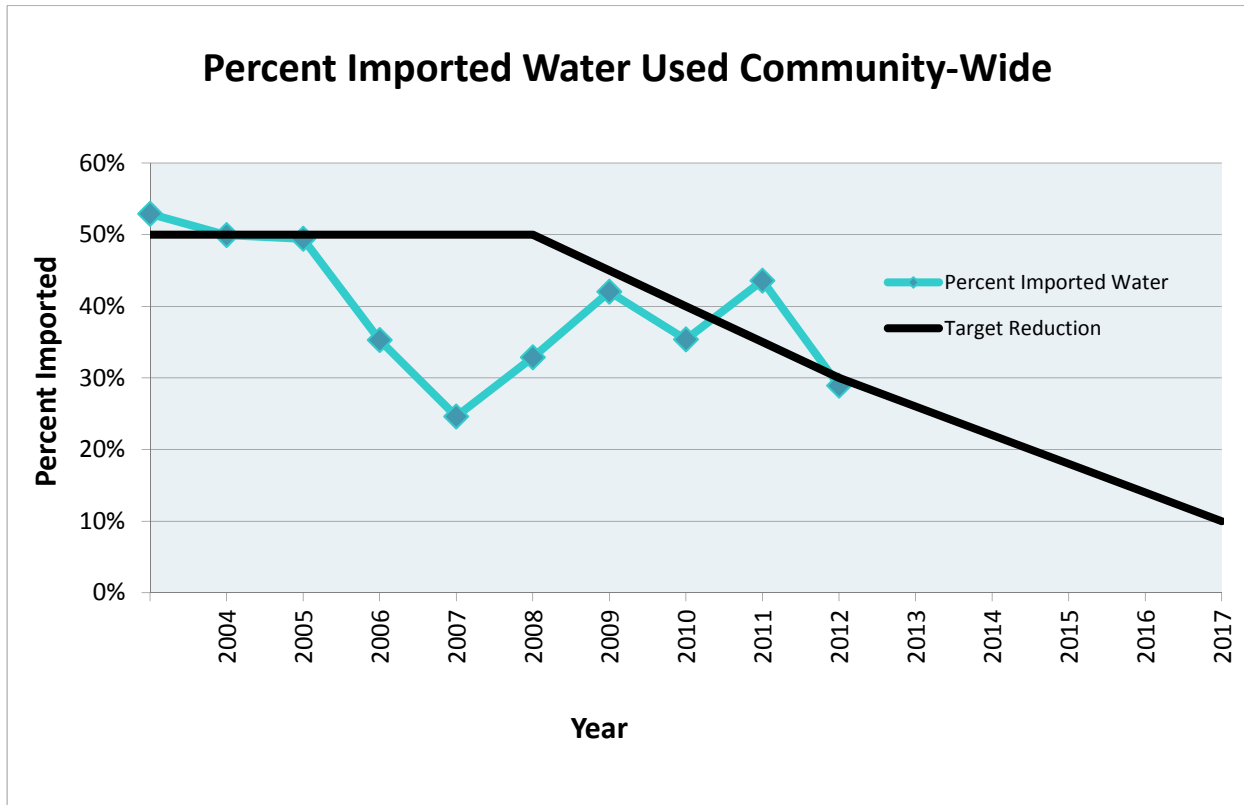
Community: Total Potable Water Consumed



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 from year to year based on a number of factors. Overall the community's use of imported water has declined from a high of 50% of total water consumed in 2003 to 32% in 2012. Currently, it appears that the Community 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 in 2010 that requires landscaping for new development projects 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 Planning Division staff. All new development and major re-landscaping projects have met these requirements.
- As described above, the City, through its 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 design, plant selection, and permitting requirements.
- Code Enforcement staff continues to implement the City's water conservation ordinance 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 and up to \$5,000 for commercial. In 2012, rebates were given to 79 homes, which totaled 155,013 sq. feet of turf removed and \$188,310 rebated to Claremont residents.
- Golden State water 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. See table below:

Conservation Program	2012	2011	2010	2009
Ultra High Efficiency Toilet Distribution	0*	472	799	324
High Efficiency Toilet Rebates	2			
Free Sprinkler Nozzles Voucher (Nozzles)	8,650			
Conservation Kits - Distributed	1,662	1,127	1,419	898
School Education Program (Students)	1171	608	620	574
Turf Removal Program (Reservations)	80	22	1	
Residential Audits	3	15	20	
Large Landscape Audits	5	26		
Commercial, Industrial and Institutional Audits	0	28		

*Programs which were suspended in August due to lack of funding

- 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:

- In line with regional trends related to the economy, the Claremont community increased total solid waste generated slightly from 2011 to 2012. However, the community has continued to improve its diversion rate, the amount of solid waste that is diverted from landfills and either reused, mulched, or recycled.

Goal 1.3.2 – Increase Amount of Composting and Mulching

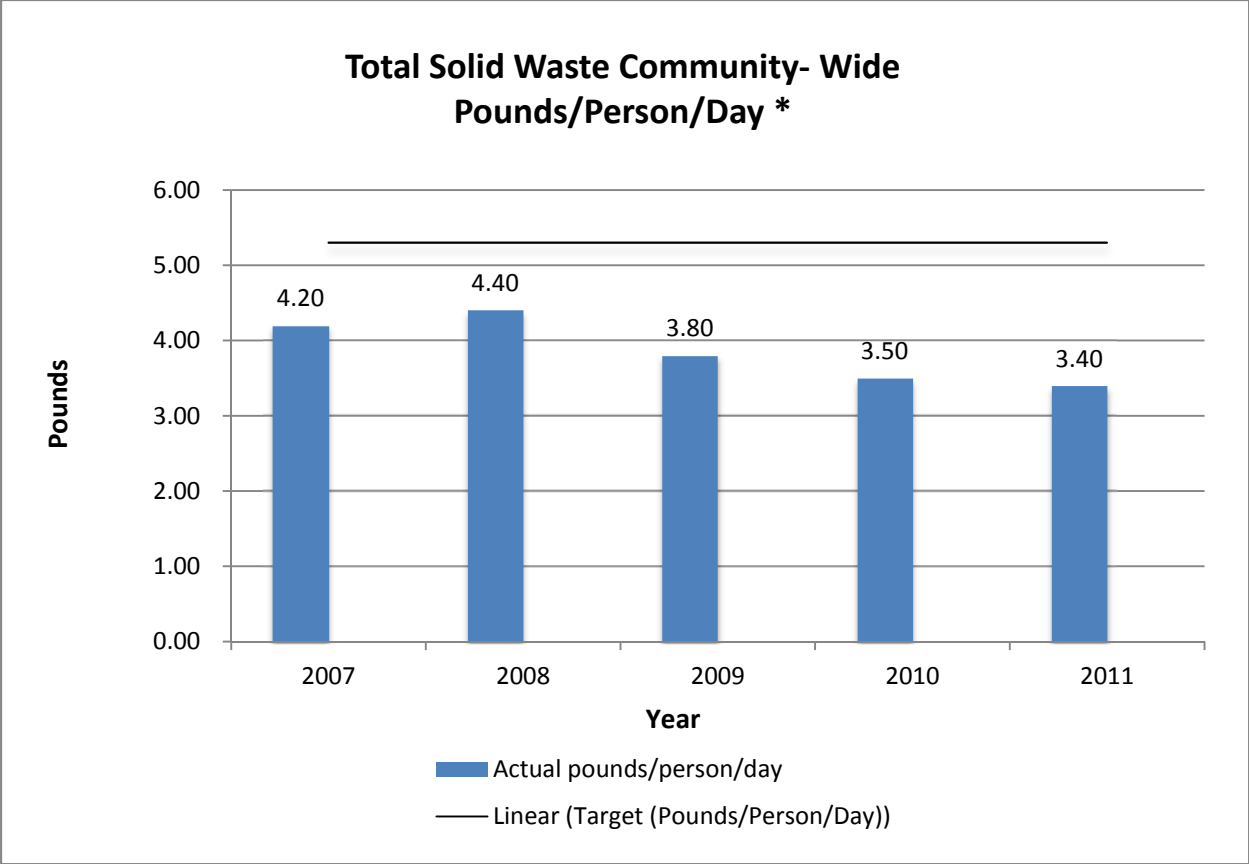
City:

- 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. The total volume of green waste recycled in 2012 was 7,420 tons.
- 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. The City held 5 free mulch distribution events throughout 2012.
- Total material recycled and mulched has grown from an average of approximately 500 tons/year in 2004-2007 to 15,000 tons/year in 2012.
- City staff, along with interested community members and college interns, studied a variety of alternatives for increasing composting in the City for possible implementation in the future.

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

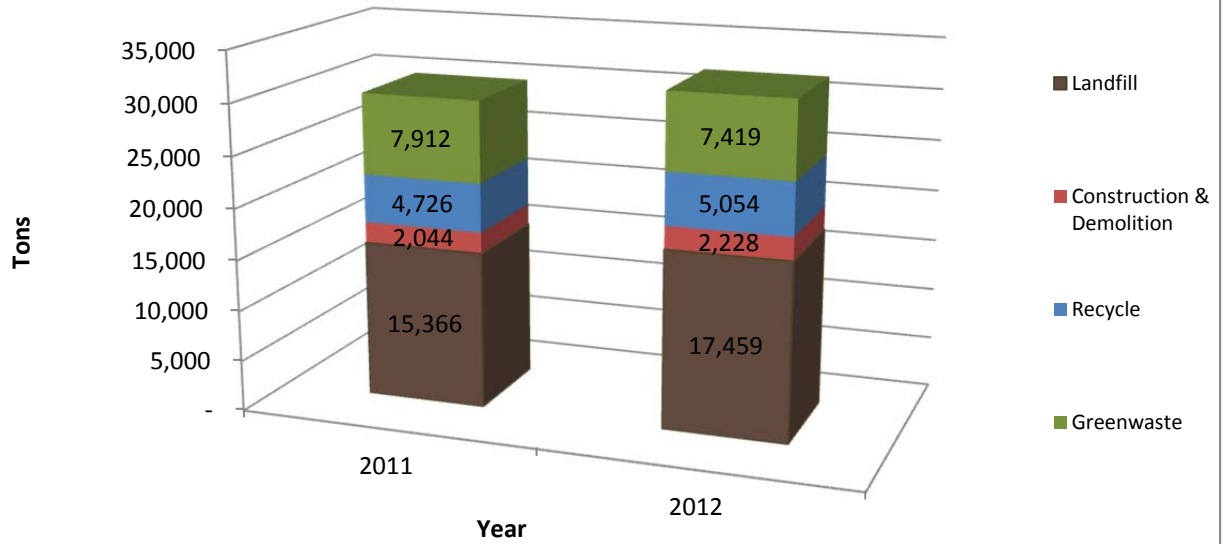
Community:

- 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.
- Greenwaste doubled from 4000 tons in 2011 to 7500 tons in 2012. This is diversion from landfill. Greenwaste made up 23% of total solid waste in 2012, down 3% from 2011.
- Recycling increased slightly in the community from 4700 tons in 2011 to 5000 tons in 2012. This is also diversion from landfill. Recycling made up 16% of total solid waste in 2012, the same as 2011.

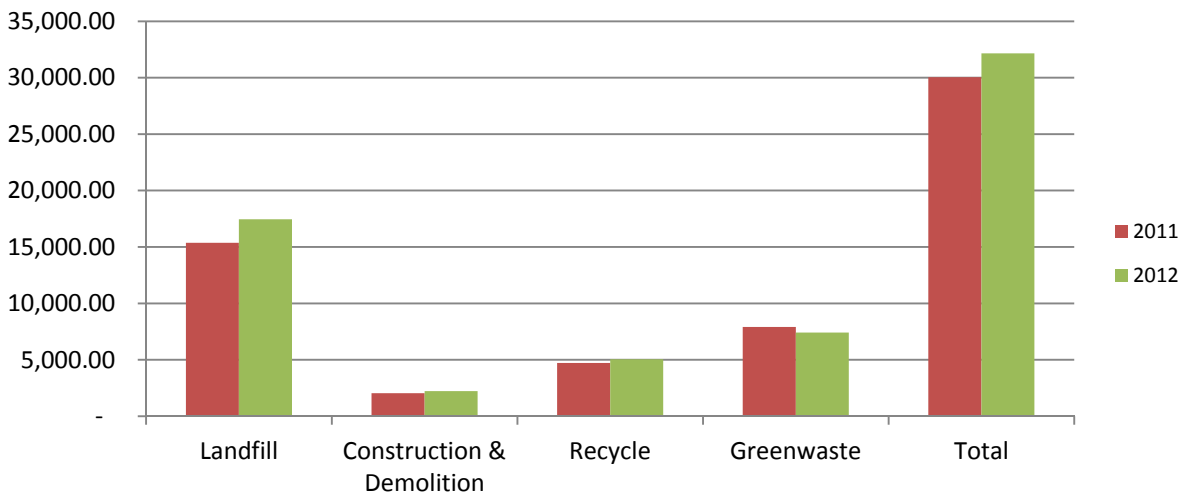


****New Metric Used in Claremont by CalRecycle, the State of California Agency charged with implementing solid waste regulations.***

Solid Waste Type as Part of Total 2011-2012



2011-2012 Solid Waste Tonnage by Type



Goal Area 2 – Environmental & Public Health

Goal 2.1 - Reduce Greenhouse Gas Emissions

City:

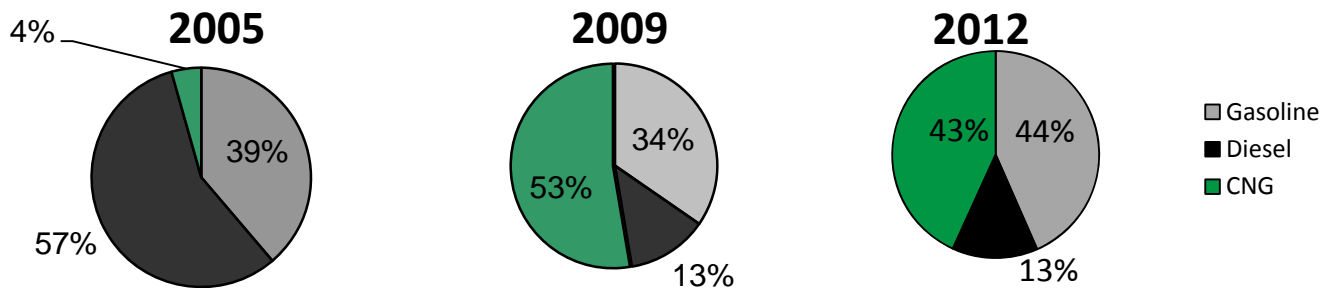
- The City began work on an analysis that will lead to adding a greenhouse gas metric to the Sustainable City Plan. Through the San Gabriel Valley Council of Governments, a consultant has been hired to develop a series of energy conservation strategies aimed at reducing greenhouse gas emissions in the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

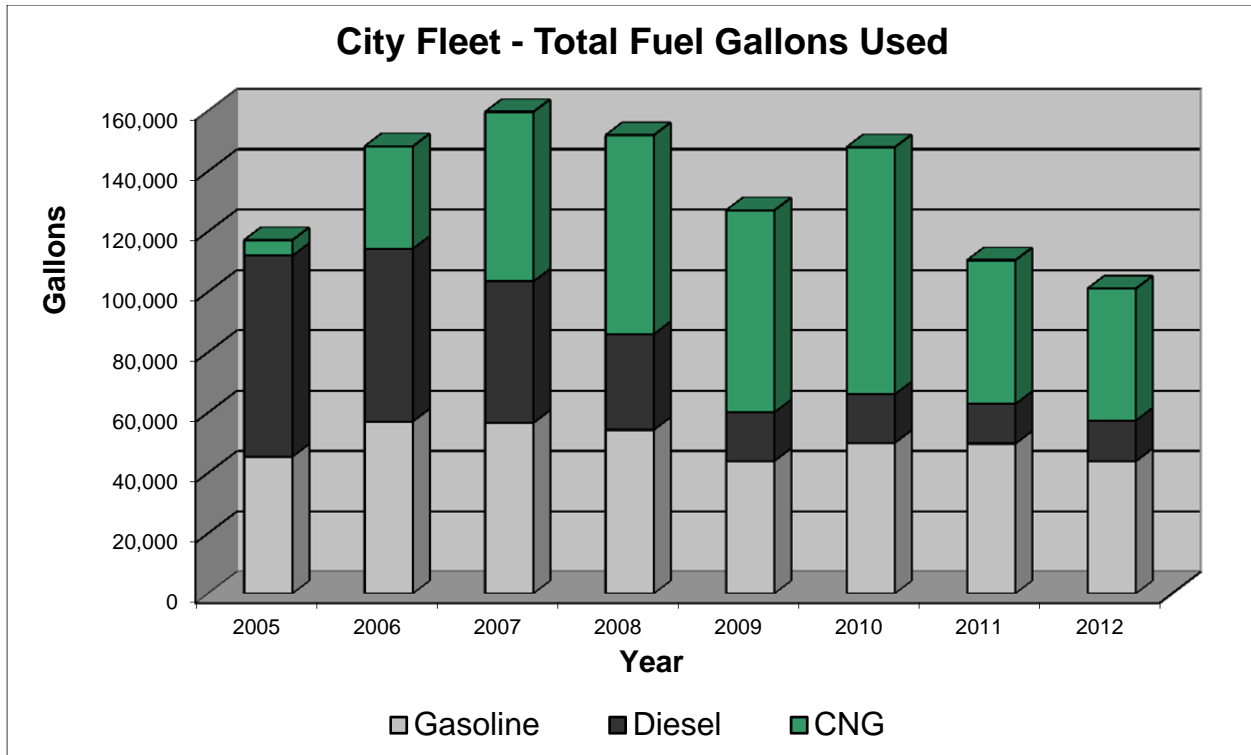
Goal 2.2 – Air Quality: Implement Air Quality Improvement Strategies Recommended by South Coast Air Quality Management District

City:

- Maintained a fleet of City vehicles that has largely been converted from Diesel and Gasoline to cleaner fuel types such as compressed natural gas (CNG) and gas hybrid vehicles. Total volume of fuels used (Gallons equivalent) declined by 8.5%.
- The City continued making its CNG fueling facility available to other entities such as the school district to help increase use of this cleaner fuel type.

City Fleet – Fuel Use by Type





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

City:

- The City contracted with Greenway Solid Waste and Recycling, Inc. to conduct door-to-door electronic waste collection, recycling, and disposal service within Claremont. Greenway collects, recycles and disposes most electronic waste including televisions, phones, DVD players, computers, and other electronic devices. Residents simply call for e-waste pick up, and a driver is dispatched within 72 hours to collect the waste from the residence.
- City introduced a new requirement into its custodial contracts that restricts cleaning products used in City facilities to those that are recognized by the US EPA Design for the Environment Program as well as requiring that all paper products contain a minimum 20% post-consumer material.
- The City supported formation of a new program where local businesses, including Hendricks Pharmacy, accept used batteries year-round.
- The Police Department hosted two Drug Take Back Events and 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 both February and June 2012, the City held its annual Household Hazardous Waste and E-Waste roundups 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. Using 8.5 less of all vehicle fuel types also remove large quantities of toxic byproducts from our air and environment.

Community:

- In addition to the City's two annual Household Hazardous Waste roundups, there were several 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 continued its support for and participation in the Claremont Farmers Market. The City considered an expansion of the Farmer's Market however, after extensive discussions, concluded that was not in the best interest of surrounding neighborhoods and businesses

Community:

- **Sustainable Claremont Garden Club:** Sustainable Claremont formed a garden club to allow for regular meetings, workshops and field trips for Claremonters to engage in their love of all types of gardening – including yard landscaping, orchards, vegetable gardens, and ornamental gardens. The group has had several excellent speakers and appears to be off to a great start.
- **Pomona College Organic Farm:** The Pomona College organic farm continued to provide fruits and vegetables for students and faculty and began holding monthly sales of their produce at the Smith Campus Center.

Goal 2.4 - Increase School District or Community Gardens

- **Claremont Unified School District:** The school district hired a school garden coordinator and greatly expanded the number of on-campus gardens. CUSD currently operates organic gardens at Vista Elementary, Oakmont Elementary, Sycamore Elementary, El Roble, San Antonio High and Claremont High. There appears to be strong interest from many students and their parents and the program is likely to be continued in future years.
- **Sustainable Claremont Schools Action Group:** This group worked extensively with school district staff and administrators regarding gardening projects and sustainable facilities. Major accomplishments included advocating for the hiring of the School Garden Coordinator and getting most of the local schools to participate in the 4th annual Earth Day Celebration.

Goal Area 3 – Transportation

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

City:

- The Claremont Bicycle/Pedestrian Advisory Committee started a 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 of Claremont utilized a \$356,530 in Federal Safe Routes to School (SRTS) grant to implement a bicycle and pedestrian safety education program at each of the Claremont's public elementary and intermediate schools. One of the major goals is to significantly increase the number of students who safely ride and walk to Claremont schools. The Claremont SRTS Program is a three year case study that includes classroom and outdoor bicycle and pedestrian safety training coordination with the Claremont Unified School District (CUSD), compilation of pre- and post-training surveys and site audits and the preparation of a Pedestrian and Bicycle Safety Plan. The pedestrian and bicycle safety training aspect of the program is nearing completion.
- The City's Bicycle/Pedestrian Advisory Committee and local pedestrian advocates continued to sponsor a group to encourage people to walk. The group: Claremont Get Walking organizes and promotes regular group walks through pedestrian friendly areas of the city.

Goal 3.2 – Pedestrian Enhancements

City:

- The city upgraded handicap ramps at Mountain Avenue between Foothill Boulevard and Base Line Road, Indian Hill Boulevard, between Foothill Boulevard to Base Line Road, and Indian Hill Boulevard between Oak Park and American Avenues.
- The City continued to maintain sidewalks throughout the City at a very high level.
- The City constructed an accessible path of travel from the public right-of-way at Mallows Park.
- Staff secured state Safe Routes to School funds to provide pedestrian facilities in the proximity of Vista del Valle, Sycamore, Danbury and El Roble.
- Indian Hill Accessibility project is scheduled to be constructed during summer 2013.

Goal 3.3 – Bicycle Enhancements

City:

- Volunteers from the Claremont Bicycle/Pedestrian Advisory Committee continued to conduct annual bicycle counts in the fall of 2012. This non-scientific survey indicates consistent levels of ridership from 2011 to 2012.
- The City upgraded its designation as a Bike Friendly Community from Bronze Level to Silver Level in recognition to city's efforts to improve bicycle conditions throughout the community. Claremont is the first city in Southern California to achieve Silver level designation.
- Bicycle Detection at signalized intersections: The City provided the most technologically accurate bicycle detection at signalized intersections within the Bicycle Priority Zone by installing video camera detection at key signalized intersections within preferred bike routes.
- CUSD adopted a Claremont Safe Routes to School curriculum to be used as a basis for the bike and pedestrian safety training. The program was implemented at 3 school sites in 2012.
- In response to CUSD's request that all students in the District receive bike and helmet safety training, a number of bikes were donated by Velo and a local cycling store and helmets were provided through the program. In addition, bike tune ups were provided by the SRTS consultant along with the Jax Bicycle Center manager, and a group of volunteers from the Claremont Bicycle/Pedestrian Advisory Committee and the Claremont Senior Bike Group.

- Bike Helmet Program - The Safe Routes to School consultant will continue to provide helmets to K-8th grade students who need them through grant funds.

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 received LEED Platinum Certification in 2012.

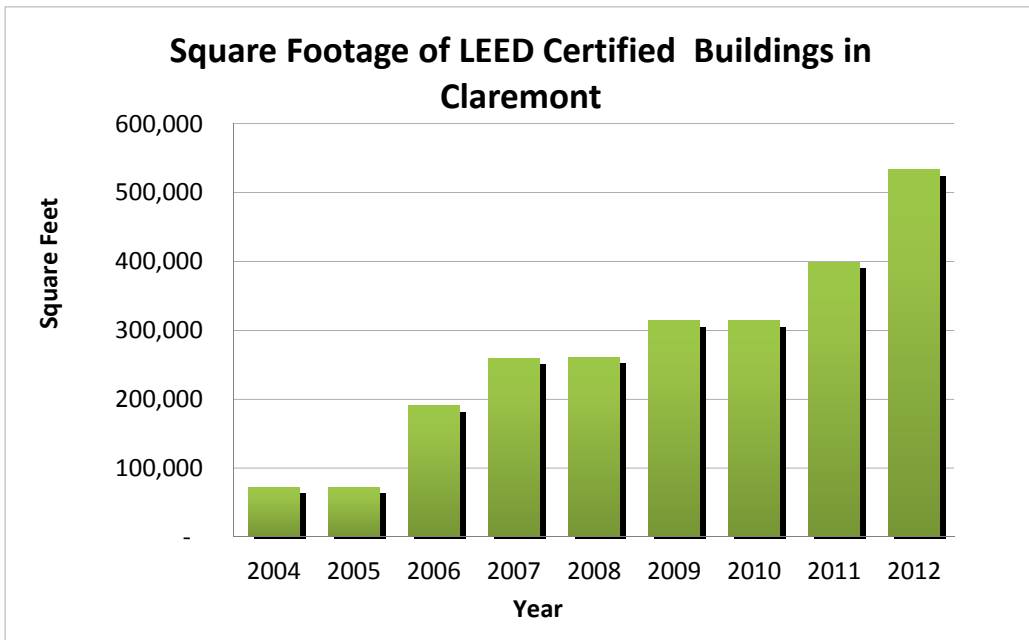
Goal 4.2 – All Major Private, Non-Residential Developments Certified LEED Silver

Community:

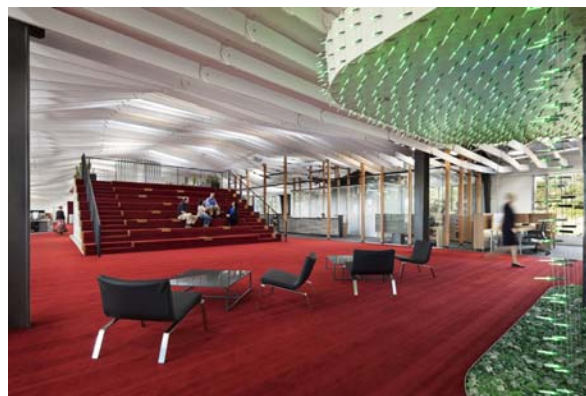
- From 2009-2012, all new non-residential construction with more than 20,000 square feet of habitable floor area was designed to meet LEED standards. All project developers have indicated that they are seeking LEED Certification for LEED Silver or higher for these projects.

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
Pilgrim Place	Recreation Building	23,000	Certified Level
Pitzer College	Residential Life Phase II	70,356	Platinum
Jamboree Housing	Affordable Housing Project (Courier Place Apartments)	85,635 (75 Units)	Platinum
Claremont University Center (CUC)	Administrative Campus	41,053	Platinum
Total Square Footage Certified		616,222	
Additional Projects Currently Seeking LEED Certification			
Harvey Mudd College	Teaching and Learning Building	69,977	<i>(Gold anticipated)</i>
Pomona College	Grounds Keeping Building	9,350	<i>(Gold anticipated)</i>
Pilgrim Place	Armistad Assisted Living Bldg.	22,600	<i>(Gold anticipated)</i>
Pilgrim Place	Residential Building	45,744	<i>(Gold anticipated)</i>
Claremont McKenna College	Fitness and Athletic Center	130,000	
Pomona College	Studio Art Hall	36,000	
	21 Choices Frozen Yogurt	1,080	
Total SF Registered for Certification		314,751	

- With 19 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. If all buildings that are seeking it, receive certification, the City will have approximately 938,617 square feet of LEED certified buildings.
- As discussed above under energy, residents increased production of solar electricity generated in the City by nearly 60% installing Photovoltaic systems on 70 homes and 2 large College facilities.
- Pilgrim Place retirement community has developed a LEED Silver level master plan, completed three LEED rated buildings and 2 that were completed in 2012 and currently awaiting LEED certification.
- Pilgrim Place has also committed to retrofitting nearly 100 homes on its campus with energy efficiency upgrades. The forward thinking retirement community has completed approximately 50 upgrades with an average modeled energy use reduction of 23 percent per home.



Claremont University Consortium Administrative Campus



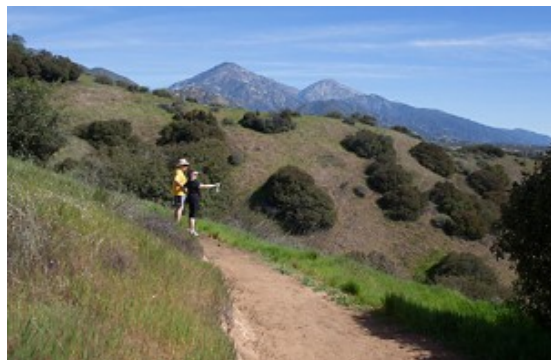


Pitzer College Housing Phase 2

Goal Area 5 – Open Space and Land Use

Goal 5.1 – Protect Natural Open Space

City:



- Maintained the 1,693-acre Claremont Wilderness Park and provided public access to this important community asset. The City began construction on an expanded parking lot to resolve parking issues at the entrance to the park.
- Completed the rehabilitation of the Sycamore Canyon Park Restoration Project. This 144-acre project included the phased removal of non-native Eucalyptus trees and replacement with native Sycamore and Oak trees.
- Completed the native landscaping project at Padua Avenue Park. Native landscaping was added to non-landscaped areas of the park, including existing parkways, planters, and borders. The plant palette includes Riversidean Alluvial Fan Sage Scrub (RAFSS) plantings that are native to the park site and 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 proposal continues to proceed through the federal approval process.

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:

- Approved architectural plans for 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 24,181 City trees (street trees and parks).
- The City won the National Arbor Day Association's "Tree City USA" award (28 years and running).

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. This project utilized volunteers to gather acorns from local native Oaks, propagated them with help from the Rancho Santa Ana Botanic Garden, planted the Oak seedlings in the Claremont Wilderness Park, and continue to 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 received LEED Certification at the Platinum level in 2012.

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 City’s register of historic structures; however the City has worked closely with Claremont Heritage in its efforts to educate the public on the wealth of significant mid-century modern buildings that are becoming eligible for listing on the register.
- In 2012, one new home owner was 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 staff continued to work to improve the local economy during difficult times. Those efforts included:

- Continuation of the Friday Nights Live in the Village.
- Worked with new property owners of Pepper Tree Square to secure a long-awaited renovation to this important retail Center.
- Worked with local property owners to fill vacant commercial properties by attracting new businesses to the City.

Community:

- The 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. The City's 4th of July Committee selected Sustainable Claremont as its honored community organization.
- **Earth Day Celebration** – City staff worked with citizen groups and local merchants to hold the third annual Earth Day Celebration on April 21, 2012. 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 third Annual Sustainability Report Card and presented the results at several public meetings.
- **Public Information** - The City's Sustainability Coordinator, Public Information Officer, and Community and Human 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, on the City website and in the local newspaper.
- **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. Accomplishments included a continuation of a monthly “Sustainability Dialog Series” as well as extensive volunteer support for Earth Day Celebrations and the Claremont Home Energy Retrofit Program (CHERP). This year the group introduced a monthly e-newsletter social outreach regarding sustainability events and issues in Claremont. Learn more about this organization through their website: www.SustainableClaremont.org.
- **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 building projects in Claremont, product stewardship, home energy retrofits, water-wise irrigation, and more. Attendance at these monthly lectures ranged from 30 to over 85.
- **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.
- **Leading Climate Scientist Visits Claremont** – Progressive Christians Uniting held a lecture series regarding prophetic faith that included leading NASA climate scientist James Hansen. The talk included over 400 attendees.

- **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 recognition in the City's 4th of July parade. 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 4th Annual Earth Day Celebration on Saturday, April 30, 2012 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 and Facebook Page** - Sustainable Claremont continued to populate its website (www.SustainableClaremont.org) and Facebook page (www.facebook.com/sustainableclaremont) with information on sustainability related topics and events.
- **Southern California Edison** held a public education forum regarding 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
- Began the process of updating the City's Sustainable City Plan

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.
- Completed the bulk of an energy efficiency chapter of a climate action plan and associated greenhouse gas inventory with assistance from technical consultant hired by the San Gabriel Valley Council of Governments.
- Tracked data related to energy retrofits on over 150 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.