



Scenic Pacifica
Incorporated Nov. 22, 1957

CITY OF PACIFICA

Climate Action Plan Implementation Report

September 2016

OVERVIEW

In July 2014, the City Council adopted a Climate Action Plan (CAP). The CAP was designed to be a blueprint of the community's response to the challenges posed by climate change. In addition to providing goals, the CAP lists measures to be implemented and actions that the City of Pacifica can take in order to achieve the goals. The City of Pacifica decided to take a leadership role and commit to reducing total community-wide emissions by 35 percent below 2005 levels by 2020, and 80 percent below 1990 levels by 2050 (Table 1).

Table 1. City of Pacifica Greenhouse Gas Reduction Targets with 2005 Baseline

Year	Projected Business-as-usual (GHG MTCO _{2e})	Reduction target emissions level	Required reductions (MTCO _{2e})
2005	183,090	--	--
2020	193,613	119,008	-74,605
2050	214,660	31,125	-183,535

* MTCO_{2e} refers to metric tonnes carbon dioxide equivalents

This CAP Implementation Report is intended to provide the City and the public with an overview of the progress associated with implementation of the CAP. The CAP Implementation Report describes the effort the City has made towards implementation of each measure and identifies areas where progress is still needed. This 2016 Implementation Report is the first implementation report to be prepared since the CAP was adopted in 2014. Therefore, the progress identified in this report will be used as a comparative baseline for future implementation reports.

The CAP identifies 15 greenhouse gas (GHG) reduction measures to address four emission sources, including energy, transportation and land use, solid waste, and water.

RESULTS

As further discussed below, the CAP outlines near-, mid-, and long-term measures. The CAP was adopted in 2014; therefore, it is appropriate to consider the progress of achieving goals identified for the near and mid-term. There are 13 near- and mid-term goals identified, of those, 10 are completed and/or on-going (77 percent), two are in progress, and one has not been started.

PROGRESS REPORTING METHOD

Planning Division staff reached out to representatives in each of the City's departments and requested each to identify how their department has contributed towards the implementation of the CAP GHG reduction measures. Responses from the departments were compiled and additional information was obtained as necessary for clarification. Additionally, City Council meeting agendas and minutes from July 15, 2014 to August 8, 2016 were searched using key phrases from the GHG reduction measures to identify any additional efforts made that would contribute toward the CAP.

Each measure was then assigned one of the following statuses.

- **Completed/On-going** – All implementation steps have been completed or are actively on-going.
- **In Progress** – Implementation steps are in progress but not yet completed.
- **Not Started** – Implementation has not commenced.

PROGRESS ON IMPLEMENTATION OF MEASURES

The progress of the implementation of GHG reduction measures is organized by implementation timeframes established in the CAP.

The reader should also note that the City of Pacifica participates in the Peninsula Clean Energy program (PCE). Peninsula Clean Energy purchases power from renewable energy resources, which directly reduces greenhouse gas emissions (GHG). PCE is currently in its first year of service and is being incrementally rolled out to the community. PCE was initiated after the CAP was adopted and does not fit squarely within one of the implementation measures below.

Near-term Measures

The nine near-term measures detailed in Table 2 are measures that were identified as easily implementable and provide a large benefit considering their low cost. These near-term measures were targeted to be completed in 0 to 2 years.

Table 2. GHG Reduction Measures Prioritized for Near-term Implementation

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.3.2	Commercial recycling ordinance. Mandate businesses recycling. (Support and enforce state law, require commercial recycling).	Contributes to higher diversion rate goal	Contributes to higher diversion rate goal	Completed (with State law) Commercial recycling is now mandatory in California. City of Pacifica partner agency provides outreach and educational materials to businesses.
4.2.1	Smart growth development. Establish a smart growth policy that prioritizes infill, high density, transportation- oriented and mixed-use development. Reward smart growth projects located less than ¼ mile from transit or ½ mile from shopping or jobs.	2,980	20,862	In-progress The Draft General Plan contains smart growth policies. The City Council directed staff to obtain additional community feedback prior to considering adoption. The draft 2016-2017 City Council Work Plan contains direction to apply for a Priority Development Area designation in 2017. The Council will consider approving the updated Work Plan in October 2016.
4.3.1	Set higher diversion rate goal. Achieve 75 percent diversion by 2020 community-wide. Actions include increasing participation in recycling programs and ensure weekly collection of recyclables and organic waste. To achieve this, Pacifica has approved a new solid waste management contract to establish comprehensive commercial and residential recycling, compost and solid waste management programs.	1,287	9,009	Completed The City's partner agency, Recology of the Coast, recorded a diversion rate of 75 percent in 2014 in Pacifica. Recology of the Coast implements and promotes resource recovery to reduce the amount of waste that is placed in a landfill, with the overall goal to make the best and highest use of all resources that are manufactured, consumed, discarded and re-manufactured.

Table 2. GHG Reduction Measures Prioritized for Near-term Implementation (Continued)

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.4.1	<p>Water conservation ordinance</p> <p>Adopt the Bay Area Water Supply and Conservation Agency’s indoor and outdoor ordinances. The new CalGreen standards that went into effect on 1/1/2014 contain increased water conservation requirements for all new construction, additions, and remodels. Pacifica was also required to adopt the state’s “model water efficiency ordinance,” which applies to newly landscaped areas of 2,500 square feet or greater. To achieve all the reductions in this measure, Pacifica will consider extending this existing outdoor landscaping ordinance to all newly landscaped areas (regardless of size).</p>	1,146	8,021	Not Started
4.2.2	<p>Safe routes to schools</p> <p>Establish bike trails and safe pedestrian routes to local schools (infrastructure). Encourage school districts to investigate staggered school start times to reduce rush-hour traffic and to develop a car-pooling incentive program.</p>	356	2,492	<p>Completed and On-going</p> <p>The City was awarded a grant for the Warning Lights School Crosswalk Project. This project entailed installing warning lights, warning signs and thermoplastic striping on crosswalks at five locations within the City, including:</p> <ol style="list-style-type: none"> 1. Vallemar School on Reina Del Mar Avenue and Riechling Avenue 2. Ortega School on Lerida Way and Poplar Avenue 3. Ingrid B. Lacy Middle School on Palmetto Avenue and Shoreview Avenue (two crosswalks installed at this location) 4. Terra Nova High School on Terra Nova Boulevard and Everglades Drive. <p>Work was completed in May 2015.</p>

Table 2. GHG Reduction Measures Prioritized for Near-term Implementation (Continued)

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.4.1	<p>Water conservation incentives</p> <p>Promote existing and/or new rebates for water efficient appliances and fixtures.</p>	344	2,406	<p>Completed and On-going</p> <p>The City's partner agency, NCCWD promotes various water conservations incentive programs, which include:</p> <ol style="list-style-type: none"> 1. Free Water-Wise School Education Kit Program for 5th grade students. The kit enables the students to install water saving devices and perform a water audit in their home. 2. Provides free water conservation tools. 3. Hosts a water wise garden contest. 4. Promotes various rebate programs that support water conservation.
4.2.2	<p>Improve public transit service</p> <p>Increase shuttle service within city limits to connect areas not covered by public transit. Seek funding, including Measure A dollars, for local shuttles to and from key Pacifica locations to Colma BART. Encourage increased ridership</p>	46	321	<p>Completed and On-going</p> <p>The City of Pacifica has limited authority over public transit which is provided by SamTrans, a regional agency. The City participates in planning and implementation efforts through SamTrans and the San Mateo County Transportation Authority.</p> <p>SamTrans introduced a flexible route pilot project in Pacifica in 2014. The flexible route travels around the Linda Mar district. Customers are able to arrange for direct service within one-half mile of the route. SamTrans indicates that the route has been very popular and has increased ridership.</p> <p>A link to the SamTrans bus route map is available on the City's website.</p>

Table 2. GHG Reduction Measures Prioritized for Near-term Implementation (Continued)

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.1.2	<p>Participate in Energy Upgrade Program and promote existing rebates (PG&E, state, federal)</p> <p>City will provide or encourage, residential and commercial energy audits and retrofits</p>	11	77	<p>Completed and On-going</p> <p>Existing city outreach efforts, including events hosted by Parks, Beaches and Recreation Department, Connect with Pacifica and social media accounts are used to regularly market and inform residents of the benefits and current financial assistance available for energy audits and retrofits.</p>
4.1.3	<p>Energy efficiency in municipal buildings</p> <p>Audit city facilities for additional energy efficiency opportunities and implement energy efficient retrofits. Participate in San Mateo County Energy Watch and leverage benchmarking to identify opportunities for efficiency upgrades and tracking energy performance.</p>	10	70	<p>Completed and On-going</p> <p>Light fixtures at the community center, fire department Station 72, fire department building, Sanchez library, police department, City Hall, Planning/Building/PB&R building, Sharp Park library, Fairmont West daycare, corporate yard, Fairmont recreation, preschool, Public Works building were replaced in 2014.</p> <p>City staff has been in communication with San Mateo Energy Watch regarding providing their services to the community. This communication will lead to an opportunity to audit City-owned facilities to identify energy efficient upgrades and tracking energy performance.</p>
TOTAL REDUCTION ACHIEVED		2,054	14,375	
TOTAL REDUCTION GOAL		6,180	43,258	
PERCENT OF GOAL ACHIEVED		33%	33%	

Mid-term Measures

The four mid-term measures detailed in Table 3 are measures that were identified as requiring longer to implement but will yield a more significant GHG emission reductions. These mid-term measures were targeted to be completed in 3 to 5 years.

Table 3. GHG Reduction Measures Prioritized for Mid-term Implementation

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.2.3	<p>Efficient fleet policy</p> <p>Adopt sustainable purchasing policy to require purchase of efficient vehicles and low-emission government vehicles. Maintain existing vehicles for optimum mileage. Establish government operations idling policy. Retire underused and less efficient fleet vehicles. Partner with City Car Share to integrate plug-in electric vehicles into the fleet vehicle pool.</p>	155	775	<p>In-Progress</p> <p>The City has a maintenance program for all City vehicles and performs quarterly inspections on 18 heavy-duty vehicles.</p> <p>The City has two hybrid vehicles to supplement the fleet.</p> <p>The City purchases efficient vehicles and low-emission vehicles as appropriate, and retires underused and less efficient vehicles as soon as possible.</p>
4.2.1	<p>Walkable/bikeable street landscape</p> <p>Remake urban landscape to make walking and biking more desirable, for example, create bike lanes, bike parking, traffic-calming beautification trails, and so on.</p>	46	230	<p>Completed and On-going</p> <p>The City Council adopted and staff enforces the Complete Street Policy to improve roadway for all modes of transportation including pedestrian, and bicycle networks.</p> <p>The Palmetto streetscape design recommendations approved by City Council on August 8, 2016 include north and south bound bike lanes, bike racks and traffic calming corner bulbs.</p>

Table 3. GHG Reduction Measures Prioritized for Mid-term Implementation (Continued)

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.1.3	Energy efficient street lighting ¹ Replace remaining street and signal lights and park and parking lot lighting with efficient lighting (LEDs, induction, etc).	37	37	Completed and On-going Lighting has been replaced with LEDs throughout the City.
4.1.2	Encourage solar energy installation Encourage residents to install solar photovoltaic and hot-water systems.	88	441	Completed and On-going Pacifica adopted the CaliforniaFIRST PACE Program in March of 2010 which provides property owners with funding for authorized energy and water efficient improvements. Property owners can use the money to make the authorized improvements and help reduce greenhouse gas emissions and water use. On September 26, 2016, City Council will consider the adoption of additional resolutions to allow multiple PACE programs to operate in the city, increasing options for property owners. In October 2015, the Council adopted streamlined permitting process for small residential rooftop solar energy systems (PMC Sec. 8-4.04).
TOTAL REDUCTION ACHIEVED		171	708	
TOTAL REDUCTION GOAL		326	1,483	
PERCENT OF GOAL ACHIEVED		52%	48%	

¹ Street lighting upgrade occurs once (rather than annually), so the total GHG savings in 2020 are the same as in the first year of implementation.

Long-term Measures

The two long-term measures detailed in Table 4 are measures that were identified as having the potential to be more costly or take a longer time to implement. These long-term measures were targeted to be completed in 5 or more years.

Table 4. GHG Reduction Measures Prioritized for Long-term Implementation

Section	GHG Reduction Measure And Description	Annual GHG Reduction Potential (MTCO ₂ /Year)	Cumulative GHG Reduction by 2020 (Total MTCO ₂)	Status and Comments
4.3.1	Establish a zero-waste policy Establish a policy for Pacifica municipal operations to achieve 75 percent diversion by 2020 and zero waste rate by 2030.	71	213	No Started
4.2.3	Preferred parking policy Set up during planning reviews that new or redeveloped commercial spaces establish preferred plug in parking spaces.	5	14	Not Started
TOTAL REDUCTION ACHIEVED		0	0	
TOTAL REDUCTION GOAL		0	0	
PERCENT OF GOAL ACHIEVED		0	0	

EDUCATION AND OUTREACH

The CAP identifies that in order to mobilize a community towards a GHG emission goal, significant community outreach would be required (Table 5). The CAP does not identify a timeline for the implementation of these actions

Table 5. Community Outreach Actions

No.	Action
1	Form Climate Action Plan Committee
2	Educate Pacificans about the Significant Environmental Impacts of Consumption
3	Work on the Low Carbon Diet Program
4	Launch and Maintain a Website to Both Educate the Public and Track Pacifica's Progress to Meeting its Community-wide Emission Reduction Targets
5	Launch a Coordinated Education and Outreach Campaign
6	Promote a Pacifica Climate Action Pledge