

City of Calistoga

Staff Report

TO Honorable Mayor and City Council
FROM Lynn Goldberg, Planning and Building Director
DATE August 16, 2016
SUBJECT Update on Climate Action Plan Implementation

APPROVAL FOR FORWARDING:



Dylan Feik, City Manager

ISSUE: Implementation of Calistoga Climate Action Plan

RECOMMENDATION: Receive report from staff and provide direction as necessary

BACKGROUND: The California Global Warming Solutions Act (AB32) created a comprehensive, multi-year program to reduce greenhouse gas (GHG) emissions in California to 1990 levels by 2020 – a reduction of approximately 30 percent. The AB32 Scoping Plan identifies 15% below 2005–2008 GHG levels as the local government equivalent of 1990 emissions levels, to parallel the State’s target. The City Council adopted a local greenhouse gas emissions reduction target of 15% below the community’s 2005 emission levels by 2020 in order to mitigate the adverse effects of climate change.

Working with the Calistoga Green Committee, staff prepared a Calistoga Climate Action Plan that includes 41 actions intended to work towards reducing communitywide GHG emissions. The GHG mitigation measures are organized into four areas: transportation; energy efficiency and renewable energy; carbon sequestration; and community engagement and advocacy. The Council adopted the Calistoga Climate Action Plan on April 1, 2014.

DISCUSSION: Attachment 1 summarizes progress that has been made on implementing each of the Plan’s actions. Much of the effort has been focused on promoting alternatives to personal vehicle use, such as bicycling, walking and transit.

The reduction of transportation-related emissions is a top priority because transportation currently generates nearly half of local GHG emissions and the greatest emissions increase under the Plan's "business as usual" scenario (i.e., without reduction actions) would come in the transportation sector.

Other significant efforts undertaken since the Plan's adoption include the evaluation of providing renewable energy generation for the City's swimming pool, and water and wastewater treatment plants; and the implementation of an extensive water conservation program, which has reduced energy usage. The City also became a member of Marin Clean Energy in order to provide the community with electricity that has a greater share of renewable energy sources than PG&E.

Staff future efforts will continue to be focused on implementing alternative transportation actions, such as construction of additional Vine Trail segments, and identifying funding for renewable energy generation for City facilities.

ATTACHMENTS

1. Summary of Climate Action Plan implementation

Calistoga Climate Action Plan

Objectives:

- Establish a baseline inventory of community emissions and sets an emissions reduction target.
- Outline a set of reduction strategies that will help the City work towards its greenhouse gas (GHG) reduction targets.
- Establish a plan for implementation of the GHG reduction strategies.

Adopted: April 1, 2014

Emissions Reduction Measures	Implementation since Plan Adoption
Transportation	
T-1 A Maximize bicycle parking at appropriate locations throughout the community.	<ul style="list-style-type: none"> • Installed bicycle parking at all City facilities and throughout the downtown • Required bicycle parking at the Calistoga Family Apartments and Calistoga Senior Apartments projects
T-1 B Implement the Active Transportation Plan, including the provision of multi-use paths, bicycle lanes, bicycle routes and river crossings.	<ul style="list-style-type: none"> • Completed construction plans for Fair Way extension pathway • Constructed segment of Napa Valley Vine Trail as part of the Indian Springs expansion • Required construction of Vine Trail segment across Sunburst Hotel frontage • Negotiated easement for walkway along Napa River between City parking lot and AT&T building • Planning underway for eventual relocation of Berry Street Bridge temporary cyclist/pedestrian bridge over river between Pioneer Park and downtown • Inventoried Class III bike route signage and secured funding for additional signs
T-2 A Encourage and support efforts by Napa County Transportation Authority to provide convenient and affordable transit to and within Calistoga.	<ul style="list-style-type: none"> • Maintained the County's fixed-route VINE bus system that provides daily transit service from five stops in Calistoga to locations throughout the county, as well as connections to transit in Solano County, BART and the San Francisco Ferry • Maintained the on-demand Calistoga Shuttle service within Calistoga, which has a \$1 fare. The

		Shuttle connects with the VINE transit service.
T-2 B	Make bus schedules available. Encourage Napa County Transit to keep bus stops clean, attractive and well-lit, preferably with solar lights.	<ul style="list-style-type: none"> • Provided bus schedules • Notified Napa County Transit about any problems with local bus stops
T-3 A	Develop a park-and-ride facility.	No actions taken
T-4 A	Require proposed projects that will have a large number of employees to submit a comprehensive plan detailing actions to reduce single-person vehicle usage by employees.	Calistoga Chamber of Commerce launched the Employee Shuttle Program to provide bus transportation for employees within Calistoga
T-5 A	Encourage local visitor accommodations to provide bicycles and shuttle service to guests, and to promote use of the Calistoga Shuttle.	<ul style="list-style-type: none"> • Multiple visitor accommodations provided bicycles to guests. • Most visitor accommodations promote use of the Calistoga Shuttle.
T-6 A	Support local food production, farmers markets and “buy local” campaigns.	<ul style="list-style-type: none"> • Implemented City’s “right to farm” requirements • Provided a site for a local farmers market
T-6 B	Support the provision of resident-serving retail and services.	No such projects have been proposed since Plan adoption.
T-7 A	Promote housing types that are desirable to local workers.	Calistoga Family Apartments project for farmworker households completed
T-8 A	Prevent greenfield development.	<ul style="list-style-type: none"> • Maintained urban growth boundary • Collaborated with local agencies to ensure that unincorporated areas remain primarily non-urban.
T-8 B	Maintain a compact downtown.	Approved wine tasting rooms in the downtown, thereby avoiding the need for customers to drive to distant locations and reducing transportation emissions
T-9 A	Consider fuel efficiency in the design of the local street network and right-of-way	Worked on signalization of Petrified Forest/Foothill intersection, which will reduce GHG emissions from idling vehicles

	controls at intersections.	
T-9 B	Encourage Caltrans to monitor and adjust traffic controls as needed to minimize idling.	No actions taken. Adjusting the traffic signal to minimize idling by vehicles on Lincoln Avenue would have negative consequences for Washington Street cross traffic as well as reduce traffic stream breaks on Lincoln that are needed to provide egress from businesses.
T-9 C	Establish and enforce anti-idling policies for City vehicles and drivers.	No actions taken
T-10 A	Work with other agencies to provide an alternative truck route to Lincoln Avenue.	No actions taken
T-11 A	Provide public parking lots throughout the downtown.	Two formal parking lots and one temporary lot are provided
T-11 B	Install signs that clearly direct visitors to public parking areas.	An intern inventoried existing signs and provided recommendations on an enhanced signage program
T-12 A	Support the installation of electric vehicle charging stations.	Applied for grant funding to install charging stations at Police Department parking lot
T-12 B	Purchase City-owned vehicles powered by renewable energy sources where feasible	Purchased an electric utility terrain vehicle in 2014
T-13 A	Provide bicycles for City employees to use for City operations.	Continued to provide bicycles for City employee use
T-13 B	Provide secure covered bicycle parking for City employees to encourage bicycling to work.	Relocated City Hall bicycle parking to covered area
Energy Efficiency and Renewable Energy		
EE-1 A	Facilitate participation in loan programs for energy-efficiency and water conservation improvements in existing buildings.	Continued participation in the CaliforniaFIRST and HERO programs, which provide loans to property owners to finance the installation of energy- and water-efficient improvements

EE-1 B	Discourage the use of decorative exterior lighting.	Discouraged decorative exterior lighting during the design review process
EE-2 A	Enforce the State’s water-efficient landscape standards for new and rehabilitated landscaping.	Ensured compliance with State standards by reviewing landscape and irrigation plans
EE-2 B	Promote the use of reclaimed water generated by the local wastewater treatment plant.	Continued to seek potential additional reclaimed water users
EE-2 C	Install water-efficient landscaping and irrigation where feasible at City facilities. Maintain irrigation systems at municipal facilities for proper watering cycles.	<ul style="list-style-type: none"> • Replaced lawn in front of Police Department with water-efficient landscaping and irrigation • Maintained proper irrigation at municipal facilities
EE-3 A	Support the use of geothermal energy and heat-exchange technology.	<ul style="list-style-type: none"> • Indian Springs installed heat exchangers as part of their expansion project • Worked with owner of Roman Spa to incorporate geothermal energy for proposed expansion project
EE-3 B	Facilitate participation in loan programs for renewable energy generation.	Continued participation in the CaliforniaFIRST and HERO programs, which provide loans to property owners to finance the installation of energy- and water-efficient improvements
EE-4 A	Incorporate energy-efficient measures in the replacement and upgrading of municipal facilities.	Incorporated energy-efficient measures in reconstruction of the Monhoff Center
EE-5 A	Explore the feasibility of heating the City pool with energy generated by photovoltaic or geothermal resources.	<ul style="list-style-type: none"> • Evaluated the feasibility of installing photovoltaic systems at City facilities • Pursuing their installation at water treatment and wastewater treatment plants. • Exploring installation of a solar thermal water heater is being for the community pool.
Carbon Sequestration		
CS-1 A	Protect existing trees to the maximum feasible extent.	Protected trees where feasible during building permit and design review process

CS-1 B	Require the replacement of trees that are removed by development projects.	Required tree replacement at a 3:1 ratio or payment of in-lieu fee where infeasible
CS-1 C	Require the planting of street trees as part of development projects, and plant and replace removed trees along streets.	Required street tree planting for Calistoga Family Apartments, Indian Springs expansion and Calistoga Senior Apartments projects
CS-1 D	Require the planting of parking lot shade trees by development projects and plant shade trees in City-owned parking lots.	Replaced trees in Police Department parking lot
CS-2 A	Ensure the preservation of open space through the entitlement review process.	Building envelopes were required for the lots in the White Parcel Map, thereby preserving the remaining areas in open space
CS-1 B	Seek to establish permanent open space easements over forested areas and significant habitats through such means as the purchase of development rights.	Required 30-foot wide easements along the Napa River for the Calistoga Family and Calistoga Senior Apartments projects that limit improvements to trails and habitat enhancements
Community Engagement and Advocacy		
CE-1 A	Assist in the sponsorship of community events and campaigns that address global warming and promote renewable energy.	City's Sustainability Coordinator assisted with launch of Marin Clean Energy as community's electricity provider
CE-1 B	Disseminate City web site postings, correspondence, reports, news releases, brochures, fact sheets, opinion pieces, advertising, etc., to aid in the implementation of GHG reduction measures.	<ul style="list-style-type: none"> Established Conserve Calistoga web site and Facebook page, which provide extensive information on water conservation tips, rebates, and water-saving resources. Ran ads in local newspapers with this information.
CE-2 A	Support improvements to state-owned roads that encourage non-motorized transportation.	<ul style="list-style-type: none"> Constructed segment of Napa Valley Vine Trail as part of the Indian Springs expansion Required construction of Vine Trail segment across Sunburst Hotel frontage

CE-2 B Participate in regional climate protection and action initiatives.	Joined Marin Clean Energy in order to provide electricity with a greater share of renewable energy sources.
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