

**CALISTOGA CLIMATE ACTION PLAN
IMPLEMENTATION MATRIX**

Implementation Measures		2018 Update	2022 Update
Transportation			GC / Staff Updates
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, Calistoga Senior Apartments and Calistoga Vista projects 	<ul style="list-style-type: none"> • Required bicycle parking as COAs for housing 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 • Required construction of Napa Valley Vine Trail segments as part of the Indian Springs and Calistoga Motor Lodge expansions • Improved cyclist/pedestrian access across Berry Street bridge • Completed construction plans for walkway along Napa River between City parking lot and AT&T building • Purchased cyclist/pedestrian bridge to be installed over Napa River between Pioneer Park and downtown • Constructed a sidewalk along Logvy Park's Washington Street frontage • Installed Class III bike route signage 	<ul style="list-style-type: none"> • Installing temporary speed cushions on Grant Street • Designed bridge between S Oak & Logvy Park <i>(to check w/DPW)</i>

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"> Supported 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 Supported the on-demand Calistoga Shuttle service within Calistoga. The Shuttle connects with the VINE transit service. 	<ul style="list-style-type: none">
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 	<ul style="list-style-type: none">
T-3 A	Develop a park-and-ride facility.	<ul style="list-style-type: none"> No action taken 	<ul style="list-style-type: none">
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.	<ul style="list-style-type: none"> No such projects have been proposed since Plan adoption 	<ul style="list-style-type: none"> Four Seasons (<i>to check PBD records</i>)
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"> Many visitor accommodations provide bicycles to guests Most visitor accommodations promote use of the Calistoga Shuttle 	<ul style="list-style-type: none">
T-6 A	Support local food production, farmers markets and "buy local"	<ul style="list-style-type: none"> Implemented City's "right to farm" requirements 	<ul style="list-style-type: none">

	campaigns.	<ul style="list-style-type: none"> • Provided a site for a local farmers market 	
T-6 B	Support the provision of resident-serving retail and services.	<ul style="list-style-type: none"> • No such projects have been proposed since Plan adoption 	<ul style="list-style-type: none"> •
T-7 A	Promote housing types that are desirable to local workers.	<ul style="list-style-type: none"> • Calistoga Family Apartments project for farmworker households completed • Approved 50-unit multi-family Calistoga Vista project 	<ul style="list-style-type: none"> •
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 	<ul style="list-style-type: none"> •
T-8 B	Maintain a compact downtown.	<ul style="list-style-type: none"> • Approved wine tasting rooms in the downtown, thereby avoiding the need for visitors to drive to distant locations and reducing transportation emissions 	<ul style="list-style-type: none"> •
T-9 A	Consider fuel efficiency in the design of the local street network and right-of-way controls at intersections.	<ul style="list-style-type: none"> • Worked on environmental review for signalization of Petrified Forest/Foothill intersection, which will reduce GHG emissions from idling vehicles 	<ul style="list-style-type: none"> •
T-9 B	Encourage Caltrans to monitor and adjust traffic controls as needed to minimize idling.	<ul style="list-style-type: none"> • No actions taken. Adjusting the traffic signal to minimize idling by vehicles on Lincoln would have negative consequences for Washington cross traffic as well as reduce traffic stream breaks on Lincoln that are needed to provide egress from businesses. 	<ul style="list-style-type: none"> •
T-9 C	Establish and enforce anti-idling	<ul style="list-style-type: none"> • No action taken 	<ul style="list-style-type: none"> •

	policies for City vehicles and drivers.		
T-10 A	Work with other agencies to provide an alternative truck route to Lincoln Avenue.	<ul style="list-style-type: none"> No action taken 	<ul style="list-style-type: none">
T-11 A	Provide public parking lots throughout the downtown.	<ul style="list-style-type: none"> Two formal parking lots and one temporary lot are provided 	<ul style="list-style-type: none">
T-11 B	Install signs that clearly direct visitors to public parking areas.	<ul style="list-style-type: none"> Identification signage designed and is under fabrication, with anticipated installation by summer 	<ul style="list-style-type: none">
T-12 A	Support the installation of electric vehicle charging stations.	<ul style="list-style-type: none"> Evaluating type of charging station to install in Community Center parking lot 	<ul style="list-style-type: none"> Charging station planned for Silverado Trail Gas Station Ban Ordinance adopted limiting the number of gas stations within city to 3 and requires existing gas stations that would like to redevelop sites to install EV charging stations
T-12 B	Purchase City-owned vehicles powered by renewable energy sources where feasible	<ul style="list-style-type: none"> Purchased an electric utility terrain vehicle in 2014 	<ul style="list-style-type: none"> Police Department retired electric utility terrain vehicle
T-13 A	Provide bicycles for City employees to use for City operations.	<ul style="list-style-type: none"> Continued to provide bicycles for City employee use 	<ul style="list-style-type: none"> No action taken
T-13 B	Provide secure covered bicycle parking for City employees to encourage bicycling to work.	<ul style="list-style-type: none"> Relocated City Hall bicycle parking to covered area 	<ul style="list-style-type: none"> Provided bicycle parking in a covered area at City Hall
Energy Efficiency and Renewable Energy			

<p>EE-1 A Facilitate participation in loan programs for energy-efficiency and water conservation improvements in existing buildings.</p>	<ul style="list-style-type: none"> Continued participation in the CaliforniaFIRST and HERO programs, which provide loans to property owners to finance the installation of energy- and water-efficient improvements Publicized use of owner-occupied residential rehabilitation loan program for solar energy system installations 	<ul style="list-style-type: none">
<p>EE-1 B Discourage the use of decorative exterior lighting.</p>	<ul style="list-style-type: none"> Reviewed decorative exterior lighting during the design review process 	<ul style="list-style-type: none"> Same as 2018 Update
<p>EE-2 A Enforce the State’s water-efficient landscape standards for new and rehabilitated landscaping.</p>	<ul style="list-style-type: none"> Ensured compliance with State standards by reviewing landscape and irrigation plans submitted with building permit applications 	<ul style="list-style-type: none">
<p>EE-2 B Promote the use of reclaimed water generated by the local wastewater treatment plant.</p>	<ul style="list-style-type: none"> Continued to seek potential additional reclaimed water users 	<ul style="list-style-type: none"> Four Seasons is a reclaimed water user for landscaping
<p>EE-2 C Install water-efficient landscaping and irrigation where feasible at City facilities. Maintain irrigation systems at municipal facilities for proper watering cycles.</p>	<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 	<ul style="list-style-type: none">
<p>EE-3 A Support the use of geothermal energy and heat-exchange technology.</p>	<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 	<ul style="list-style-type: none">

<p>EE-4 A Incorporate energy-efficient measures in the replacement and upgrading of municipal facilities.</p>	<ul style="list-style-type: none"> • Retrofitted the lighting in 5 City facilities, for an annual reduction in energy consumption of 24,326 kWh, with a reduction of 18.22 metric tons of carbon dioxide equivalent annually. • Incorporated energy-efficient measures in the reconstruction of Monhoff Center • Partnered with PG&E to replace high-pressure-sodium-vapor bulbs with more energy-efficient light-emitting diode fixtures in all of the city's streetlights. The estimated annual reduction in energy consumption is 74,650 kWh, with a reduction of 52 metric tons of carbon dioxide equivalent annually. 	<ul style="list-style-type: none"> •
<p>EE-5 A Explore the feasibility of heating the City pool with energy generated by photovoltaic or geothermal resources.</p>	<ul style="list-style-type: none"> • Evaluated both alternative heating methods and determined that they were infeasible 	<ul style="list-style-type: none"> •
<p>Carbon Sequestration</p>		
<p>CS-1 A Protect existing trees to the maximum feasible extent.</p>	<ul style="list-style-type: none"> • Required tree removal permits for protected trees 	<ul style="list-style-type: none"> • Same as 2018 Update • Discourage the removal of trees when reviewing proposed development projects
<p>CS-1 B Require the replacement of trees that are removed by development projects.</p>	<ul style="list-style-type: none"> • Required tree replacement at a 3:1 ratio or payment of in-lieu fee where infeasible 	<ul style="list-style-type: none"> • Same as 2018 Update
<p>CS-1 C Require the planting of street trees as part of development projects, and plant and replace removed trees along streets.</p>	<ul style="list-style-type: none"> • Required street tree planting for Calistoga Family Apartments, Indian Springs expansion, Calistoga Senior Apartments and Calistoga Vista projects 	<ul style="list-style-type: none"> • Tree plantings in the parklets

<p>CS-1 D Require the planting of parking lot shade trees by development projects and plant shade trees in City-owned parking lots.</p>	<ul style="list-style-type: none"> • Required planting of parking lot shade trees for Indian Springs expansion and Calistoga Vista projects • Replaced trees in Police Department parking lot 	<ul style="list-style-type: none"> • Development of parklets under the Temporary Support and Recovery Program created new spaces for trees along Lincoln Avenue
<p>CS-2 A Ensure the preservation of open space through the entitlement review process.</p>	<ul style="list-style-type: none"> • Required building envelopes for the lots created by the White Parcel Map, thereby preserving the remaining areas in open space 	<ul style="list-style-type: none"> •
<p>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.</p>	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> •
<p>Community Engagement and Advocacy</p>		
<p>CE-1 A Assist in the sponsorship of community events and campaigns that address global warming and promote renewable energy.</p>	<ul style="list-style-type: none"> • City staff assisted with launch of Marin Clean Energy as community's electricity provider 	<ul style="list-style-type: none"> • Tabled at the Farmer's Market for the month of April 2020, providing information that pertained to Earth Day
<p>CE-1 B Disseminate City website postings, correspondence, reports, news releases, brochures, fact sheets, opinion pieces, advertising, etc., to aid in the implementation of GHG reduction measures.</p>	<ul style="list-style-type: none"> • Provided information on water conservation tips; clothes washer, turf and toilet replacement rebates; and water-saving resources through City web site, flyers and ads in local newspapers 	<ul style="list-style-type: none"> •

<p>CE-2 A Support improvements to state-owned roads that encourage non-motorized transportation.</p>	<ul style="list-style-type: none"> • Required construction of Napa Valley Vine Trail segments as part of the Indian Springs and Calistoga Motor Lodge expansions 	<ul style="list-style-type: none"> •
<p>CE-2 B Participate in regional climate protection and action initiatives.</p>	<ul style="list-style-type: none"> • Joined Marin Clean Energy in order to provide electricity with a greater share of renewable energy sources 	<ul style="list-style-type: none"> • Continued enrollment with Marin Clean Energy, providing electricity to the community with a greater share of renewable energy sources • Drafting Foodware Ordinance as it pertains to disposable foodware and waste reduction • Working with members of the Farmer's Market Board to require compostable green bags

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