

**CALISTOGA CLIMATE ACTION PLAN - Draft GHG Reduction Measures**

**Transportation and Mobility**

Objective: Reduce demand for fossil fuel by decreasing vehicle miles traveled, improving transit options, and improving the fuel efficiency of vehicles.

Measure	Description	Excepted GHG Reduction Capacity (Metric Tons CO2e)	City Priority	Feasibility Assessment
T1	Enhance our commitment to urban-centered growth, adopting policies, zoning, and design standards in each jurisdiction to encourage mixed-use, "walkable," and "bikable" neighborhoods.			
A	Install more bike racks through the community			
B	Implement the City of Calistoga Bicycle Transportation Plan, including construction of specific routes, lanes, paths and river crossings recommended in the plan.			
C	Support current (or stronger) language in the Housing Element Update that calls for denser, more compact development and increased emphasis on developing infrastructure for non-motorized transportation.			
T2	Make wise land use decisions that maintain or improve the County's overall "balance" of 70,690 jobs and 64,100 employed residents by locating jobs and housing in proximity to each other and improving the match between wages and housing cost.			
A	Consider incentives for hiring locals.			
T3	Complete a multi-use countywide trail from Calistoga to American Canyon, and adopt and implement pedestrian and bicycle networks within each city and town that connect to it.			
T4	Maintain and enhance existing express bus, local bus, and paratransit services and complete construction of a centralized transit center in downtown Napa.			
A	Make schedules available, keep bus stops clean, attractive and well lit, preferably with solar lights. Make all day parking available and convenient for bus riders.			
T5	Expand Park and Ride areas and other support facilities to encourage public transportation use, and car and van pooling.			
A	Develop a Park-n-Ride Facility			
T6	Study rail and bus rapid transit options in the Highway 29 corridor between Vallejo and downtown Napa, and implement when feasible.			

T7	Optimize fuel efficiency. Design and operate the public street system; consider fuel efficiency in the design of street extensions, connections, and right-of-way controls at intersections; and, monitor and adjust traffic signals.					
T8	Evaluate truck and freight rail routes, and develop policies and strategies to improve circulation and address neighborhood compatibility issues.					
T9	Adopt and implement the NCTPA Strategic Transportation Plan to increase transit service and ridership throughout Napa County.					
T10	Adopt policies and ordinance changes to reduce vehicle miles traveled by supporting local hiring, food production, farmers markets, and community-based "buy local" campaigns.					
T11	Evaluate parking standards in downtown areas to help reduce vehicle miles traveled.					
A	Revise the Off-Street Parking and Loading Ordinance to Address parking requirements, parking design and parking exceptions					
T12	Require discretionary development projects to assess and mitigate the impacts of vehicle miles traveled using transportation demand management programs including transit amenities.					
A	Evaluate GHG produced as a result of any proposed project and mitigate pursuant to CEQA.					
T13	Adopt policies and ordinances that encourage car-free tourism.					
A	Establish a shuttle service in and around Calistoga in partnership with tourist oriented businesses, include but not limited to resorts and wineries.					
<b>Objective: Encourage and support the switch from fossil-fuel powered vehicles to renewable energy powered vehicles.</b>						
<b>Measure</b>	<b>Description</b>	<b>Excepted GHG Reduction Capacity (Metric Tons CO2e)</b>	<b>City Priority</b>	<b>Feasibility Assessment</b>		
T14	Adopt policies and programs that help businesses and organizations with fossil-fuel powered fleet vehicles switch to vehicles powered by clean, renewable energy sources.					



	Support the installation and/or development of a compressed natural gas filling station			
<b>Buildings and Energy</b> <b>Objective: Reduce energy demand through conservation and efficiency</b>				
<b>Measure</b>	<b>Description</b>	<b>Excepted GHG Reduction Capacity (Metric Tons CO2e)</b>	<b>City Priority</b>	<b>Feasibility Assessment</b>
BE1	<p>Implement an AB811 program, making funding available to residential and commercial property owners seeking to improve their properties to conserve energy and water, and to generate solar energy.</p> <p>Establish a weatherization program and performance improvement program for existing residential units in partnership with utility companies and other organizations.</p> <p>Adopt a Dark Sky Ordinance</p>			
BE2	<p>Pursue State and Federal funding programs designed to reduce energy demand through conservation and efficiency.</p> <p>Implement improved energy conservation (Title 24) standards for new buildings starting in July 2009 and other State building code standards for high performance "green" buildings beginning in 2011.</p>			
BE3	<p>Adopt State Green Building Codes with local mandates and implement appropriate rating systems to facilitate incentives.</p>			
BE4	<p>Adopt policies and ordinance changes to reduce energy use by promoting domestic water conservation and requiring water efficient landscape improvements associated with new construction.</p> <p>Encourage native, drought resistant plants in landscaping by providing Mater Gardener handouts with permits. Provide information on energy efficient appliances with permits.</p>			
BE5	<p>Provide information on energy efficient appliances with building permits.</p> <p>Reduce greenhouse gas emissions from buildings and energy use. Require or request discretionary development projects to assess greenhouse gas emissions due to energy use, and to incorporate energy and water conservation measures into projects along with other features or programs.</p>			

	Require the majority of lighting to be energy-efficient; Support the use of programmable thermostats, ceiling fans, evaporative coolers and economizers.				
<b>Objective:</b> Improve the energy supply by switching from fossil fuels to renewables					
<b>Excepted GHG Reduction Capacity (Metric Tons CO2e)</b>					
<b>Measure</b>	<b>Description</b>	<b>City Priority</b>	<b>Feasibility Assessment</b>	<b>Excepted GHG Reduction Capacity (Metric Tons CO2e)</b>	<b>Feasibility Assessment</b>
BE6	Increase local renewable energy generation such that the County will always generate more than X watts of renewable energy per capita.				
	<b>A</b> Investigate Community Choice Aggregation				
	<b>B</b> Encourage and promote the use of geothermal energy and geo-exchange technology				
	<b>C</b> Investigate possible sources of renewable energy e.g., solar/wind power, biofuels, and geothermal power.				
BE7	Adopt policies and ordinances to remove regulatory impediments and economic disincentives associated with the generation and use of energy from renewable sources such as wind, geothermal, and solar energy.				
	<b>A</b> Encourage and/or facilitate one or more pilot projects for wind, geothermal and/or solar power generation in City facilities.				
<b>Consumption and Solid Waste</b>					
<b>Objective:</b> Achieve overall waste diversion of 75% to 90% by 2020.					
<b>Excepted GHG Reduction Capacity (Metric Tons CO2e)</b>					
<b>Measure</b>	<b>Description</b>	<b>City Priority</b>	<b>Feasibility Assessment</b>	<b>Excepted GHG Reduction Capacity (Metric Tons CO2e)</b>	<b>Feasibility Assessment</b>
SW1	Enact ordinances and create incentives to achieve construction and demolition debris waste diversion of 75% to 90% by 2020.				
SW2	Enact ordinances and create incentives to achieve organic (food and green) waste diversion of 75% by 2020.				
SW3	Establish collection services in all cities for segregated food waste from commercial sources.				
	<b>A</b> Implement programs to facilitate community waste reduction.				
SW4	Encourage home composting of organic waste.				



	<b>A</b> Adopt programs to encourage composting of kitchen waste				
SW5	Create and support other programs, such as the Napa County Green Business Program, that help achieve the 75% to 90% overall waste diversion goal.				
SW6	Adopt environmentally preferable purchasing policies and explore joint-purchasing agreements with partner agencies, and local jurisdictions and businesses.				
	<b>A</b> Adopt programs to encourage a certain percentage of supplies purchased to be from recycled products.				
	<b>B</b> Eliminate, through local ordinance, the use of polystyrene food and beverage containers and plastic bags.				
	<b>C</b> Encourage or require reusable packaging.				

**Agriculture, Natural Resources, and Urban Forests**

Objective: Protect and increase the amount of vegetation and biomass in soil, and reduce emissions from agricultural sources.

Excepted GHG Reduction Capacity (Metric Tons CO2e) City Priority Feasibility Assessment

Measure	Description	Excepted GHG Reduction Capacity (Metric Tons CO2e)	City Priority	Feasibility Assessment
AN1	Adopt policies and ordinances that support local agriculture, food production, and community gardens.			
AN2	Adopt policies, ordinances, and plans that create and enhance urban forests and greenways.			
AN3	Assess the impact of land use changes, new vineyards, and urban development on carbon sequestration.			
AN4	Support efforts by local growers and restaurants to produce and use locally grown food, and remove associated regulatory hurdles.			
AN5	Adopt policies and ordinances to protect habitat and mitigate the conversion of oak woodlands and other important plant communities by permanently protecting similar habitat.			

Objective: Encourage responsible and sustainable agricultural and landscaping

Excepted GHG Reduction Capacity (Metric Tons CO2e) City Priority Feasibility Assessment

Measure	Description	Excepted GHG Reduction Capacity (Metric Tons CO2e)	City Priority	Feasibility Assessment
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