

**MADERA GENERA PLAN
CLIMATE CHANGE POLICY REVISIONS**

	<u>Existing Wording</u>	<u>Revised (or Added) Wording</u>
Circulation Element		
1.	Add new Circulation Policy and renumber existing policies to fit	The City shall establish a transit and/or multimodal impact fee to be applied to new development to fund public transportation infrastructure and other multimodal accommodations.
2.	Add New Action Item CI-23.3	As funding allows, expand traffic signal timing and synchronization programs where emission reduction benefits can be demonstrated.
3.	Add new Circulation Policy and renumber existing policies to fit	<p>The City will facilitate employment opportunities that minimize the need for private vehicle trips, including:</p> <ul style="list-style-type: none"> ▪ Incorporating provisions for live/work sites and satellite work centers in appropriate locations in the zoning ordinance; and ▪ Encouraging telecommuting options with new and existing employers through project review and incentives, as appropriate.
Conservation Element		
4.	<p>Action Item CON-5.2</p> <p>Develop regulations and programs to encourage water conservation through means such as updates to the City's building and plumbing codes, water-friendly landscaping requirements, etc. Continue to monitor the effectiveness of these regulations and programs and refine them as needed.</p>	<p>Develop regulations and programs to encourage water conservation through means such as establishing tiered rate structures for water use, updating the appropriate City codes to provide performance standards for irrigation equipment and water fixtures, establishing water-friendly landscaping requirements and watering limitations, etc. Continue to monitor the effectiveness of these regulations and programs and refine them as needed.</p>
5.	Add Action Item CON-7.1	Establish criteria and standards to permit the safe and effective use of gray water (on-site water recycling) that do not compromise public health and safety, and revise existing city codes that may unnecessarily inhibit the use of gray water systems.

	<u>Existing Wording</u>	<u>Revised (or Added) Wording</u>
6.	<p>Action Item CON-29.1</p> <p>Develop and adopt a Tree Ordinance that protects existing trees in the public right of way and promotes the establishment of new tree resources in public areas. The tree ordinance could provide for the creation of a Master Tree Plan that would include an inventory of the City Forest including tree type, condition and size, and a City-approved tree planting list.</p>	<p>Develop and adopt a tree ordinance that protects existing trees in the public right of way and promotes the establishment of new tree resources in public areas, including the placement of trees in parkway strips to allow shading of streets. The tree ordinance could establish a City-approved tree-planting list and provide for the creation of a Master Tree Plan that would include an inventory of trees in public areas, including tree type, condition and size.</p>
7.	<p>Action Item CON-29.2</p> <p>Update or amend the City's building codes to address the construction of green roofs and provide training to the City's Building Department staff on this subject.</p>	<p>Update or amend the City's zoning and building codes, and provide training to the City's Community Development Department staff, to incorporate features which will have the effect of reducing exterior heat gain, such as:</p> <ul style="list-style-type: none"> ▪ Allowances for the construction of green roofs; ▪ Standards for surface shading of paved areas. ▪ Standards for the use of paving materials with an enhanced solar reflective index (SRI); ▪ Standards that provide for pervious pavement options.
8.	<p>Action Item CON-34.1</p> <p>Within one year of the adoption of this General Plan, the City will complete a Greenhouse Gas Inventory that provides an inventory of greenhouse gas emissions from manmade sources in the City.</p>	<p>Within one year of the adoption of this General Plan, the City will complete detailed greenhouse gas inventories including emissions generated from municipal operations, as well as emissions generated by all sectors within the community, using methods approved by, or consistent with guidance from, the ARB. The City shall establish a baseline inventory of emissions for community wide sources for the year 2007.</p>

	<u>Existing Wording</u>	<u>Revised (or Added) Wording</u>
9.	<p>Action Item CON-34.2</p> <p>Within one year of the completion of the Greenhouse Gas Inventory, the City will prepare a Climate Action Plan (CAP) that identifies desired goals for reducing manmade greenhouse gas (GHG) emissions, establishes resiliency and adaptation programs to prepare for potential impacts of climate change, and provides a phased implementation plan to achieve these goals. The CAP will establish a greenhouse gas emissions reduction target of 15% percent below 2007 levels by 2020, consistent with California Assembly Bill 32, the Global Warming Solutions Act of 2006 (AB32) and the guidance provided in the associated California Air Resources Board Climate Change Scoping Plan approved in December 2008. The CAP will also outline a strategy to achieve 1990 GHG levels by 2020 and an 80% reduction from 1990 GHG levels by 2050 in accordance with California State Executive Order S-3-05.</p>	<p>Within one year of the completion of the Greenhouse Gas Inventory, the City will, in collaboration with stakeholders from the community, prepare a Climate Action Plan (CAP) that incorporates and/or addresses the following criteria:</p> <ul style="list-style-type: none"> ▪ The CAP will identify goals for reducing manmade greenhouse gas (GHG) emissions from community, municipal, and business activities. ▪ The CAP will establish resiliency and adaptation programs to prepare for potential impacts of climate change, and provide a phased implementation plan to achieve these goals. ▪ The CAP will establish a greenhouse gas emissions reduction target of 15% percent below 2007 levels by 2020, consistent with California Assembly Bill 32, the Global Warming Solutions Act of 2006 (AB32) and the guidance provided in the associated California Air Resources Board Climate Change Scoping Plan approved in December 2008. ▪ The CAP will also outline a strategy to achieve 1990 GHG levels by 2020 and an 80% reduction from 1990 GHG levels by 2050 in accordance with California State Executive Order S-3-05.
10.	Add New Conservation Policy and renumber existing policies to fit	The City will identify and remove regulatory or procedural barriers to implementing green building practices within its jurisdiction, such as updating codes, guidelines, and zoning, and will ensure that all plan review and building inspection staff are trained in green building materials, practices, and techniques.
11.	Add New Conservation Policy and renumber existing policies to fit	The City will allow renewable energy projects in areas zoned for open space, where consistent with all of the elements of this General Plan, and other uses and values.
12.	Add New Conservation Policy and renumber existing policies to fit	The City will promote and encourage co-generation projects for commercial and industrial facilities, provided they meet all applicable air quality standards and provide a net reduction in GHG emissions associated with energy production.

	<u>Existing Wording</u>	<u>Revised (or Added) Wording</u>
13.	Add Action Item CON-39.2	The City will require that any building constructed in whole or in part with local, public funding incorporate passive solar design features, such as daylighting and passive solar heating, where feasible.
14.	Add New Conservation Policy and renumber existing policies to fit	The City will install renewable energy systems at its facilities where feasible, including solar collection systems at municipal properties and waste-to-energy (methane recovery) systems at the waste water treatment plant.
15.	Add New Conservation Policy and renumber existing policies to fit	The City will evaluate existing landscaping and options to convert reflective and impervious surfaces to landscaping, and will, as feasible, install or replace vegetation with drought-tolerant, low-maintenance native species that can also provide shade and reduce heat-island effects.
Land Use Element		
16.	Action Item LU-24.1 Incorporate provisions for mixed use projects into the zoning ordinance.	Incorporate provisions for mixed use projects into the zoning ordinance, providing for flexibility in applying development standards (such as floor area) based on the location, type, and size of the units and the design of the development.
17.	Add Action Item LU-24.2	The City will seek funding to prepare master plans and/or specific plans and related environmental documents to facilitate mixed use development at selected sites.