

Stakeholder Alternatives Matrix

Energy & Climate Change

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
<p>EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.</p>	<p>Reduce cumulative greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.</p>	<p>EC1.1 All new development shall comply with state and federal energy efficiency standards.</p>	<p>EC1.1 All new development in the Region shall comply with state and/or federal, whichever is strictest, state and federal energy efficiency standards.</p>	<p>EC_IMP1: Enforce through application of California building code by local jurisdictions on the California side of the Basin</p>	<p>EC_IMP1: Enforce through application of California building code by local jurisdictions and/or TRPA Basin-wide. on the California side of the Basin</p>
<p>EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.</p>		<p>EC1.2 A coordinated program to encourage recycling of waste products should be developed.</p>	<p>EC1.2 A coordinated program to encourage recycling of waste products should will be developed.</p>	<p>N/A</p>	<p>TRPA will coordinate with local jurisdictions basin-wide to develop and implement a coordinated recycling program.</p>
<p>EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.</p>		<p>EC-1.3 The use of alternative energy sources should be encouraged when such development is both technologically and environmentally feasible.</p>		<p>EC_IMP2: When found to be compliant with other threshold areas such as scenic, make design allowances for alternative energy sources, such as height allowances for solar panels</p>	<p>EC_IMP2: When found to be compliant with other TRPA thresholds areas such as scenic, TRPA may consider make height allowances for retrofit of existing structures only for alternative energy sources.</p>
<p>EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the</p>		<p>EC1.4 Environmental impacts to the fishery, instream flows, and scenic quality of all proposed hydroelectric project sites shall be considered together with other environmental considerations.</p>	<p>DELETE. TRPA should not be allowing any more hydroelectric facilities.</p>	<p>N/A</p>	

Stakeholder Alternatives Matrix

Energy & Climate Change

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
region, the country and the world.					
<p>EC1</p> <p>Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.</p>		<p>EC1.5</p> <p>Incorporate policies 4 and 5 of goal #11, policies 2,3,4,7, and 8 of goal #2, and policies 1,5,7,8, and 9 of goal #4 of the air quality subelement as energy saving measures.</p>	<p>DELETE.</p> <p>In fact, p. E-4 says TRPA proposes to delete b/c policies already exist in AQ section.</p>	<p>N/A</p>	
<p>EC2 Adapt to the Regional effects of climate change.</p>		<p>EC-2.1</p> <p>Following adoption of the regional plan update, develop, and implement a climate action plan. the plan should be developed and maintained in collaboration with partner agencies and local jurisdictions. the plan will address both emissions reductions and adaptation to climate change effects, and will include at least the following elements:</p> <ol style="list-style-type: none"> 1. An emissions inventory identifying greenhouse gas emissions from both direct and indirect anthropogenic sources in the Region 2. A quantified emissions reduction target for greenhouse gas emissions in the Region that take into account climate change legislation in the states of California and Nevada, as 	<p>EC-2.1</p> <p>Following adoption of the regional plan update, Develop, and implement a climate action plan. The plan should be developed and maintained in collaboration with partner agencies and local jurisdictions. The plan will address both cumulative emissions reductions and adaptation to climate change effects, and will include at least the following elements:</p> <ol style="list-style-type: none"> 1. An emissions inventory identifying greenhouse gas emissions from both direct and indirect anthropogenic sources in the Region 2. A quantified emissions reduction target for greenhouse gas emissions in the Region that take into account climate change legislation in the states of California and Nevada, as well as at the federal level; 3. Recommendations for new 	<p>EC_IMP3: Dedicate/seek funding to develop climate change program. Assign staff member to develop program elements including inventory, strategies and policies</p>	<p>EC_IMP3: Dedicate/seek funding to develop climate change program. Assign staff member to develop program elements including emissions inventory, strategies and policies.</p>

Energy & Climate Change

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
		well as at the federal level; 3. Recommendations for new goals, policies, and implementation measures to meet the emissions reduction target, as necessary. 4. Recommendations for further research to fill information gaps regarding climate change impacts specific to the Tahoe Region; 5. Recommendations for updating design guidelines relating to building elements and development techniques that reduce GHG emissions 6. A program to monitor, evaluate and report progress towards the emissions reduction target and adaptation goals, and an adaptive management program to develop new strategies for emissions reduction and adaptation.	goals, policies, and implementation measures to meet the emissions reduction target, as necessary. 4. Recommendations for further research to fill information gaps regarding climate change impacts specific to the Tahoe Region, with emphasis on impacts which negatively affect threshold attainment and maintenance; 5. Recommendations for updating design guidelines relating to building elements and development techniques that reduce cumulative GHG emissions 6. A program to monitor, evaluate and report progress towards the emissions reduction target and adaptation goals, and an adaptive management program to develop new strategies for emissions reduction and adaptation.		
EC2 Adapt to the Regional effects of climate change. 		EC-2.2 New development and redevelopment projects shall minimize greenhouse gas emissions from project design. see land-use element.		EC_IMP4: See policy EC-1.4	IMP: All new development projects shall evaluate cumulative GHG emissions and alternative designs which minimize such emissions. All redevelopment projects must evaluate cumulative GHG emissions and show a net reduction of at least 50% when compared to existing (pre-project) <u>actual (not potential)</u> emissions.
EC2 Adapt to the Regional effects of climate change.		EC-2.3 Include GHG emissions analysis in TRPA environmental documents.	EC-2.3 Include cumulative GHG emissions analysis in projects requiring an environmental assessment or impact statement.	EC_IMP5: Require environmental documentation consultants to include GHG emissions analysis as part of over-all project EIS.	EC_IMP5: Require environmental documentation consultants to include a cumulative GHG emissions analysis as part of over-all project EIS . all environmental assessments and impact statements.

Stakeholder Alternatives Matrix

Energy & Climate Change

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
EC2 Adapt to the Regional effects of climate change.		EC-2.4 As part of the climate action plan, develop and maintain green building recommendations to be included in the design guidelines.		EC_IMP6: Update Design Guidelines to incorporate green building elements based on LEED certification criteria	
EC2 Adapt to the Regional effects of climate change.		EC-2.5 As part of the climate action plan, develop and implement a public education and outreach program to inform the public (both residents and visitors) about efforts in the Tahoe region to reduce regional contributions to greenhouse gasses, including measures that individual and businesses can take to reduce contributions. The education and outreach program will encourage residents and visitors to reduce greenhouse gas emission.		EC_IMP7: Develop climate action plan outreach effort. Collaborate and incorporate efforts currently being developed by Climate Action initiative and TMPO	
EC2 Adapt to the Regional effects of climate change.		EC-2.6 Coordinate with state and federal agencies to develop carbon sequestration and other GHG emission off-set programs.	EC-2.6 Coordinate with state and federal agencies to develop apply state and federal carbon sequestration and other GHG emission off-set programs to the Lake Tahoe Basin.	EC_IMP8: Through Climate Change Initiative pursue the development of a carbon crediting program with USFS, CA/NV State Lands	EC_IMP8: Through Climate Change Initiative pursue support the development of a carbon crediting program with USFS, CA/NV State Lands.
EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country		EC-1.7 Work with regional school districts to identify funding sources and other incentives for school districts to develop transportation plans that will substantially reduce automobile trips to, and congestion surrounding schools. plans should address at least the following		EC_IMP9: Develop program as part of Climate Action plan under the Climate Action Initiative	

Stakeholder Alternatives Matrix

Energy & Climate Change

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
and the world.		elements: 4. Necessary infrastructure improvements and potential funding sources, 5. Replacement of old diesel busses with low- or zero-emissions vehicles, and 6. Safe Routes to School programs and other formal efforts to increase walking and bicycling by students.			
EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.		EC-1.8 Implement the EIP climate change subprogram and action priorities.		EC_IMP10: Implement EIP	
EC1 Reduce greenhouse gas emissions within the Tahoe Region consistent with state and federal planning to reduce the scale and intensity of climate change effects on the region, the country and the world.		EC-1.9 The regional plan and its implementing plans shall achieve and maintain LEED neighborhood certification.		EC_IMP13: Incorporate planning elements required by LEED to achieve Neighborhood Certification.	EC_IMP13: Incorporate planning elements required by LEED to achieve Neighborhood Certification. ADD: For existing neighborhoods, develop programs to encourage and incentivize retrofits to existing structures to improve energy efficiency.
		EC-3.1 Develop and support climate change as part of the adaptive management system and Tahoe science consortium research agenda.		EC_IMP11: Staff member responsible for climate change program should ensure that resources and support are given to the program by coordinating with other resource areas and championing the program with the scientific community	EC_IMP11: Staff member responsible for climate change program should TRPA will ensure that resources and support are given to obtained for the climate change program by coordinating with other resource areas and championing the program with the scientific community.

Stakeholder Alternatives Matrix

Energy & Climate Change

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
		EC-3.2 Review the transfer of development rights program, especially the designation of sending and receiving areas, in light of emerging science as it relates to expected climate change effects in the Tahoe region. revise sending and/or receiving areas as appropriate.		EC_IMP12: Create a monitoring program for land-use hazard conditions that will be updated over-time and used in the permitting process. Work with local jurisdictions to establish and manage consistent hazard related regulations related to flooding and forest fire.	
H-1 Mix of Housing There is a Mix of Housing Opportunities that are attractive and affordable to a diversity of ages, incomes, household sizes, and cultural backgrounds.		EC-H1.1 Locate affordable housing in transit-oriented development whenever feasible.		EC.IMP-10: Limit use of bonus units to affordable housing in PTOD areas.	
T-7 Parking: Develop parking management strategies for the Lake Tahoe Region.		EC-TR1.1 Support and promote the use of low- and zero- emission vehicles (ZEV)		EC.IMP-13 Require new commercial and retail developments to provide prioritized parking for electric vehicles and vehicles using alternative fuels. EC.IMP-14 Encourage new construction to include vehicle access to properly wired outdoor receptacles to accommodate ZEV and plug in electric hybrids (PZEV).	
AQ.DC-1 Human and Ecosystem Health: Air quality in the Lake Tahoe Basin is healthy for humans and ecosystems.		EC-AQ1.1 Require that new developments incorporate transit measures into project designs that promote the use of alternative modes of transportation.		EC.IMP-15 Require inclusion of sidewalks, whenever possible, on both sides of all new street improvement projects, except where there are severe topographic or natural resource constraints.	

*Alternative 4 policy statements were prepared with the best publically available information from the TRPA and some of the information may be out-of-date. Additionally, according to TRPA staff, some details are lacking in Alternative 4 that may have been fully developed in Alternative 2.

**Similar to any RPU alternative, the Conservation Alternative needs to be subjected to the same rigorous environmental analysis to determine if its policies and implementation measures are sufficient for ETCC achievement and maintenance.

Italics identify policy or implementation that were revised as part of the Milestone process – it is unclear from the documents provided if the changes are in reference to Alt 2 or both Alt 2 and Alt 4.