

Natural Hazards

TRPA Staff Proposed Goal	Suggested Goal Language	TRPA Staff Proposed Policy *	Suggested Policy Language **	TRPA Staff Proposed Implementation Measure	Suggested Implementation Measure
<p>NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)</p>	<p>Protect the achievement and maintenance of the environmental threshold carrying capacities and maintain public health and safety in the Lake Tahoe Region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides, avalanches and earthquakes)</p>	<p>NH-1.1 NATURAL HAZARD MAPPING: <del>Coordinate with universities and local, state, and federal agencies to identify natural hazards and prepare natural hazard maps for use during project planning and review.</del> Amended to: TRPA Shall Perform all the necessary analysis and update its natural hazard maps.(Amended during milestone)</p>	<p>Same</p>	<p>NH.IMP-1: Amend Chapter 12, TRPA Regional Plan Maps, by updating the natural hazard map. This may be done in coordination with universities and government agencies.</p>	<p>Same</p>
<p>NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)</p>		<p>NH-1.2 DEVELOPMENT IN NATURAL HAZARD AREAS: Regulate development and redevelopment in areas with known avalanche and mass stability hazards.</p>	<p>Same</p>	<p>None</p>	<p>Same</p>
<p>NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)</p>		<p>NH-1.3 CONSTRUCTION ON THE 100-YEAR FLOODPLAIN: Prohibit earthwork, development, and redevelopment on lands located within the 100-year floodplain and in the area of wave run-up except as necessary to implement the goals and policies of the plan. Require that all facilities located within the 100-year floodplain be designed, constructed, and maintained to prevent flooding and damage from flooding.</p>	<p>Same</p>	<p>None</p>	<p>Same</p>

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NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)		NH-1.4 RELOCATION OF FACILITIES FROM NATURAL HAZARD AREA: Work with local, state and federal agencies to develop programs and incentives that encourage public and private entities to decommission and/or relocate facilities from known natural hazard areas.	RELOCATION OF FACILITIES FROM NATURAL HAZARD AREA: Develop programs to decommission retrofit and/or relocate facilities from known natural hazard areas.	NH.IMP-2: Amend Code to create incentives that encourage public and private entities to <i>retrofit</i> , decommission and/or relocate facilities from known natural-hazard areas ( <i>amended with retrofit as part of the milestone</i> ).	NH.IMP-2: Amend Code to create incentives that encourage public and private entities to decommission and/or relocate facilities from floodplain areas.
NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)		NH-1.5 EMERGENCY RESPONSE PLANS: Assist public safety agencies with the preparation of emergency response plans for wildfires, earthquakes, tsunamis, and other natural hazards in the region.	EMERGENCY RESPONSE PLANS: Assist public safety agencies and public service agencies with the preparation of emergency response plans for wildfires, earthquakes, tsunamis, and other natural hazards in the region.	None	Response after Earthquake: A response protocol would be developed so in the event of a significant earthquake, broken sewer mains are contained quickly to prevent sewage discharge to the Lake.
NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)		NH-1.6 WILDFIRE PREVENTION PLAN: Coordinate the development of a region-wide wildfire prevention plan.	Same	None	Same
NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)		NH-1.7 WILDFIRE PREVENTION: Work with fire prevention and land management agencies to educate residents and visitors about wildfire hazards and encourage the use of fire resistant materials and preventative techniques to reduce the risk of wildfire in the region.	Same	NH.IMP-3: Update the Code to ensure consistency with the Lake Tahoe Basin Multi-Jurisdictional Fuel Reduction and Wildfire Prevention Strategy, as regularly updated, to guide hazardous fuels reduction efforts	Same

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<p>NH-1 Natural hazards: maintain public health and safety and environmental quality in the region by minimizing risks associated with natural hazards (e.g., floods, wildfires, and landslides)</p>		<p>NH-1.8 DEFENSIBLE SPACE BMPS: Collaborate with resource conservation and fire districts to integrate water quality and wildfire defensible space best management practices.</p>	<p>Integrate water quality and wildfire defensible space best management practices.</p>	<p>NH.IMP-4: Amend Code Chapter 25 to integrate defensible space requirements with water quality BMP requirements.</p>	<p>NH.IMP-4: Amend Code Chapter 25 to integrate defensible space requirements with water quality BMP requirements and ensure that these requirements are enforced.</p>
				<p>TRPA will share updated natural hazards maps as they become available (from milestones)</p>	<p>Same</p>
				<p>TRPA will seek input from regional water purveyors and fire chiefs in updating the Public Services and Facilities Element (from milestones).</p>	<p>Same</p>
				<p>Staff will add disclosures to future natural hazard maps that state that the maps are not perfectly accurate.</p>	<p>Same</p>

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\*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.*

The Conservation Alternative Policies and Implementation Measures and related code amendments must strengthen and implement restriction without variance procedures, exemptions, exceptions and will require enforcement in a timely manner.