

Chapter 3 (Natural Hazards)

ITEM	PLANNING COMMITTEE (2009-2011 COUNCIL TERM)	CURRENT PLANNING DIRECTOR'S RECOMMENDATION (2011-2013 COUNCIL TERM)	NO.	GENERAL PLAN COMMITTEE (2011-2013 COUNCIL TERM)
GOAL	<i>Maui will be disaster resilient.</i>		256	
OBJ. 1	Increased inter-agency coordination.		257	
POLICIES	Reinforce the island's preparedness capacity by: <ul style="list-style-type: none"> a. Applying the latest data gathering techniques/technology; b. Pursuing funding opportunities; c. Improving monitoring and advance warning systems; d. Fostering public awareness; and e. Coordinating disaster response. 		258	f. <u>Working with external agencies to coordinate disaster mitigation and response.</u>
	Delete; see #258		259	
	Delete; see #271		260	
ACTIONS	Consolidate and update the GIS hazards data bank in the Maui County Emergency Operations Center. GPAC recommendation		261	Consolidate and update the GIS hazards data bank in the Maui County Emergency Operations Center. <u>Allow for the use of outside data to be included in the data bank.</u>

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	Acquire the latest GIS technology in hazard, risk, and vulnerability assessments.		262	
	Establish a standing County Hazard Mitigation Committee, comprised of representatives from all levels of government and the private sector. (Amended)		263	
OBJ. 2	Greater protection of life and property. GPAC recommendation		264	
POLICIES	Identify critical infrastructure, lifelines, roads, and populations that are vulnerable to coastal hazards and encourage strategic retreat and relocation to safer areas. MPC recommendation		265	
	New: Consider the location of dams, reservoirs, holding ponds and other water-containing entities that are upstream of inhabited areas to anticipate, avoid and mitigate inundation risks, and discourage new development in areas where possible inundation hazards may exist.		266	
	Strengthen current development standards to prevent destruction of land and property. GPAC recommendation		267	Strengthen current development standards to [prevent] <u>minimize</u> destruction of land and property.

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	Require the use of construction techniques that reduce the potential for damage from natural hazards. GPAC recommendation		268	[Require] <u>Encourage</u> the use of construction techniques that reduce the potential for damage from natural hazards.
	Increase food and energy security through local production and storage. MPC recommendation		268.1	<u>Increase the County's resilience to drought.</u>
ACTIONS	Develop an Emergency Management Center in Central Maui.		270	
	Implement the <i>Maui County Hazard Mitigation Plan</i> , and subsequent updates, so far as it is consistent with Maui Island Plan.		271	Implement the Maui Multi-hazard Mitigation Plan, and subsequent updates, so far as it is consistent with Maui Island Plan.
	Develop a Post-Disaster Recovery and Reconstruction plan that will ensure Maui's resilience to coastal hazards.		272	

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	<p>Develop plans and/or incentives to do the following:</p> <ul style="list-style-type: none"> a. Encourage rebuilding inland as an alternative to shoreline hardening; b. Streamline the reconstruction of structures that are moved substantially inland; c. Encourage the relocation of existing structures so they are away from shoreline areas; and d. Relocate vulnerable coastal roads that are susceptible to destruction from natural hazards, such as a portion of North Kihei Road and the Pali to Puamana realignment. <p>MPC recommendation</p>		273	<ul style="list-style-type: none"> d. Encourage the relocation of vulnerable coastal roads that are susceptible to destruction from natural hazards, such as a portion of North Kihei Road and the Pali to Puamana realignment.
	<p>Delete; see #273</p> <p>MPC recommendation</p>		274	
	<p>Delete; see #273</p> <p>MPC recommendation</p>		275	
	<p>Develop incentive and mitigation alternatives to encourage the relocation of existing structures away from shoreline areas.</p> <p>GPAC recommendation</p>	Delete; redundant with #273.	276	
	<p>Periodically update the shoreline rules for the Maui Planning Commission to provide safe setbacks from the shorelines and incorporate best management practices.</p>		277	

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	Use and update the Federal Emergency Management Agency-Digital Flood Insurance Rate (DFIRM) Maps in the permitting process to minimize development in flood-prone areas.		278	
	Following each coastal erosion disaster, identify and document the new shoreline position to be used for reviewing future development. GPAC recommendation		279	
		Following each natural disaster, gather data to plan for future disaster events.	279A	
	Update coastal planning requirements to factor in incremental effects of rising sea levels. GPAC recommendation		280	
			280.1	<u>Increase water storage and development of additional capacity in Upcountry Maui and other areas susceptible to drought and encourage efficiency in conservation programs.</u>
OBJ. 3	A more coordinated emergency response system that includes clearly defined and mapped evacuation routes. MPC recommendation		281	

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POLICIES	Identify and expand evacuation routes from areas susceptible to natural hazards.		282	Identify and expand <u>shelter facilities and</u> evacuation routes from areas susceptible to natural hazards.
ACTIONS	Develop an island-wide evacuation routes plan. GPAC recommendation		283	
	Identify and develop required shelter capacity through new development and retrofit of existing structures. GPAC recommendation	Identify and develop required shelter capacity. Director's Recommendation (2010)	284	
			284.1	Plan for opening and staffing the shelters to ensure that the facilities are made available at the time of the evacuation orders.
OBJ. 4	A more educated and involved public that is aware of and prepared for natural hazards. GPAC recommendation		285	

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POLICIES	<p>Promote public education and involvement related to natural hazards awareness and preparedness. GPAC recommendation</p>		286	
	<p>Coordinate a multi-agency effort to establish and promote a comprehensive public education program that will focus on practical approaches to preparedness, damage prevention, and hazard mitigation. GPAC recommendation</p>		287	

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	<p>ACTION: Develop regularly-scheduled mitigation training for public and private emergency responders and establish volunteer groups to elevate public awareness of emergency procedures. MPC recommendation</p>		288	<p>ACTION: Develop regularly scheduled mitigation training for public and private emergency responders and establish volunteer groups to elevate public awareness of emergency procedures. MPC recommendation</p>
			289	