

NATURAL HAZARDS						
ITEM	REF. NO	NO.	GPAC RECOMMENDATION	MPC RECOMMENDATION	DIRECTOR'S RECOMMENDATION	PC RECOMMENDATION
GOAL	3.1	256	<i>Maui will be prepared for natural disasters and be more disaster resilient.</i>		<i>Maui will be disaster resilient.</i>	
OBJ. 1	3.1.1	257	<b>Increased integration and coordination between agencies.</b>		<b>Increased inter-agency coordination.</b>	
POLICIES	3.1.1.a	258	Augment/reinforce the Island's preparedness capacity by:  using the latest data gathering techniques/technology; pursuing potential funding and leveraging opportunities; ensuring the adequacy of the monitoring and advance warning systems; Fostering public awareness; and Coordinating disaster response.		Reinforce the island's preparedness capacity by:  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.	
		259	Foster inter-governmental/agency coordination to achieve efficiency and effectiveness.		Delete; see #258	
		260	Implement the Maui County Hazard Mitigation Plan.	Delete. Redundant with Obj. 2, action 2.	Delete; see #271	
ACTIONS	3.1.1-Action 1	261	Consolidate and update the GIS hazards data bank in the Maui County Emergency Operations Center.		Consolidate and update the GIS hazards data bank in the Maui County Emergency Operations Center. <b>GPAC recommendation</b>	
	3.1.1-Action 2	262	Apply appropriate/latest GIS applications in hazard, risk, and vulnerability assessments to determine adequate mitigation measures.		Acquire the latest GIS technology in hazard, risk, and vulnerability assessments.	
	3.1.1-Action 3	263	Establish a standing County Hazard Mitigation Committee, comprised of representatives from all levels of government and the private sector.		Establish a standing County Hazard Mitigation Committee.	Establish a standing County Hazard Mitigation Committee, comprised of representatives from all levels of government and the private sector.

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OBJ. 2	3.1.2	264	<b>Greater protection of life and property.</b>		<b>Greater protection of life and property. GPAC recommendation.</b>	
POLICIES	3.1.2.a	265	Identify critical infrastructure, lifelines, roads, and populations that are vulnerable to coastal hazards.	Combine 1 and 2. Identify critical infrastructure, lifelines, roads, and populations that are vulnerable to coastal hazards and encourage strategic retreat.	Identify critical infrastructure, lifelines, roads, and populations that are vulnerable to coastal hazards and encourage strategic retreat. Combine 1 and 2. <b>MPC recommendation</b>	Identify critical infrastructure, lifelines, roads, and populations that are vulnerable to coastal hazards and encourage strategic retreat and relocation to safer areas. Combine 1 and 2. <b>MPC recommendation</b>
		266	Encourage strategic retreat from the shoreline.			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.
	3.1.2.b	267	Strengthen current development standards to prevent destruction of land and property.		Strengthen current development standards to prevent destruction of land and property. <b>GPAC recommendation</b>	Strengthen current development standards to prevent destruction of land and property. <b>GPAC recommendation</b>
	3.1.2.c	268	Require the use of construction techniques that reduce the potential for damage from natural hazards.		Require the use of construction techniques that reduce the potential for damage from natural hazards. <b>GPAC recommendation</b>	
	3.1.2.d	269		Increase food and energy security through local production and storage.	Increase food and energy security through local production and storage. <b>MPC recommendation</b>	
ACTIONS	3.1.2-Action 1	270	Develop an Emergency Management Center in Central Maui to serve the island.		Develop an Emergency Management Center in Central Maui.	
	3.1.2-Action 2	271	Implement the policies and actions from the current, and future updated <i>Maui County Hazard Mitigation Plan</i> , so far as they are consistent with Maui Island Plan goals, objectives, policies, and actions.		Implement the <i>Maui County Hazard Mitigation Plan</i> , and subsequent updates, so far as it is consistent with Maui Island Plan.	

3.1.2-Action 3	272	Develop a Post-Disaster Recovery and Reconstruction plan that will improve Maui's resilience to coastal hazards.		Develop a Post-Disaster Recovery and Reconstruction plan that will ensure Maui's resilience to coastal hazards.	
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3.1.2-Action 4	273	Develop a plan that will encourage rebuilding inland as an alternative to shoreline hardening.	Develop plans and/or incentives to do the following: <ul style="list-style-type: none"> <li>a. Encourage rebuilding inland as an alternative to shoreline hardening;</li> <li>b. Streamline the reconstruction of structures that are moved substantially inland;</li> <li>c. Encourage the relocation of existing structures so they are away from shoreline areas; and</li> <li>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</li> </ul>	Develop plans and/or incentives to do the following: <ul style="list-style-type: none"> <li>a. Encourage rebuilding inland as an alternative to shoreline hardening;</li> <li>b. Streamline the reconstruction of structures that are moved substantially inland;</li> <li>c. Encourage the relocation of existing structures so they are away from shoreline areas; and</li> <li>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</li> </ul> <b>MPC recommendation</b>	
	274	Develop a strategy to streamline the reconstruction of structures that are moved substantially inland.	Delete 5, 6, and 7. Combine with #4.	Delete; see #273 <b>MPC recommendation</b>	
	275	Develop and implement strategies and plans to relocate vulnerable coastal roads susceptible to destruction from natural hazards, such as portions of North Kihei Road and the Pali to Puamana Highway realignment.			
	276	Develop incentive and mitigation alternatives to encourage the relocation of existing structures away from shoreline areas.			
3.1.2-Action 5	277	Prepare and periodically update the shoreline rules for the Maui Planning Commission to provide safe setbacks from the shorelines and incorporate shoreline management techniques.		Periodically update the shoreline rules for the Maui Planning Commission to provide safe setbacks from the shorelines and incorporate best management practices.	
3.1.2-Action 6	278	Continue to use and update the Federal Emergency Management Agency-Digital Flood Insurance Rate Maps in the permitting process to minimize development in flood-prone areas.		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.	

	3.1.2-Action 7	279	Following each coastal erosion disaster, identify and document the new shoreline position to be considered in future reconstruction.		Following each coastal erosion disaster, identify and document the new shoreline position to be used for reviewing future development.	
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	3.1.2-Action 8	280	Update coastal planning requirements to factor in incremental effects of rising sea levels.		Update coastal planning requirements to factor in incremental effects of rising sea levels. <b>GPAC recommendation</b>	
OBJ. 3	3.1.3	281	<b>A more coordinated emergency response system that includes clearly defined and mapped evacuation routes.</b>	<b>A more coordinated emergency response system that includes clearly defined and mapped evacuation routes.</b>	<b>A more coordinated emergency response system that includes clearly defined and mapped evacuation routes.</b> <b>MPC recommendation</b>	
POLICIES	3.1.3a	282	Identify and expand opportunities and routes for evacuation from areas susceptible to natural hazards.		Identify and expand evacuation routes from areas susceptible to natural hazards.	
ACTIONS	3.1.3-Action 1	283	Develop an island-wide evacuation routes plan.		Develop an island-wide evacuation routes plan. <b>GPAC recommendation</b>	
	3.1.3-Action 2	284	Identify and develop required shelter capacity through new development and retrofit of existing structures.		Identify and develop required shelter capacity.	Identify and develop required shelter capacity through new development and retrofit of existing structures.
OBJ. 4	3.1.4	285	<b>A more educated and involved public that is aware of and prepared for natural hazards.</b>		<b>A more educated and involved public that is aware of and prepared for natural hazards.</b> <b>GPAC recommendation</b>	
POLICIES 5	3.1.4a	286	Promote public education and involvement related to natural hazards awareness and preparedness.		Promote public education and involvement related to natural hazards awareness and preparedness. <b>GPAC recommendation</b>	

		287	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.		Delete; see #286	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.
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ACTIONS	3.1.4-Action 1	288	Coordinate and/or support efforts for the development of regularly-scheduled mitigation training for public and private emergency responders.	Combine 2 & 3. Develop regularly-scheduled mitigation training for public and private emergency responders and establish volunteer groups to elevate public awareness of emergency procedures.	Develop regularly-scheduled mitigation training for public and private emergency responders and establish volunteer groups to elevate public awareness of emergency procedures. <b>MPC recommendation</b>	
		289	Establish emergency assistance volunteer groups to elevate public awareness of emergency procedures.			