

Suggested Policies and Actions
Ready and Resilient Systems

(CPAC edits from September 3 and October 24 meetings)

Policies

Climate Change and Sea Level Rise

The State-recognized sea-level rise exposure area (SLR-XA) refers to the State Climate Commission’s recognized planning target or threshold for sea-level rise exposure. Currently, the recognized planning threshold is 3.2-feet of sea-level rise. The planning threshold may change based on best available scientific information.

1. Reserve existing golf course facilities as future receiving areas to transfer existing shoreline development that is impacted by sea level rise and coastal hazards~~climate change.~~ (Edited per CPAC discussion and input from Planning Department and UH Sea Grant)
2. In order to minimize impacts from future coastal erosion, new structures on shoreline parcels shall be located outside of the State-recognized erosion hazard line for 3.2-feet of sea-level rise. (Edited per CPAC discussion and input from Planning Department and UH Sea Grant)~~For redevelopment and new developments within the 3.2-foot Sea Level Rise Exposure Area (SLR-XA), or the state recognized threshold for sea level rise exposure, new structures shall be situated on the most mauka extent of the project area or as allowed by applicable rules.~~
3. For redevelopment and new developments within the State-recognized sea-level rise exposure area, developers shall proactively:
 - a. Coordinate with the Maui County Planning Department and adjacent or near-by property owners to understand possible collective re-location of at-risk structures, and
 - b. Incorporate results of coordination into development plans by siting any new planned structures out of harm’s way.(Edited per CPAC discussion and input from Planning Department and UH Sea Grant)
- ~~2.4.~~ Prioritize projects that provide multiple benefits from resilience actions. (Edited per CPAC discussion and input from Planning Department and UH Sea Grant)

Fire and Emergency Management

- ~~3.5.~~ Support the goals, objectives, and actions of the Western Maui Community Wildfire Protection Plan and the Maui County Multi-Hazard Mitigation Plan Update. (CPAC Consensus – as amended)

4.6. Require ~~all new~~ developments to incorporate defensible space around structures and communities and ongoing maintenance of defensible space. [\(CPAC Consensus – as amended\)](#)

5.7. Require community buildings that will serve as emergency shelters to be built or retrofitted to hurricane standards. [\(CPAC Consensus – as amended\)](#)

Water

6.8. Require public and private water purveyors to coordinate water development in order to optimize pumpage, mitigate saltwater intrusion, [prevent impacts to streams](#), and preserve regional resources. [\(Edited per CPAC discussion and input from DWS\)](#)

7.9. Require new developments to install landscaping that reduces water use, using drought resistant and micro-climate appropriate design and plants, [and use greywater where the State Department of Health allows it](#). [\(CPAC Consensus – as amended\)](#)

Wastewater

8.10. New developments in West Maui shall connect to County or private [recycled wastewater distribution](#) ~~reuse~~ systems when available; if reuse is not readily available, developments ~~should~~ shall be designed to allow for future connections. [\(Edited per CPAC discussion and input from DEM\)](#)

Actions (Lead County Agency)

Climate Change and Sea Level Rise

[The State-recognized sea-level rise exposure area \(SLR-XA\) refers to the State Climate Commission’s recognized planning target or threshold for sea-level rise exposure. Currently, the recognized planning threshold is 3.2 feet of sea-level rise. The planning threshold may change based on best available scientific information.](#)

1. Conduct a detailed vulnerability assessment ~~for the SLR-XA and other hazards for~~ of all existing County infrastructure and facilities in West Maui that are within the State-recognized sea-level rise exposure area, and subject to other coastal hazards. Coordinate with the State on key State infrastructure and facilities such as highways and schools. (CIP Coordinator/MD office) [\(Edited per CPAC discussion and input from Planning Department and UH Sea Grant\)](#)
2. Conduct a feasibility study on ~~shoreline-managed~~ retreat of at-risk development in West Maui. ~~Issues to be studied should~~ include at a minimum, an analysis of alternatives and interim steps to achieve ~~shoreline-managed~~ retreat, ~~such as~~

~~establishing retreat areas and receiving areas for areas threatened by coastal hazards, and use of a programmatic Environmental Impact Statement to identify incentives incentivize for proactive retreat, and develop programmatic environmental documents to assist in implementing managed retreat.~~

~~(Mayor Planning)~~ (Edited per CPAC discussion and input from Planning Department and UH Sea Grant)

3. Establish special improvement districts and community facilities districts as appropriate for areas threatened by coastal hazards in West Maui. (County Council, Planning) (CPAC Consensus – no change)
4. Create and implement beach management plans for beach cells in West Maui. (Planning) (CPAC Consensus – no change)
5. Prepare and implement an acquisition strategy for parks in West Maui, considering the potential for sea-level rise and climate change. (DPR) (CPAC Consensus – as amended)
6. Integrate the State-recognized sea-level rise exposure area into West Maui capital improvement planning for all County departments and public facilities. (CIP Coordinator) (New action added based on CPAC discussion and input from Planning Department and UH Sea Grant)
7. Fund additional sea-level rise exposure modeling for six feet or more of sea-level rise to use in vulnerability assessments of critical infrastructure and facilities. (Planning) (New action added based on CPAC discussion and input from Planning Department and UH Sea Grant)
8. Work with the State Department of Health Clean Water Branch to identify next steps in addressing the impact of sea-level rise on on-site disposal systems (i.e., cesspool and septic systems) and develop remediation plans. (DEM) (New action added based on CPAC discussion and input from Planning Department and UH Sea Grant)
9. Develop an inventory of natural and cultural resources and practices impacted by sea-level rise along with preservation plans. (Planning) (New action added based on CPAC discussion and input from Planning Department and UH Sea Grant)
10. Evaluate shoreline access locations to be impacted by sea level rise and identify solutions to preserve shoreline access. (Planning) (New action added based on CPAC discussion and input from Planning Department and UH Sea Grant)
11. Propose amendments to the Special Management Area (SMA) boundaries to account for sea level rise and other hazards, as well as other SMA criteria. (Planning) (New action added based on CPAC discussion and input from Planning Department and UH Sea Grant)

~~5.12.~~ [Adopt siting and design standards to enhance resilience in public housing and affordable housing projects. \(DPW\) \(New action added based on CPAC discussion and input from Planning Department and UH Sea Grant\)](#)

Fire and Emergency Management

~~6.13.~~ [Develop a wildfire information campaign with signage to build public awareness of wildfire hazards. Improve community awareness of the human, economic, and environmental costs associated with wildfires caused by negligence or accident. Engage the community to create and maintain fire breaks, and to consider native dryland plants in landscaping in the drier areas of West Maui. \(MFD\) \(CPAC Consensus – no change\)](#)

~~7.14.~~ [Propose amendments to Amend the Maui County Code to require new developments to incorporate defensible space around structures and communities and require ongoing maintenance of defensible spaces. \(DPW\) \(CPAC Consensus – as amended\)](#)

~~8.15.~~ [Propose amendments to Amend the Maui County Code to require landowners of large vacant land in high fire hazard areas to prepare and carry out a fuel management plan and ensure it will not impact historic properties. \(DPW\) \(CPAC Consensus – as amended\)](#)

~~16. Build~~ [Conduct a feasibility study to determine the appropriate place for a new fire station along Honoapi'ilani Highway, south of Lahaina, to address increased call volume and improve response time in that area. \(MFD\) \(CPAC Consensus – as amended\)](#)

~~9.17.~~ [Develop a plan to provide fire protection for homes on kuleana lands. \(MFD\) \(New action added from CPAC\)](#)

~~10.18.~~ [Develop a disaster preparation plan and a post-disaster recovery and reconstruction plan for West Maui. \(MEMA, Department of Planning\) \(CPAC Consensus – as amended\)](#)

~~11.19.~~ [Annually fund maintenance of a GIS database of all emergency management infrastructure fire suppression infrastructure, such as hydrants, fire stations, and locations of firefighting apparatus, and collection of post-fire incident monitoring data. \(ITS\) \(CPAC Consensus – as amended\)](#)

~~12.20.~~ [Identify additional emergency shelter facilities that include storage of supplies and are located away from areas susceptible to natural hazards in West Maui. \(MEMA\) \(CPAC Consensus – no change\)](#)

~~21.~~ [Identify emergency evacuation routes throughout West Maui. \(MEMA\) \(CPAC marked for revisit\)](#)

22. Plan and build fire breaks and bioswales that can be used for recreational paths and greenways around existing development and between new developments. (MEMA) (New action added from CPAC)

23. Develop and implement a more robust communication system during emergencies. (MEMA) (New action added from CPAC)

~~13.~~24. Develop a resiliency hub appropriate for the West Maui community. (Mayor's Office) (New action added from CPAC)

Water

26. Develop basal groundwater sources in West Maui to ~~provide for~~timely serve planned population growth and offset decreased surface water diversions. (DWS) (Edited per CPAC discussion and suggestions from DWS)

27. Improve interconnection between Department of Water Supply subsystems in West Maui. (DWS) (CPAC Consensus – no change)

28. Develop contingency agreements between County and private water purveyors in West Maui. (DWS) (CPAC Consensus – no change)

Wastewater

29. Identify potential new users of recycled water and expand recycled water storage and conveyance systems in West Maui to increase the reuse of recycled water. (DEM) (CPAC Consensus – no change)

30. Study and implement other disposal means to eliminate the ~~decrease~~ use of underground injection control wells. (DEM) (CPAC marked for revisit) (DEM recommends using the term "minimize" instead of "eliminate" to more accurately reflect the County's process to reduce the use of UIC wells.)

31. Improve odor control at the Lahaina Wastewater Reclamation Facility. (DEM) (CPAC Consensus – no change)

Drainage and Stormwater

32. Update the Lahaina Town Drainage Master Plan and develop an implementation plan. (DPW) (Edited per CPAC discussion and input from DPW)

33. Complete the Lahaina Watershed Flood Control project. (DPW) (CPAC marked for revisit)

34. Complete an inventory of drainage facilities in West Maui for use in developing long-term plans for addressing stormwater issues. (DPW) (CPAC marked for revisit)

35. Improve stormwater management systems along Lower Honoapi'ilani Road to minimize stormwater runoff to the ocean. (DPW) (CPAC marked for revisit)

36. Prioritize regular maintenance and clearing of sediment basins in West Maui. (DPW)
(New action added based on CPAC discussion and input from DPW)
37. Support implementation of the County's Storm Water Management Program in
West Maui. (DPW) (New action added based on CPAC discussion and input from
DPW)
- ~~35.~~38. Develop ordinances giving the County rights to inspect flood mitigation channels,
including in residential areas, and levy fines to land owners that do not maintain the
flood mitigation channels. (DPW) (New action added from CPAC)

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