COASTAL DATA EXCHANGE

STATE OF HAWAII MULTI-HAZARD MITIGATION PLAN 2013

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The State Hazard Mitigation Plan:

- Identifies the hazards and risks posed by natural & technological disasters
- Identifies actions & activities to reduce losses from those hazards
- Establishes priorities and a process to implement those actions.

Hazard mitigation is action taken to permanently reduce or eliminate long-term risk from the effects of natural hazards.

The purpose of multi-hazard mitigation is twofold:

1. to protect people and structures from harm and destruction;
2. to reduce the costs of disaster response and recovery.
# Organization of the Plan

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### Hazard Mitigation Plan

#### Ranking of Highest Risks

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<th>Maui</th>
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<td>Hurricanes</td>
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<td>Earthquakes</td>
<td>Earthquakes</td>
<td>Floods</td>
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<td>Lava</td>
<td>Floods</td>
<td>Floods</td>
<td>Dam Failure</td>
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<tr>
<td>Floods</td>
<td>Dam Failure</td>
<td>Dam Failure</td>
<td>Debris Flows &amp; Rockfalls</td>
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Risk is the expected losses from an evaluation of the probabilities of hazards with their potential to cause adverse effects on our life; health; economic well-being; social, environmental, and cultural assets; infrastructure; and the services expected from institutions and the environment.

The Hazard Mitigation Plan analytically ranked the severity of risk as measured by equivalent average annual economic losses.
Planners use the State Hazard Mitigation Plan data for

- County Plans
- General Plans - Incorporate considerations of Multi-Hazards into Planning for Disaster Resilience and economic sustainability
- Hazard Mitigation projects to build greater disaster resilience
- Setbacks
- Shoreline Certification
- Shoreline Permits
- Building Permits
- Special Area Management Permits
- Flood Zones
- Design of Critical Infrastructure and Networks
Summary: The Hazard Mitigation Plan now includes a detailed Disaster Resilient Strategy

- Disaster Resilient Key Areas:
  - Hurricanes, High Winds, and Floods
  - Tsunami and Earthquakes
  - Droughts and Wildfires
  - Other hazards: Volcanic Hazards; Landslide/Rockfall; Coastal Erosion/High Surf / Dam Failures; Hazardous Material
  - Health Vulnerability and Risk
  - Climate Change Adaptation
  - Multi-Hazard Actions
  - Land Use and Building Requirements
  - Infrastructure Resilience
  - Recovery and Macro-Economic Effects
  - Threat Identification and Risk Analysis (THIRA) Implementation
Questions and Comments?

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