Hawaii Annual Report 2013

WSSPC Member Agencies:
Hawaii State Civil Defense

Hawaii State Civil Defense collaborates with several key working groups, including the Hawaii State Earthquake Advisory Committee (HSEAC), Hawaii State Hazard Mitigation Forum (HSMF) and the Tsunami Working Group (TWG), during 2013. These committees continued to work with partners in the private sector, government agencies, the National Tsunami Hazard Mitigation Program (NTHMP-NOAA), National Earthquake Hazard Reduction Program (NEHRP- FEMA), Post Disaster Mitigation (PDM-FEMA), Emergency Management Performance Grant (EMPG-FEMA), University of Hawaii, and the Pacific Disaster Center (PDC) in an ongoing commitment and focus on earthquake and tsunami concerns, risks, and planning. The committees/groups have helped guide research and secured funding for mitigation projects for the State of Hawaii.

State and County Multi-Hazard Mitigation Plans include statewide risk and vulnerability assessments of seismic exposure, as well as proposed mitigation actions and capabilities in the State of Hawaii.

Earthquake:

For twenty years (est. September 1990) the Hawaii State Earthquake Advisory Committee (HSEAC) continues to serve as an advisory body to Hawaii State Civil Defense. The (HSEAC) meets quarterly to promote activities to include but not limited to research, project development and management, and mitigation. In collaboration with the other committees and agencies mentioned above, the list below reflects the seismic efforts in Hawaii.

Current Projects/Activities in 2013:

- Hawaii participated for the first time in the Great Hawaii ShakeOut.
- Hosted WSSPC leadership at several of our HSEAC meeting to review and participate.
- Hosted FEMA training courses
  - ATC-20 Post Earth Quake Safety Evaluation of Buildings and Rapid Observation of Vulnerabilities and Estimation of Risk (ROVER)
- Public Outreach
  - Developed the Tsunami Awareness Program (TAP) to enhance the TunaReady out reach
  - Developed the Hawaii Hazards Awareness & Resilience Program (HHARP) to enhance community resilience throughout Hawaii
  - Completed the Post and Pier Expert System (Home Retrofit Project)
Tsunami Inundation Mapping continues. Current focus on the a M9.2 event generating a large Tsunami in the Aleutian Islands and the impact on the Hawaiian Islands.

Completed PDC Hazus update Implementation of Hazus MR-4 and revision of the EQ scenario Atlas

5-Year Plan for Committee

**Tsunami:**

Projects:
Mapping:
- **Oahu**
  - Mapped and Modeled
  - Tsunami Inundation Mapping – Review Panel Oahu
  - State Approved and Released Data to City and County
  - City and County to Develop Evacuation Map
  - Public Information Campaign and Publishing
- **Hawaii**
  - Mapped and Modeled
  - Tsunami Inundation Mapping – Review Panel Hawaii
  - State Approved and Released Data to Hawaii County
  - Hawaii County to Develop Evacuation Maps
  - Public Information Campaign and Publishing
- **Maui**
  - Mapping and Modeling nears completion
- **Kauai**
  - Slated to begin 4th quarter 2011

Other currently funded projects:
- Tsunami Observer
- New and up-dated outreach material
- EEFI Radio
- Oahu Tsunami Signage
- Tsunami Awareness Kit – Hawai’i
- Hawaii Hazards Awareness & Resilience Program

Current Outreach (TsunamiReady/HHARP/StromReady):
- **Oahu**
  - Kailua
  - MCBH
  - Kaneohe
  - Ewa Beach
  - North Shore
  - Kapolei
  - USCG
  - Pearl Harbor
• New effort on all four counties
  o Hawaii
  o Kauai
  o Maui

Exercises:
• This year State Civil Defense (SCD) exercises, entitled Kai Mimiki (literally translated from Hawaiian to mean a large wave from the sea). SCD conducts a Distant Tsunami exercise and a Local Tsunami exercise annually. Both exercises are coordinated with the monthly testing of the warning sirens. The participants included: Pacific Tsunami Warning Center (PTWC); Hawaii County Civil Defense Agency; Maui County Civil Defense Agency; Kauai County Civil Defense Agency; and Honolulu City and County Department of Emergency Management; the State and County Warning Points, and the National Weather Service (NWS). The April exercise focused on how various federal, state, and county agencies would response and warning of the public of a large earthquake off the Big Island and in October a distant earthquake out of Alaska which produces a tsunami that will impact Hawaiian Islands.
• April is Tsunami Awareness Month in Hawaii due to the historical significance of the April 1, 1946 tsunami. This year working with Pacific Tsunami Museum, Hawaii (Big Island) Civil Defense and others to increase awareness.
• Exercise Makani Pahili 2013 (MP13) was designed to provide an opportunity to exercise collectively with a common hurricane scenario, enhance disaster preparedness for government and private sector agencies statewide, and provide a forum to enable agencies to identify areas for improvement. Exercise participants responded to hurricane Watch and Warning messages as well as guidance received from Civil Defense Agencies. Participating organizations and their planners used the State Civil Defense ExPlan of published damage scenarios to allow their own participants to get the most benefit from the exercise.

Submitted by: Kevin Richards, Earthquake and Tsunami Program Planner, Hawaii State Civil Defense.