

CIVIL DEFENSE

I. Mission Statement

To protect lives and property in the County of Kauaʻi by coordinating and integrating efforts among all levels of government and the private sector to mitigate against, prepare for, respond to and recover from natural disasters, acts of terrorism and other threats and hazards.

II. Department Goals

1. Maintain and improve the operating efficiency of the Emergency Operations Center (EOC).
2. Adapt KCDA's training and exercise program to address the whole-community approach to emergency management.
3. Promote community awareness, preparedness and resilience through education and outreach, publications, media releases, the Community Emergency Response Team (CERT) program and other initiatives.
4. Maintain and enhance the operational ready-status and efficacy of operational communications, redundant voice/data systems and emergency notification and warning systems.
5. Leverage grant funding to supplement KCDA's prevention, preparedness, response, recovery and mitigation efforts.

III. Program Description

1. Objectives

- A. Updating of the County of Kauaʻi Emergency Operations Plan;
- B. Review and maintain other supporting plans, policies and procedures;
- C. Continue to develop and expand All-Hazards Incident Management Team capacity for EOC and field responders;
- D. Implement phased upgrading of EOC equipment, including the main and alternate EOC facilities;
- E. Continue skills development and enhancement via training and exercise participation;
- F. Complete the implementation of the Regional Resource Inventory Database initiative;
- G. Provide prioritized training to develop and enhance the skills and abilities of staff, governmental, private-sector non-governmental and community-based emergency management partners;
- H. Maintain skills and test plans and procedures by regularly hosting and/or supporting exercises;
- I. Coordinate and support county-level participation in offsite training and exercise opportunities.
- J. Continue community outreach efforts via regularly-scheduled events;
- K. Continue to work with schools via outreach and readiness drills;
- L. Continue to support and expand the CERT program;

- M. Produce quarterly media releases relating to community awareness, preparedness and resilience.
- N. Commence and complete funded portions of Phase III of the 800 MHz P25 Maintenance Upgrade project;
- O. Continue to expand and enhance redundant operational and interoperable communications capabilities;
- P. Maintain notification and warning systems while expanding the number of trained user/operators.
- Q. Continue to leverage, implement and manage Homeland Security Grant Program funding;
- R. Continue to leverage, implement and manage Emergency Management Performance Grant funding;
- S. Implement and manage other sources of grant funding, as feasible.

2. Highlights

- A. Updated the 5-year All-Hazards Mitigation and Resiliency Plan.
- B. Developed and/or enhanced various Incident Action Plans.
- C. Updated Tsunami Evacuation Maps to include a new “Extreme Tsunami” evacuation zone for Kaua‘i and the first evacuation zones for the Island of Ni‘ihau.
- D. Maintained EOC operational readiness and County/State/Federal/NGO engagement and coordination through the record-setting 2015 Central Pacific hurricane season.
- E. Siren Modernization Project Phase II completed, with 9 new Civil Defense Outdoor Warning Sirens at Wailua Houselots, Wailua Golf Course (south), Hanamā‘ulu Beach Park, Puhi, Kōloa Town, Po‘ipū Beach Park, Halewili Road, Kalawai Park and Kekaha Chinese Cemetery.
- F. 800 MHz public safety radio system Phase II maintenance upgrade project completed, Phase III commenced.
- G. New multi-year emergency mass-notification system (phone, text messaging, email) system/service procured and contracted.

3. Activities

- A. Operations – Consists of various aspects of Civil Defense operations, such as but not limited to:
 - i. Agency administration;
 - ii. Federal/State/County/non-governmental interface/operational coordination;
 - iii. Public information and warning;
 - iv. Public shelters/mass-care;
 - v. Emergency Operations Center (EOC) and alternate EOC systems readiness;
 - vi. EOC management and activation;
 - vii. Special projects, such as, but not limited to;
 - Siren Modernization Project;

- Tsunami Evacuation Zone 2016 update;
 - Visitor industry evacuation initiative;
 - Other County and statewide initiatives/groups/committees;
- B. Training and Exercises – Consists of planning, coordination, funding and/or hosting of FEMA/Homeland Security and related courses and Homeland Security-compliant exercises targeting first-responders and emergency management partners at all levels of government and the private sector, so that all can prepare for, respond to and recover from a full, all-hazards spectrum of emergencies, hazards and disaster events.
- C. Planning – Consists of plan development, validation and maintenance and related initiatives, such as but not limited to:
- i. County Emergency Operations Plan;
 - ii. Multi-Hazard Mitigation and Resilience Plan;
 - iii. Continuity of Operations Plan;
 - iv. Hurricane Response Framework;
 - v. Local Emergency Planning Committee (LEPC) support;
 - vi. Tsunami and Dam Safety evacuation zone planning;
 - vii. Threat and Hazard Identification and Risk Assessment (THIRA);
- D. Grant Management – Consists of all-aspect management of various grants, such as:
- i. State Homeland Security Grant Program;
 - ii. Emergency Management Performance Grant;
 - iii. Environmental Response Revolving Fund;
- E. Community outreach/education – Consists of community and partner education, outreach to schools and community groups, information dissemination at public events, preparedness seminars, etc.
- F. Telecommunications – Consists of management and maintenance of various primary, interoperable and redundant communications systems and participation in related preparedness and response activities, such as but not limited to:
- i. County’s 800 MHz trunked radio system and ongoing upgrades;
 - ii. Interoperable communications packages – ACU-2000 systems;
 - iii. Transportable Repeaters for Interoperable Communications (TRIC) packages;
 - iv. Daniels portable repeater packages;
 - v. Satellite-based systems
 - Broadband Global Area Network (BGAN) packages;
 - Fixed satellite systems;
 - vi. Statewide Communications Interoperability Plan support;
 - vii. Tactical Interoperable Communications Plan (local TICP);
 - viii. Military/partner interface;
 - ix. Support of KPD Dispatch/911; etc.

IV. Program Measures – Accomplishments/Evaluation

Goal 1: Maintain and improve the operating efficiency of the Emergency Operations Center (EOC).

Objectives:

- Review and maintain other supporting plans, policies and procedures;
 - Updated the All-Hazards Mitigation and Resiliency Plan, ensuring 44 Code of Federal Regulations Part 201.6 Local Mitigation Plans compliance through August 2020
 - Developed and/or enhanced various Incident Action Plans
 - Participated in State Catastrophic Hurricane Plan Update
 - Tsunami Evacuation Map Updates incorporating Extreme Aleutian scenario developed and subsequently approved by Mayor - Scheduled for formal release in April 2016
- Continue to develop and expand All-Hazards Incident Management Team capacity for EOC and field responders;
 - Expanded AHIMT-trained personnel and position-specific trained personnel
 - Commenced with formalization/guideline development
 - Utilized AHIMT for various events, such as EOC activations, large event Incident Action Planning and Dengue/Zika response planning
- Implement phased upgrading of EOC equipment, including the main and alternate EOC facilities;
 - Although limited by funding, performed maintenance and equipment upgrades to various EOC components, such as battery backups, PCs, redundant communications systems, projector bulb replacements, etc.
- Continue skills development and enhancement via training and exercise participation.
 - KCDA accomplished this on the agency and stakeholder levels, via various training and/or exercise opportunities in addition to real-world events/activations. This ties in with Goal 2 below.

Goal 2: Adapt KCDA's training and exercise program to address the whole-community approach to emergency management.

Objectives:

- Provide prioritized training to develop and enhance the skills and abilities of staff, governmental, private-sector non-governmental and community-based emergency management partners;
- Maintain skills and test plans and procedures by regularly hosting and/or supporting exercises;
- Coordinate and support county-level participation in offsite training and exercise opportunities.

KCDA met this goal and associated objectives by planning and maintaining a very robust training and exercise program. Coordinated/hosted various trainings such as: Damage Assessment (IDAM), Incident Command System 300/400, Homeland Security Exercise and Evaluation Program Training, Tsunami Awareness, Natural Disaster Awareness, NOAA Grant Training and more. Exercises included: Dam Safety, Earthquake/Tsunami, Catastrophic Hurricane Plan Tabletop, and more.

FY16 Training/Exercise Calendar Items:

EVENT	DATE(S)
IDAM Damage Assessment Software Training	July 1, 2015
ICS 300 & 400 Intermediate and Advanced ICS	July 27 - 30, 2015
Dam Safety Training & Exercise w/DLNR	September 3, 2015
Homeland Security Exercise Evaluation Program Training	September 29-30
Great American Shakeout (earthquake/local tsunami exercise)	October 15, 2015
Catastrophic Hurricane Plan Tabletop Exercise	October 29, 2015
NOAA Wet Season Briefing/Product Training	October 30, 2015
Tsunami Awareness Training	November 3, 2015
National Disaster Awareness for Security Professionals Training	November 4, 2015
Statewide Visitor Evacuation Tabletop Exercise	November 9, 2015
NOAA Grant Training	December 17, 2015
Extreme Tsunami Evacuation Zone Seminars (2)	February 4, 2016
Building a Resilient Hawai'i Workshop	February 17-18, 2016
MGT 312 Senior Officials Workshop for All-Hazards Preparedness	25-Feb-16
NOAA Crisis Communications and Media Response Training	March 10, 2016
WebEOC Emergency Management Software Training	March 10, 2016
PER-304 Social Media for Natural Disaster Response and Recovery	March 30, 2016
MGT-346 EOC Operations and Planning	April 5-7, 2016
FEMA Mitigation Grant Training	April 19, 2016
AWR-308 Natural Disaster Awareness for Caregivers of Senior Citizens	April 27, 2016
CAMEO Training	May 2-5, 2016
ICS 300 & 400 Intermediate and Advanced ICS	May 10-13, 2016
NOAA Hurricane Awareness and 2016 Season Outlook Training	May 26, 2016

Makani Pahili 2016 Visitor Industry Awareness & Preparedness Seminars (2)	June 1, 2016	
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<p>Goal 3: Promote community awareness, preparedness and resilience through education and outreach, publications, media releases, the Community Emergency Response Team (CERT) program and other initiatives.</p>
<p>Objectives:</p> <ul style="list-style-type: none"> • Continue community outreach efforts via regularly-scheduled events; <ul style="list-style-type: none"> ○ Performed outreach with emergency management partners, community associations/groups, visitor industry partners, etc. throughout the year on issues such as hurricane preparedness, tsunami and overall community hazard awareness and resiliency. • Continue to work with schools via outreach and readiness drills; <ul style="list-style-type: none"> ○ Conducted and/or participated in student education/outreach, site visits, drills, career day events, etc. • Continue to support and expand the CERT program; <ul style="list-style-type: none"> ○ Supported continued grant funding of the CERT program and participated in CERT meetings/graduations. • Produce quarterly media releases relating to community awareness, preparedness and resilience. <ul style="list-style-type: none"> ○ The record-setting Central Pacific Hurricane Season, siren and Tsunami Evacuation Zone update project completions, along with the Hawai‘i-Island Dengue outbreak and Governor’s emergency declaration resulted in far more media releases than our initial quarterly objective.

<p>Goal 4: Maintain and enhance the operational ready-status and efficacy of operational communications, interoperable communications, redundant voice/data systems, and emergency notification and warning systems.</p>
<p>Objectives:</p> <ul style="list-style-type: none"> • Commence and complete funded portions of Phase III of the 800 MHz P25 Maintenance Upgrade project; <ul style="list-style-type: none"> ○ Phase III-associated projects have proceeded, along with radio replacements and cutover preparation via synergistic use of County and leveraged grant funding. ○ State funding of \$2.1 M for Phase III of the 800 MHz P25 Maintenance Upgrade Project has been contracted, with targeted completion by the end of calendar year 2016.

- Continue to expand and enhance redundant operational and interoperable communications capabilities;
 - KCDA has continued to expand, and enhance redundant communications via training, exercises and planning.

- Maintain notification and warning systems while expanding the number of trained user/operators.
 - KCDA maintained notification and warning systems, trained additional users/operators and most notably worked with the State to expand/modernize outdoor warning sirens via Phase II of the Siren Modernization Project, including new sirens at: Wailua Houselots, Wailua Golf Course (south), Hanamā‘ulu Beach Park, Puhī, Kōloa Town, Po‘ipū Beach Park, Halewili Road, Kalawai Park and Kekaha Chinese Cemetery.
 - KCDA successfully procured and awarded a new multi-year contract for an emergency mass-notification system (phone, text, email).

Goal 5: Leverage grant funding to supplement KCDA’s prevention, preparedness, response, recovery and mitigation efforts.

Objectives:

- Continue to leverage, implement and manage Homeland Security Grant Program funding;
 - KCDA secured **\$685,000** in FY2015 Homeland Security Grant funding
 - KCDA managed approximately **\$1,240,552** in open Homeland Security Grant funding

- Continue to leverage, implement and manage Emergency Management Performance Grant funding;
 - KCDA secured and managed **\$125,000** in FY2015 Emergency Management Performance Grant funding

- Implement and manage other sources of grant funding, as feasible.
 - The unprecedented 2015 Central Pacific Hurricane Season and lean staffing limited additional grant efforts. However, KCDA staff supported the Local Emergency Planning Committee’s ERRF funding via the Grant Coordinator and KPD’s E-911 via the Telecom Officer.

Note that two FY 2016 objectives were not accomplished:

- Updating of the County of Kaua‘i Emergency Operations Plan;
 - Lack of appropriate County or grant funding, combined with higher prioritization of other projects resulted in KCDA post postponing this endeavor. We will attempt to address this with in FY 2017.
- Complete the implementation of the Regional Resource Inventory Database initiative.
 - Initiative stalled statewide and is unlikely to be re-initiated on the statewide level at this time.

V. Budget

	CFY 2015 Actual	CFY 2016 Actual	CFY 2017 Appropriation
Equivalent Personnel (E/P)	6 (1 grant)	4 (1 part grant funded)	6 (2 grant)
Salaries & Wages	518,098	361,145	499,378
Operations	1,181,837	1,269,989	807,960
Equipment/Furniture	2,155	70	30,000
Vehicle	39,589	24,350	0
Program Total	1,741,679	1,655,554	1,337,338

VI. Statistics

	CFY-2015 Actual	CFY-2016 Actual	CFY-2017 Estimated
Total Sirens & Simulators Installed	47	53 (+1 out of commission/slated for replacement)	59+
Total Sirens Upgraded (or New)	9	9	6 (additional units pending)
EOC Activations	4	6 (Flash Flood Warnings) + 1 Tsunami Watch/Advisory	10
Disaster Threats Monitored (New Event products & Individual Storms)	141	133: 17 Central Pacific Tropical Cyclones 75 High Surf 31 Rain/Flood	125

		7 Wind 1 Heat/Humidity 2 Tsunami (Watch & Advisory)	
CD Exercises	10	9	6
CD Training Sessions	12	20	10
Total Estimated Personnel Trained (includes exercises)	520	400	400
CD Public Presentations	34	25: 14 NGO/Mixed/ Community-based 5 DOE 4 Other Gov't 2 Radio Media	20
Blackboard Emergency Mass-Notification Messages	11 KCDA (50 DoW)	6 KCDA (30 DoW)	11 (No estimate for Department of Water)
Blackboard Persons/Contacts Notified	225,818 KCDA (32,333 DoW)	147,467 KCDA (16,708 DoW)	200,000 KCDA (No estimate for Department of Water)
Number of Public Shelters	17	17	17
Disaster Publications	9 – Activation information 3 – Exercise/ testing information 6 – Outreach/ informational	20 - Flash Flood Information 3 - Tsunami Watch/Advisory 8 – Outreach/ Information/ Education	10

VII. Holo Holo 2020 Projects & Status