

# KAILUA

## Multi Hazard Mitigation, Preparedness, Response, & Recovery Plan

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*DISASTER RECOVERY BEGINS BEFORE A DISASTER  
(American Red Cross)*



*This plan is intended to serve as a reference and does not replace common sense, sound judgment, and prudent actions in response to a disaster. Every effort has been made to ensure the accuracy of this plan. However, the Kailua Neighborhood Board's Sub Committee on Disaster Preparedness along with the City and County of Honolulu Department of Emergency Management and The Hawaii Emergency Management Agency (HI-EMA) assumes no responsibility and disclaim any liability for any injury or damage resulting from the use or effects of the products or information specified in this Plan.*



**A Storm Ready/Tsunami Ready Community  
First City in the State of Hawaii to be recognized 2012**

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## ***Purpose of Plan***

The purpose of this Plan is to educate and train the Kailua community about the “all hazard approach” to **disaster preparedness, mitigation, response, and recovery**, and to reduce the impact of a disaster upon the Community.

### Plan Objectives:

- Kailua shall become an “all hazards” resilient community.
- Kailua shall become a sustainable community during and after a disaster.
- Kailua shall be self- sufficient for at least 72 hours or more, and able to sustain itself until County, State, Federal, or Military assistance arrives.

## **Geography and Demographics**

The community is defined as ***Kailua*** -as a whole- and incorporates all residents, Keikis/Senior Citizens, schools, faith based groups, and business owners in:

- Sub District 1 -Kalaheo Avenue, Lanikai, Kailua Beach, Kaimalino
- Sub District 2 - Enchanted Lake, Keolu Hills
- Sub District 3 - Maunawili, Olomana, Pohakapu, Kukunono
- Sub District 4 - Coconut Grove, Aikahi, Kailua Town, Kalaheo Hills

## **Community Involvement**

The City & County’s well-established elected Neighborhood Board system provides community-based forums and involves the general public to participate in government decision making which affects his or her community.

The Kailua Neighborhood Board’s (KNB) Committee on Public Health, Public Safety, & Civil Defense (PHPS&CD) shall designate a sub-committee, The Kailua Disaster Preparedness Sub Committee (KDPSC) to address disaster preparedness.

The KDPSC shall be facilitated by the Chair of the PHPSCD Committee.

The Kailua Disaster Preparedness Sub-Committee (KDPSC) shall consist of Key Stake holders responsible with hazard mitigation planning.

Key Stakeholders include but are not limited to:

- Kailua Residents, Businesses, Community Associations, Faith Based Groups, Schools, Elected Officials, the Castle Medical Center.
- Front line agencies involved in emergency and disaster response and recovery.
- Key sectors that are involved with sheltering, evacuation, and recovery.
- The Chair of the KNB and two members from the PHPSCD Committee

**Plan Development, Implementation, and Maintenance.** The Kailua Disaster Preparedness Sub-Committee is charged with developing, implementing, and maintaining an emergency response plan for Kailua. The Plan shall be reviewed and updated annually.

**Plan Description and Infrastructure.**

The Plan incorporates formation of Work Groups. (Update 2014 – Work Groups replaced by Core Group to address on-going objectives. Initial Objectives have been completed by Work Groups 2011-2014.)

Each work group consists of a Chair, Vice Chair, and additional members from the community and/or subject matter experts, as required. The work groups shall meet as often as necessary to accomplish their objectives. Each work group shall develop its goals and objectives to achieve based upon SMART objectives:

- S = Specific- Be precise about what the group will be achieving.
- M= Measurable – Quantify your objectives.
- A = Achievable – Challenging but reachable.
- R= Realistic – Do you have the resources to make the objective happen (staffing, money, time, etc.)?
- T = Time – State when you will achieve the objective (within a month? Etc.)

Work Group Chairs and designees shall attend the over-all coordinating Kailua Disaster Preparedness Sub Committee meeting and present their progress reports and/or request for additional assistance. The Kailua Disaster Preparedness Sub Committee shall initially meet monthly and may extend to quarterly meetings.



## EMERGENCY / DISASTER GUIDELINE

This guideline is intended to serve as a reference and does not replace common sense, sound judgment, and prudent actions in response to a disaster.

### **RESPONSE TO ANY EMERGENCY OR HAZARD**

You may be alerted to the emergency by the sounding of civil defense sirens, nixle alerts from Honolulu DEM-via email and/or text messages (for people who voluntarily sign up for this free notification service) and other Agencies.

Nixle alerts can be downloaded from [www.oahudem.org](http://www.oahudem.org)

When you hear the sirens, tune to any radio or TV station for emergency information and instructions. Evacuation instructions may be issued over the Emergency Alert System (EAS) via radio (KSSK AM 590/FM 92.3) and TV through police, civil defense, or from Civil Air Patrol aircraft.

Foreign language broadcasts of emergency information may be found on:

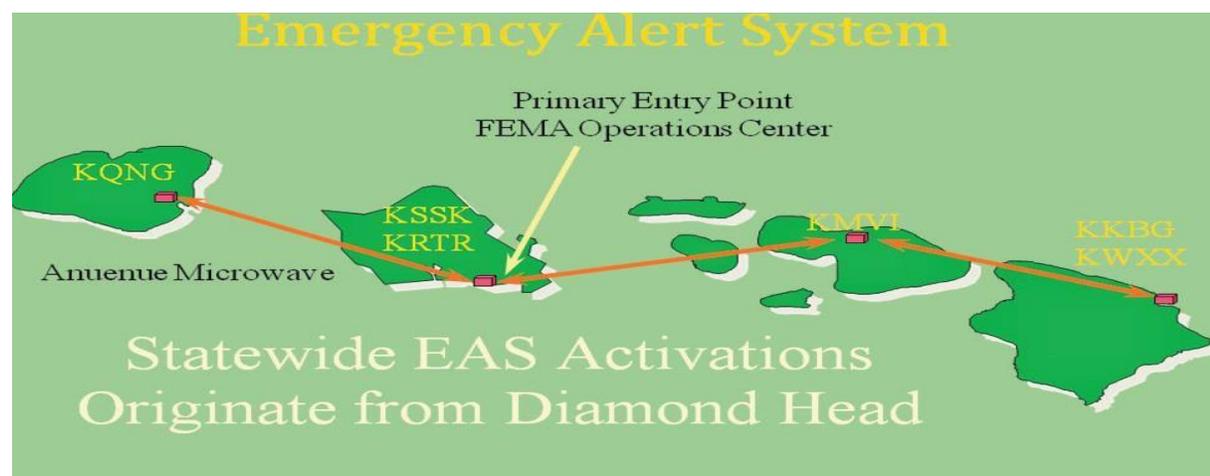
KNDI, KZOO (Japanese)

KREA (Korean).

KNDI AM 1270 (Multi-Cultural – Filipino, Samoan, Tongan, Hispanic, Chinese, Okinawan, Vietnamese, Laotian, Marshallese, Pohnpeian, and Chuukese)

Other broadcasts may include the **NOAA Weather Radio**: Live broadcasts from the National Weather Service on warnings, watches, forecasts and other hazard information 24 hours a day, every day. NOAA Weather Radio broadcasts on frequencies 162.400 (channel 1), and 162.550 (channel 7) in the Hawaiian Islands.

NOAA weather radios can be purchased at local electronic stores, mail order catalogs and various other locations.



## **FAMILY PREPAREDNESS**

### **Your family preparedness plan should include:**

- Escape routes. Draw a floor plan of your home with escape routes from each room. Identify at least two (2) safe places to meet in the event of an emergency.
- Communications plan. Your family may not be together when disaster strikes, so plan how you will contact one another and where to go in an emergency.  
Central Contact Person (CCP): Identify and designate a family member or friend who resides outside the State of Hawaii as the CCP. If your family is not together when disaster strikes each member shall call the CCP and leave message of their current location and status. The CCP will notify and update rest of the family members. Remember to provide everyone with the CCP's active phone number.
- Gas Line shut-off and safety. In the event of a disaster, you may be instructed to shut-off the utility service at your home. Because there are different gas shut-off procedures for different gas meter configurations, it is important to contact your local gas company for guidance on preparation and response regarding gas appliances and gas service to your home. You must call the Gas Company to turn your gas back on.
- Close the water shut-off valve to minimize water loss and water pressure.
- Locate your electricity circuit box and show family members how to shut off the electricity.
- Insurance and vital records. Gather property, health, and life insurance documents and keep in a safe place.
- Consider purchasing flood insurance to reduce your risk of flood loss.
- Take photos or a video of the interior and exterior of your home and include personal belongings in your inventory for insurance purposes.
- Keep some cash in a safe place at home as ATM machines may not work following a disaster.
- Special needs. If you or someone close to you has a disability or a special need, you may have to take additional steps to protect yourself and your family in an emergency. Make arrangements for special assistance such as transportation to a shelter.  
Keep specialized items ready, including medication, oxygen, medical devices and any other items you might need.
- Caring for animals. Identify pet friendly shelters. Gather pet supplies, food and water for seven days, including a pet carrier. Ensure your pet has proper ID and current veterinarian records.
- Safety skills. Learn first aid and CPR. Learn how to operate a fire extinguisher.
- Disaster supply kit. Your disaster supply kit should contain essential food, water, and supplies for at least seven- days.  
Keep this kit in a designated place and have it ready in case you have to leave your home quickly. You should also have a kit in your car.

- Medication list. Keep a current list of medication needed by all family members and keep on hand at least seven days of vital medications and supplies. Take them with you if you have to evacuate to a shelter or other location.
- Evacuation guidelines. The amount of time you have to leave will depend on the hazard. Know your evacuation route.  
Keep a full tank of gas in your car if an evacuation seems likely. Make transportation arrangements if you do not own a car.  
Leave early enough to avoid being trapped by severe weather.

### Develop a seven day disaster supply kit:

- **Water**- One gallon of water per person for seven days for drinking, cooking and sanitation.
- **Non-perishable food** that does not require cooking- crackers, peanut butter, canned tuna, spam, Vienna sausage, etc. Remember to pack a manual can opener.
- **Eating utensils** – fork, spoon, knives, chop sticks, plates, cups.
- **Radio** – battery powered or hand cranked radio with NOAA channel.
- **Light** – flash light, portable fluorescent light. Remember SPARE BATTERIES (check annually)
- **First Aid** – get a good kit and enroll in a First Aid class.
- **Sanitation** – moist towelettes, garbage bags w ties for personal sanitation.
- **Baby** – formula, food, diapers
- **Elderly** – medical supplies and equipment.
- **Prescription and non- prescription medication**, glasses, etc.
- **Pet**- food and enough water, baggies for waste.
- **Whistle, Map, Dust Mask, Gloves, tools** (wrench, duck- tape, shovel,)



## **FIRE**

### **Brush fire prevention tips:**

- Check your insurance for adequate coverage from a fire hazard.
- People start most wildfires. Promote and practice fire safety with all members of your family.
- Do not discard cigarettes from moving vehicles. Use ashtrays instead. Properly extinguish fire when cooking or grilling outdoors and never leave fire unattended.
- Plan several escape routes away from your home.
- Design and landscape your home with wildfire safety in mind. Create a buffer zone of non-combustible material around your home. Rake leaves and remove dead limbs and twigs. Clear all flammable vegetation next to the home.
- Have a garden hose long enough to reach any area of your home and property.
- Use non-combustible materials on the roof, if possible, and regularly clean the roof and gutters.

### **When wildfires threaten:**

- Listen to the radio or television for information about where the danger is.
- Prepare your family, pets, and supplies in case you have to evacuate.
- If told to evacuate, do so immediately.
- Drive a route away from the fire hazard and listen to public safety officials.

### **Red Flag Warning:**

- A Red Flag Warning is a forecast warning issued by the National Weather Service to inform area firefighting and land management agencies that conditions are ideal for brushfire ignition and propagation due to drought conditions and very low humidity, and especially when high or erratic winds are a factor.
- Outdoor burning bans may also be proclaimed by local officials based on Red Flag Warnings.
- To the public, a Red Flag Warning means high fire danger with increased probability of a quickly spreading brushfire in the area within 24 hours. Early notification is critical to responding agencies - report problems as soon as you are made aware of them. Most importantly, have a family evacuation plan in place. If given only 5 minutes to evacuate your home, consider in advance what items you would take with you.

## **EARTH QUAKE**

### During an Earthquake:

- Stay calm. First and foremost, having an emergency plan will help you and your family/employees remain calm.
- Turn on your radio for information.
- Stay put. If you are indoors, stay there.
- DROP to the ground; take COVER by getting under a sturdy table or other piece of furniture; and HOLD ON until the shaking stops. If there isn't a table or desk near you, cover your face and head with your arms and crouch in an inside corner of the building.

Stay away from glass, windows, outside doors and walls, and anything that could fall, such as lighting fixtures or furniture

If no protection is available, drop to the floor and cover your head with your hands. Make sure others are in a duck-and-cover position.

Don't be surprised if the electricity goes out, or if fire alarms and sprinklers go on.

- If outdoors stay there.

Move away from buildings, streetlights, and utility wires.

Once in the open, stay there until the shaking stops. The greatest danger exists directly outside buildings, at exits and alongside exterior walls. Many of the 120 fatalities from the 1933 Long Beach earthquake occurred when people ran outside of buildings only to be killed by falling debris from collapsing walls.

Ground movement during an earthquake is seldom the direct cause of death or injury. Most earthquake-related casualties result from collapsing walls, flying glass, and falling objects.

### After an Earthquake:

- Keep others safe and relaxed. Carefully evaluate the situation and make sure everyone is alright.
- Don't move the seriously injured unless they are still in danger. Administer first aid if necessary.
- Check natural gas, water and electrical lines for damage.
- Do not use the telephone, light switches, matches, candles, or other open flame unless you are absolutely certain there is no natural gas leaking.
- Do not touch electrical power lines or broken electrical equipment.
- Be prepared for aftershocks.

***Note: A strong local earthquake may generate a tsunami. Evacuate to high ground immediately if you are in a tsunami evacuation zone.***

## TSUNAMIS

Tsunamis can occur at any time and impact all shoreline areas on Oahu. Check to see if your home/work place is within a tsunami evacuation zone. Look at the current tsunami evacuation maps and the **Extreme Tsunami (XT)** evacuation maps in several publications (phone book, NIXLE, Library of Hawaii, or map book), downloadable electronic files ([www.oahuDEM.org](http://www.oahuDEM.org)) or check the Pacific Tsunami Warning Center's website <http://ptwc.weather.gov/>.

### Evacuation

If you are in an evacuation zone you must leave if ordered to do so. Head for higher ground or to a designated Refuge Shelter/Area. If you are outside a tsunami evacuation zone, stay where you are and don't go sightseeing.

➤ **Tsunami Refuge Centers/Area:**

Tsunami Refuge Centers/Areas will open during a Tsunami Warning and Evacuation. You should know the location of your two (2) nearest Tsunami Refuge Centers/Areas but do not go there until instructed to do so.

DEM's current list of Refuge Center for Kailua/Area- ~~Kailua District Park @ 21 South Kainalu Drive or the Kaneohe District Park @ 45 660 Kealahala Rd., Kaneohe.~~

(**Update:** Refer to Addendum VI Refuge Centers/Refuge Areas in Kailua, Pg.20)

Listen to radio and television for Tsunami Refuge Center/Area locations, instructions and opening schedule. Be aware Tsunami Refuge Centers do not stock supplies.

You must bring all of your emergency supplies with you. If you know someone who does not speak English or someone who, due to a disability cannot receive emergency information readily, we highly recommend forming a core group of family or friends who can assist with translations or providing important emergency information as well as assisting with disaster prepared actions and if needed, evacuation

- **Vertical Evacuation-** evacuate to the third floor of a reinforced concrete or steel structure away from the beach and on higher ground.
- For **Extreme Tsunami (XT)** evacuation- Evacuate to the FOURTH floor or above in a reinforced concrete or structured steel building of TEN stories or more. If you are safe, stay off roadways so emergency responders can have clear access.
- **Emergency Shuttle:**  
During a declared disaster, "**The Bus**" will shuttle people from an evacuation zone to a refuge center – free.

- **Alerts, Warnings, and Notification - Distant Tsunami**  
The Department of Emergency Management (DEM) will sound sirens at 3 hours prior, 2 hours prior, 1 hour prior, and 30 minutes prior till wave arrival for the island of Oahu.
- **Tsunami Watch:** A Tsunami Watch is issued when a major earthquake has occurred in distant areas of the Pacific Basin and a tsunami may have been generated that will impact Hawaii. Prepare to evacuate the coastlines. The media may announce a tsunami watch.
- **Tsunami Warning:** is issued when the Pacific Tsunami Warning Center has confirmed that a tsunami has been generated.  
**Evacuate the coastlines immediately!** Civil Defense will sound sirens statewide, at least three hours prior to first wave arrival in Hawaii.  
When you hear the sirens, turn on your radio or TV. Listen to Civil Defense official announcements and instructions.
- **Tsunami Advisory:** is issued due to the threat of a potential tsunami. Strong currents are likely. Local officials may close beaches, evacuate harbors. Stay away from shore.
- **All Clear:** Listen to radio or TV for the City's Department of Emergency Management's "All Clear" announcement that it is safe to return to the coastline.

#### **For Local Tsunami**

- **If you feel the ground shake and are along the coastline, immediately evacuate inland to higher ground. Don't wait to be told to evacuate.** An earthquake in the Hawaiian Islands may have generated a local tsunami which could strike the coastline in minutes. Turn on your radio and TV for instructions.
- **Tsunami Warning:** A large earthquake has occurred in the Hawaiian Islands and a local tsunami may have been generated. Immediately evacuate low-lying coastal areas. Sirens will sound in designated counties. When you hear the sirens, turn on your radio or TV. Listen to Civil Defense official announcements and instructions.
- **Vertical Evacuation:** Currently vertical evacuation is not an option in the Kailua area due to no sound structure in the evacuation zone.
- **All Clear:**  
Listen to radio or TV for the City's Department of Emergency Management's "All Clear" announcement that it is safe to return to your homes but be sure that the all clear is intended for the Kailua Area.

## HURRICANE

**A TROPICAL STORM WATCH** is an announcement that tropical storm conditions (sustained winds of 39 to 73 mph) are possible within the specified coastal area within 48 hours.

**A TROPICAL STORM WARNING** is an announcement that tropical storm conditions (sustained winds of 39 to 73 mph) are expected somewhere within the specified coastal area within 36 hours. Refer to the following websites: [www.weather.gov/hawaii](http://www.weather.gov/hawaii) and [www.weather.gov/cphc](http://www.weather.gov/cphc)

**A HURRICANE WATCH** is an announcement that hurricane conditions (sustained winds of 74 mph or higher) are possible within the specified coastal area. Because hurricane preparedness activities become difficult once winds reach tropical storm force, the hurricane watch is issued 48 hours in advance of the anticipated onset of tropical-storm-force winds.

**A HURRICANE WARNING** is an announcement that hurricane conditions (sustained winds of 74 mph or higher) are expected somewhere within the specified coastal area. Because hurricane preparedness activities become difficult once winds reach tropical storm force, the hurricane warning is issued 36 hours in advance of the anticipated onset of tropical-storm-force winds.

**HURRICANE STORM SURGE** up to ten-fifteen feet can hit coastal shoreline areas during the storm. Most hurricane related deaths occur when residents do not evacuate coastal areas. Be prepared to **EVACUATE**. Review evacuation maps in the Preparedness section of the phone book or visit the Department of Emergency Management's website [www.oahuDEM.org](http://www.oahuDEM.org)

To prepare for a hurricane, you should take the following measures:

- Make plans to secure your property. Prepare to board up windows with 5/8" plywood. Tape does not prevent windows from breaking.
- Install hurricane straps or additional clips to securely fasten your roof to the frame structure. This will reduce roof damage.
- Place important documents, i.e. insurance policies, bank account information, credit card information, important contact numbers, etc. in a plastic container to ensure their availability after the storm passes.
- Be sure trees and shrubs around your home are well trimmed and secure outdoor furniture and loose objects.
- Clear clogged rain gutters and downspouts.
- Clear debris from your streambed.
- Consider building a safe room.
- Listen to the radio or TV for updated weather information.

- Turn off utilities (water, gas, electricity) if instructed to do so. Otherwise, turn the refrigerator thermostat to its coldest setting and keep its doors closed.
- Avoid using the phone, except for serious emergencies.
- Ensure a supply of water for sanitary purposes such as cleaning and flushing toilets. Fill the bathtub and other large containers with water.
- Have a 7 day disaster supply kit (including water, food, medication) available.
- Prepare to evacuate when directed to by local authorities or when you feel you are in danger. Have a plan for what to do with your pets if you need to evacuate. Take your emergency supply kit with you.

After the hurricane has passed:

- When safe to do so following the “All Clear”, return to your home to assess the damage. Take photos to document the damage for insurance purposes.
- Be aware of hazards, i.e. down power lines, broken gas lines, contaminated water, weakened structures, broken glass, etc.
- Remove standing water from your home including soiled carpets, mattresses and other items which may contribute to the growth of mold.
- Seek assistance in the repair and clean-up of your home.
- Contact your insurance agent to file a claim.

## FLOODS

**Urban and Small Stream Flood Advisory:** Minor flooding expected. Not considered life-threatening.

**Flash Flood Watch:** Flooding is possible. Be ready to evacuate.

**Flash Flood Warning:** Flooding is imminent or occurring. Evacuate to high ground NOW.

To prepare for a flood, you should:

- **NEVER ATTEMPT TO DRIVE OVER A FLOODED ROAD.  
TURN AROUND DON'T DROWN!**
- Avoid building in a floodplain unless you elevate and reinforce your home.
- Gather important documents such as your flood insurance policy. Flood losses, however, are not covered under homeowners’ insurance policies.
- Keep a supply of sandbags to direct floodwater from entering the building or home.
- Seal walls 1 to 2 feet above baseboards with waterproofing compounds.
- Listen to the radio or television for information. Be aware of streams, drainage channels, roads, and other areas known to flood suddenly.
- Be aware that flash flooding can occur quickly and without warning. Be prepared to evacuate and move immediately to higher ground. Do not wait for instructions to move.
- Secure your home and elevate essential items. Turn off utilities if instructed to do so.

Disconnect electrical appliances and do not touch electrical equipment if you are wet or standing in water.

Following a flood, you should:

- Listen for news reports to learn whether the community's water supply is safe to drink. You may need to boil tap water before drinking.
- Avoid floodwaters; water may be contaminated by oil, gasoline, or raw sewage. Water may also be electrically charged from underground or downed power lines. Keep away and report downed power lines to the power company.
- Be aware of areas where floodwaters have receded. Roads may have weakened and could collapse under the weight of a car.
- Return home only when authorities indicate it is safe.
- Stay out of any building if it is surrounded by floodwaters as there may be hidden structural damage to the foundation.
- Service damaged septic tanks, cesspools, and leaching systems as soon as possible. Damaged sewage systems are serious health hazards.
- Clean and disinfect everything that got wet. Mud left from floodwater can contain sewage and Chemicals.

### **SHELTER -IN- PLACE / HAZMAT INCIDENT**

An incident involving hazardous materials (HAZMAT) can expose the public to dangerous airborne contaminants that may be hazardous and/or deadly. These hazardous agents may be in the form of chemical, biological, or nuclear particles that are colorless and odorless.

You may be directed to Shelter in Place if:

- It is dangerous to be outside
- There is little time to evacuate

The Shelter in place concept is intended to minimize the amount of contaminated outside air from entering your home, business, school or other location. You must remain in place until you are notified by officials that the hazard has passed.

- Supplies needed to shelter in place should be available and ready before the need arise.
- Turn off Heating, Ventilation and Air Conditioning (HVAC) Systems
- Close and lock all windows and doors
- Seal gaps under doorways and windows with wet towels and duct tape
- Seal gaps around windows with air conditioning units, around exhaust fans in the kitchen and bathrooms, stove and dryer vents using duct tape and plastic sheeting, aluminum wrap, or wax paper.
- Close fire place dampers- if your home or work place contains them.
- Choose a centralized location/room that can be easily sealed off. The location/room should contain a telephone, water, toilet, radio, flash lights. Close off other non- essential rooms

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## **Addendum**

The Addendum(s) shall provide revisions and updates to the existing Kailua Multi Hazard Mitigation Preparedness Plan.

### **Addendum I Plan Implementation and Maintenance**

The Kailua Multi Hazard Mitigation Preparedness Plan shall be developed, implemented, and maintained by the Disaster Preparedness Sub Committee. The Plan shall be reviewed and updated annually.

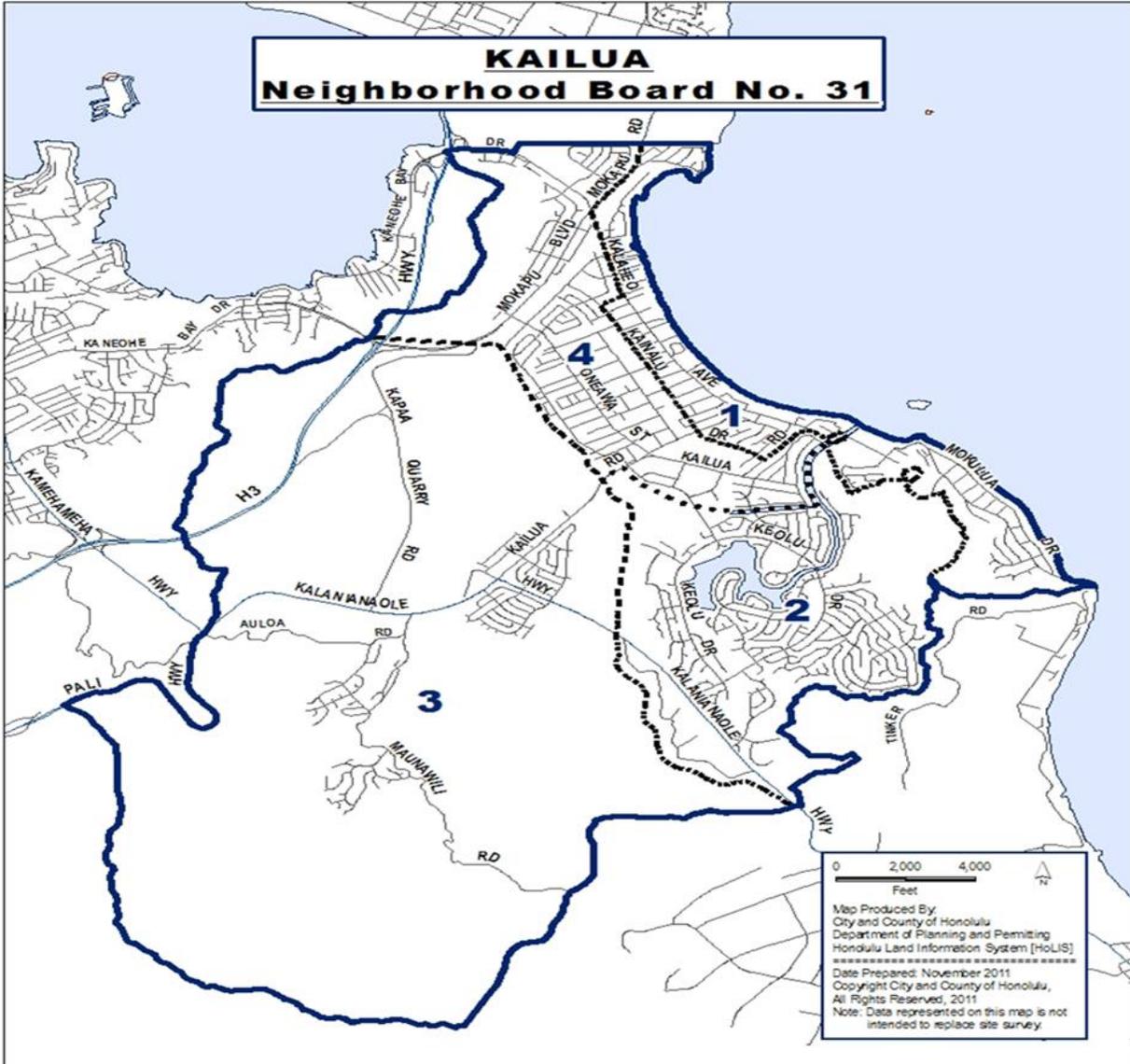
#### **Date of revision:**

- July 2012 (addition of Addendum I, II, III)
- September 2013
- December 2014
- August 2015

## Addendum II

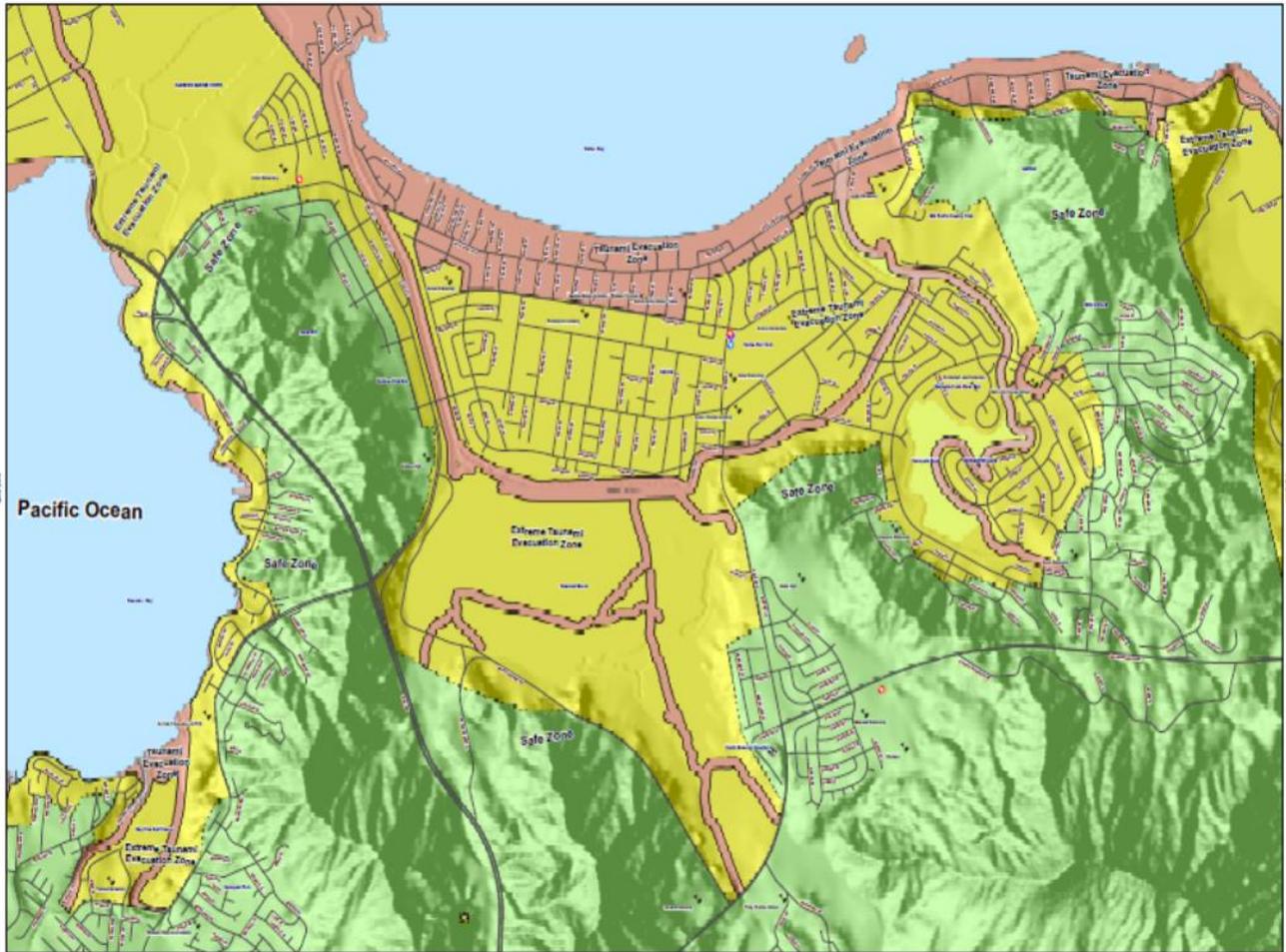
### MAPS OF KAILUA

The Neighborhood Commission's (NHC) Map divides Kailua into four (4) Sub Districts. (Sub Districts 1/ SD1, Sub District 2/SD2, Sub District 3/SD3, and Sub District 4/SD4)



# COMBINED TSUNAMI MAP OF KAILUA

- Regular Tsunami Evacuation Zone
- Extreme Tsunami Evacuation Zone
- Safe Zone



Waimanalo to Kailua  
Map 6 Inset 2



The most recent findings associated with the red zone, in the vicinity shown on the "Waimanalo Shoring" assessment of the red zone paleo zone.

Structures at least 100 feet away from filled waterways and canals connected to the ocean shall have a sign and proper footing.

Structures shall have a minimum of 10 feet (3050 mm) and a minimum of 10 feet (3050 mm) of clearance from the ocean side of the structure from the center of the bay.

Structural steel or reinforced concrete buildings of the red zone shall have a minimum protection of 10 feet (3050 mm) of the height floor of the structure above the adjacent sea level.

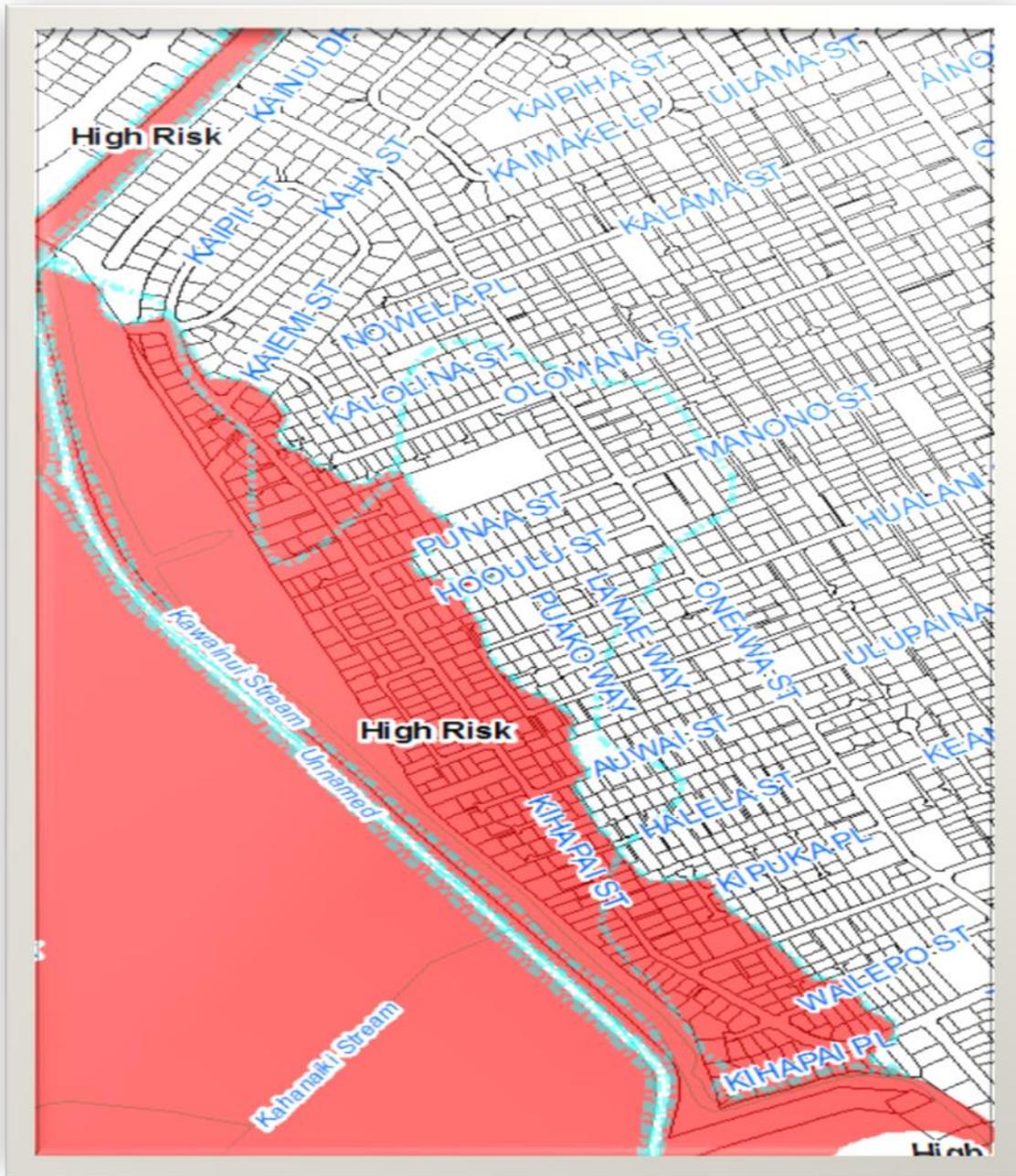
Structural steel or reinforced concrete buildings of the red zone shall have a minimum protection of 10 feet (3050 mm) of the height floor of the structure above the adjacent sea level.

Structural steel or reinforced concrete buildings of the red zone shall have a minimum protection of 10 feet (3050 mm) of the height floor of the structure above the adjacent sea level.



Legend	
<span style="display: inline-block; width: 15px; height: 10px; background-color: #27ae60; border: 1px solid #000;"></span>	Safe Zone
<span style="display: inline-block; width: 15px; height: 10px; background-color: #f1c40f; border: 1px solid #000;"></span>	Extreme Tsunami Evacuation Zone
<span style="display: inline-block; width: 15px; height: 10px; background-color: #d9ead3; border: 1px solid #000;"></span>	Regular Tsunami Evacuation Zone
	Fire Station
	Hospital
	EVLS
	Police
	Public/Private School
	Major Street
	Street

FEMA'S FLOOD INSURANCE RATE MAP (FIRM) OF KAILUA (2014)



## ADDENDUM III

### RISK AND VULNERABILITY ANALYSIS FOR KAILUA

This section of the Plan is focused on identifying community’s asset/resources, risks, and vulnerabilities. The results of the assessment has been used to identify which hazards will impact Kailua, which assets shall be protected from disasters (i.e. Kailua’s population, critical infrastructure/services, etc.) and to identify community Resources available to activate during a disaster (WW Oahu Emergency Amateur Radio, Blue Knights, KCERT, Hurricane Emergency Shelters, Refuge Areas).

### LIST OF KEY ASSETS AND RESOURCES IN KAILUA

Refer to NHC Map of Kailua Addendum II Page 4 to locate resources

<b>Community: Assessment of Resource(s):</b>	
➤ <b>Population: 51,000</b>	
➤ <b>Survey of neighborhood in progress (August 2015).</b>	
<b>Note: Results of survey will be kept by KNB#31 PHPSCD Committee</b>	
<b>Government Agencies, Facilities:</b>	
➤ <b>Police ➔ 219 Kuulei Rd.</b>	➤ SD4
➤ <b>Fire Station #18, EMS Station ➔ 211 Kuulei Rd</b>	➤ SD4
➤ <b>Fire Station #19 ➔ 45 Kaneohe Bay Drive (Aikahi)</b>	➤ SD4
➤ <b>Fire Station #39 ➔ 45-510 Kalanianaʻole Hwy. (Olomana)</b>	➤ SD3
➤ <b>EMS Ocean Safety Life Guard Station#8 ➔ Kailua Beach Park</b>	➤ SD1
➤ <b>Kailua Regional Wastewater Treatment Plant ➔ Kaneohe Bay Drive</b>	➤ SD4
➤ <b>DEM District 4 EOC (Olomana)</b>	➤ SD3
➤ <b>Marine Corp Base Hawaii – Kaneohe (entrance gate at Mokapu Blvd.)</b>	➤ SD4
➤ <b>Designated shelters and refuge areas:</b>	
○ <b>Refer to: Addendum III (List of Refuge Areas)</b>	
<b>Public Health:</b>	
➤ <b>Castle Medical Center ➔ 640 Ulukahiki St, Kailua, HI 96734</b>	➤ SD3
➤ <b>Clinics &amp; Urgent Care</b>	
○ <b>Castle Medical Center Outpatient Clinic ➔ 640 Ulukahiki St.</b>	○ SD3
○ <b>Straub Clinic - 602 Kailua Road</b>	○ SD4
○ <b>Kaiser Clinic - 201 Hamakua Dr.</b>	○ SD2
○ <b>Medical Corner ➔ 660 Kailua Road</b>	○ SD4
○ <b>Braun Urgent Care ➔ 130 Kailua Road, #111</b>	○ SD1
○ <b>Minute Clinic, CVS ➔ 609 Kailua Road</b>	○ SD4
➤ <b>Pharmacies</b>	
○ <b>CVS (Longs) ➔ 609 Kailua Road, 30 Aulike St. Kailua Professional Center</b>	○ SD4

○ Walgreens → 56 Oneawa Street	○ SD4
○ Times Supermarket → 590 Kailua Road	○ SD4
○ Safeway Grocery Store → 200 Hamakua	○ SD4
○ Castle Medical Center Koolau → 642 Ulukahiki St.	○ SD3
○ Target → 345 Hahani Street	○ SD4
○ Care Plus/Pharm care → 970 North Kalaheo Ave.	○ SD1
○ Foodland → 108 Hekili Street	○ SD4

#### Animal Clinics

- Feather and Fur Animal Hospital → 25 Kaneohe Bay Drive, Suite 132 (Aikahi Park Shopping Center) ➤ SD4
- Kailua Animal Clinic → 111 Hekili Street, Suite 104 ➤ SD4
- Makai Animal Clinic → 420 Uluniu Street ➤ SD4

#### Commercial, Banking & Finance:

- American Savings → 200 Hamakua Drive, Windward Town and Country Plaza Shopping Center ➤ SD4
- Bank of Hawaii → 636 Kailua Road, 200 Hamakua Drive-Safeway Grocery Store ➤ SD4
- Central Pacific Bank → 419 Kuulei Road ➤ SD4
- First Hawaiian Bank → 705 Kailua Road ➤ SD4
- Hawaiian National Bank → 21 Aulike Street ➤ SD4
- Windward Community Federal Credit Union → 6699 Mokapu Road, ➤ SD1
- Navy Federal Credit Union → 25 Kaneohe Bay Drive, Suite 220 ➤ SD4
- Territorial Savings → 19 Oneawa Street ➤ SD4

#### Hardware Stores

- Hardware Hawaii → 30 Kihapai Street ➤ SD4

#### Heavy Equipment Stores

- J's Forklift Rentals → 253 Iliaina Street, Phone: (808) 254-5297 ➤ SD4
- DEM District 4 (Olomana) ➤ SD2

#### Local Groups & Organizations

- Windward Oahu Amateur Radio (refer to MOU)
- Blue Knights Hawaii Chapter I (refer to MOU)
- Kailua Community Emergency Response Team (K-CERT)
- Windward Oahu Neighborhood Security Watch
- Kailua Chamber of Commerce
- Alexander & Baldwin
- Faith Based Groups in Kailua
- Lions Club
- Kiwanis Club
- Rotary Club

**POTENTIAL HAZARDS & RISKS IN KAILUA**

<b>Natural Occurring Hazards</b>	<b>Man-made Hazards</b>
<b><u>Geological Hazards</u></b>	<b><u>Accidental</u></b>
<p><b>Hurricane</b></p> <p><b>Earthquake</b></p> <p><b>Tsunami</b></p> <ul style="list-style-type: none"> <li>- Kailua Beach and inland water ways (refer to Tsunami Map)</li> </ul> <p><b>Landslide (debris/rockslide)</b></p> <ul style="list-style-type: none"> <li>- Kailua Road, Saddle Road</li> </ul>	<p><b>Energy/power/utility failure</b></p> <ul style="list-style-type: none"> <li>- Local or island wide black out</li> </ul> <p><b>Communications system interruptions</b></p> <ul style="list-style-type: none"> <li>- Local or island wide communication black out</li> </ul> <p><b>Hazardous Material spill or release (chemical, radiological, biological listed under the Code of Federal Regulations (CFR) and Tier II Chemical reporting program).</b></p> <ul style="list-style-type: none"> <li>- Tier II chemicals (chlorine, etc.) from Industrial area in Kapaa Quarry</li> <li>- Radioactive material used in hospitals and other diagnostic radiology facility in Kailua (offices of individual physicians, dentists, chiropractors, laboratory, clinics, etc.)</li> </ul>
<b><u>Meteorological Hazards</u></b>	<b><u>Intentional</u></b>
<p><b>Flash Flood, tidal surge</b></p> <ul style="list-style-type: none"> <li>- Coconut Grove area (refer to FEMA FIRM MAP)</li> </ul> <p><b>Wild Fire</b></p> <ul style="list-style-type: none"> <li>- Kalaheo Hillside,</li> </ul> <p><b>Water spout</b></p> <ul style="list-style-type: none"> <li>- Kailua Bay</li> </ul> <p><b>Tornado</b></p>	<p><b>Terrorism (Cyber, CBRNE)</b></p>

## HAZARD PROBABILITY ANALYSIS OF KAILUA

### Scale for: Measuring Type of Hazard and Impact

**High-3**  
**Medium - 2**  
**Low -1**

### Measuring Government Resources

**Strong Support**  
**Weak -Support is limited**

Type of Hazard	Probability	Human Impact	Property, Facilities, Infrastructure Impact	Economic Impact	Total	Internal Resources Local Gov.	External resources State/Fed. Gov.	Vulnerable Areas
<b>Hurricane</b>	2	3	3	3	11	weak	strong	Island wide
<b>Tsunami (Extreme)</b>	1	3	3	3	10	weak	strong	Coastal areas, Kailua Town, Kawainui Marsh, Kawainui canal, Kaeleppulu stream and Part of Enchanted Lake area will be completely inundated during an Extreme Tsunami.  NOTE: Kailua Town contains majority of government buildings/Services (HPD, HFD, EMS, Library of Hawaii), commercial and banking industry.  *Refer to attached Tsunami Map of Kailua.
<b>Flash Flood</b>	2	2	2	1	7	strong	strong	Maunawili, Coconut Grove, Kailua Town, Kawainui Marsh areas. (Refer to FEMA FIRM )
<b>Earthquake</b>	1	1	1	2	5	weak	strong	Island wide impact
<b>Wild Fire</b>	1	1	2	1	5	strong	strong	Kalaheo Hill Side, Oneawa Hill  Kapaa Quarry, Marshland (S4)
<b>Power Outage</b>								
<b>&lt;24hrs</b>	1	1	1	1	4	strong	strong	Local to island wide
<b>&gt;72hrs</b>	1	2-3	2-3	2-3	7/10	weak	Strong	
<b>Debris/rock Landslide</b>	1	2	2	1-2	6-7	strong	strong	Unstable ground on steep slopes and hills – Roadways along Kalaniana'ole Hwy to Kailua Town, Mokapu Blvd heading towards Saddle Road, Kapaa Quarry, (S2 and S4)
<b>Hazardous Material Spill/Release</b>	1	1	1	2	5	strong	strong	Can be localized (Kapaa Quarry, Kawainui Marsh, Medical Facility) or widespread due to accidental or intentional event at another location.

## ADDENDUM IV

### Memorandum of Understanding (MOU) AND Standing Operating Guide with Community Resource Group(s)

The objectives of the Plan are to assure that Kailua becomes an “all hazard” resilient and a sustainable community before, during, and after a disaster. The Kailua Neighborhood Board’s Disaster Preparedness Sub Committee shall continue to identify assets and resources in the community that will assist during a disaster.

A Memorandum of Understanding between Community Resource Groups and the Kailua Neighborhood Board shall provide an indication about the type of services or products provided by each entity.

A copy of the following listed MOU’s shall be provided to appropriate agencies that are responsible for disaster planning and emergency response (i.e. DEM,SCD).

Each Entity listed below shall provide the aforementioned Agencies with a written copy of their contact list and with the necessary information of the services offered during a disaster.

- Blue Knights Hawaii 1
- Windward Oahu Amateur Radio (WWOARES)
- Blue Knights & WWOARES Standing Operating Guide
- Kailua Community Emergency Response Team (KCERT)- **Refer to the Kailua Disaster Response Plan 2014**
- Tsunami Refuge Area provided by Faith Based Groups, Schools (public and private), and other Community/Private Resources. - **Refer to Memorandum of Understanding – Refuge Areas.**

## Memorandum of Understanding

This Memorandum of Understanding is made on June 18, 2012 between the **Kailua Neighborhood Board's (KNB) Disaster Preparedness Sub Committee, and the Blue Knights Hawaii 1**. It shall remain in effect until terminated by either party with 30 day written notice.

This Memorandum of Understanding is designed to reflect the understandings between the KNB's Disaster Preparedness Sub Committee and the Blue Knights Hawaii 1.

The KNB's Disaster Preparedness Sub Committee and the Blue Knights Hawaii 1, the parties to this memorandum of understanding, have the common overall objectives of providing effective and efficient alternative communication services to the Kailua community during a disaster.

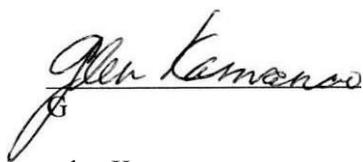
The Blue Knights agree to provide courier service between designated bus shelters and satellite shelters in Kailua.

The KNB's Disaster Preparedness Sub Committee and the Blue Knights Hawaii 1 hereby express agreement to all of the above and enter into a joint agreement until such time that either parties shall amend or revise said agreement in writing.



Claudine Tomasa, Chair  
for Kailua Neighborhood Board's Disaster Preparedness Sub Committee

Date 06/18/12



Ilen Kamanao  
for Kailua Disaster Preparedness Sub  
Committee Date 6/20/12

## Memorandum of Understanding

This Memorandum of Understanding (MOU) is made on SEPTEMBER 2, 2013, between the Kailua Neighborhood Board's (KNB) Disaster Preparedness Sub Committee (DPSC) and the Windward Oahu Amateur Radio Emergency Service® (ARES®). It shall remain in effect until terminated by either party with thirty (30) day written notice.

This MOU is designed to reflect the understandings between the KNB's DPSC and Windward Oahu ARES®.

The KNB's DPSC and Windward Oahu ARES®, the parties to this memorandum of understanding, have the common overall objective of providing effective and efficient alternative communication service to the Kailua community during a disaster.

Windward Oahu ARES® agrees to provide emergency and shelter communications to the Kailua community during a disaster. Amateur radio communications will be provided by amateur radio operators who will provide amateur radio communications to designated hub shelters and with the satellite shelters where possible. Communications will also be established with City & County of Honolulu Department of Emergency Management emergency operating center (EOC) as well as with the Hawaii State Civil Defense (HSCD) state EOC during a disaster, especially a catastrophic disaster when all normal communications are down. The emergency communications will provide situation reports, damage reports, etc. and when required, shelter information. If requested by first responders to provide emergency communications for their respective agencies, amateur radio operators will be provided, whenever possible. The activation of these amateur radio operators, who live in Kailua, will be by the Windward Oahu ARES® emergency coordinator (EC) or his designee when a disaster or a pending disaster is anticipated or when first responders request amateur radio communications.

The KNB's DPSC and Windward ARES® hereby express agreement to all of the above and enter into a joint agreement until such time that either parties shall amend or revise said agreement in writing.

Claudine M. Tomasa Date Sept. 2, 2013  
Claudine Tomasa, Chair  
Kailua Neighborhood Board's Disaster Preparedness Sub Committee

Clement Jung Date 9/2/2013  
Clement Jung KH7HO, Windward Oahu Emergency Coordinator  
Amateur Radio Emergency Service®

## Memorandum of Understanding

This Memorandum of Understanding is made on 6/1, 2014 between the Kailua Neighborhood Board's (KNB) Disaster Preparedness Sub Committee and the Kailua Community Emergency Response Team (KCERT). It shall remain in effect until terminated by either party with thirty (30) day written notice.

This Memorandum of Understanding is designed to reflect the understandings between the KNB's Disaster Preparedness Sub Committee and the Kailua Community Emergency Response Team.

The KNB's Disaster Preparedness Sub Committee and the Kailua Community Emergency Response Team – the parties to this memorandum of understanding- have the common overall objectives of providing and doing the greatest good for the greatest amount of people during a disaster.

The Kailua Community Emergency Response Team agrees to activate its Disaster Response Plan by deploying/mobilizing CERT into Kailua following a catastrophic tsunami or hurricane.

The KNB's Disaster Preparedness Sub Committee and the Kailua Community Emergency Response Team hereby express agreement to all of the above and enter into joint agreement until such time that either parties shall amend or revise said agreement in writing.

Claudine M. Tomasa

Claudine M. Tomasa, Chair  
For Kailua Neighborhood Board's Disaster Preparedness Sub Committee

Date: June 1, 2014

Leslie Kahihikolo

Leslie Kahihikolo, Coordinator  
Kailua Community Emergency Response Team

Date: 1 June 2014

## **BLUE KNIGHTS STANDING OPERATING GUIDE (SOG)**

### **I. PURPOSE**

The purpose of this Standing Operating Guide (SOG) is to establish procedures for the members of Blue Knights (BK), a motorcycle club, and Windward Oahu Amateur Radio Emergency Service® (ARES®) upon the activations of hurricane evacuation shelters in Kailua. The activation of shelter communications will be by the Windward Oahu ARES® members. Many of the ARES® members are also C&C of Honolulu Department of Emergency Management (DEM) Radio Amateur Civil Emergency Service (RACES) members. The activation of shelter communications will be by the City & County of Honolulu Department of Emergency Management (DEM). DEM will notify DEM RACES. DEM RACES will notify the Windward Oahu ARES® Emergency Coordinator (EC) who in turn will notify the Windward Oahu amateur radio operators and the Blue Knight representative or alternate of the shelter activation.

### **II. GENERAL**

- The Windward Oahu amateur radio operators and members of the BK are volunteers who are willing to assist their Kailua community in case of a disaster or emergency.
- The radio equipment utilized by the Windward Oahu amateur radio operators as well as the motorcycles operated by the members of the BK are owned by their respective owners and are operated at no cost to the City & County of Honolulu.

### **III. FUNCTIONS AND RESPONSIBILITIES**

- DEM is the county emergency management agency responsible for public notification of any natural disasters and emergencies. DEM is also the agency which will receive shelter reports/situation reports by amateur radio operators when normal communications means are not available.
- DEM RACES is the organization of volunteer amateur radio operators who will assist with amateur radio emergency communications when normal communications fail or may fail.
- Windward Oahu ARES/RACES members and other amateur radio operators will provide emergency amateur radio communications and shelter communications in Kailua when activated. Emergency and shelter communication traffic, whether verbal or via digital ICS-213 formal messages, will be forwarded to DEM Emergency Operations Center (EOC).

- BK will provide courier service between hub shelters and satellite shelters working with the Windward Oahu amateur radio operators at the hub shelters. The BK will establish communications between hub shelters and the satellite shelter managers where there are no amateur radio operators.

#### IV. OPERATIONS

- Upon the receipt of a Hurricane Watch, amateur radio operators and BK personnel will start making preparation for deployment to their assigned hurricane evacuation shelters or hub shelters. At the present time, the hub shelters in Kailua are Kailua High School and Kalaheo High School. However, hub shelters designation may change. Preparations by amateur radio operators and BK members include but not limited to getting their emergency go kits ready, emergency preparations for their respective families, radio equipment, antennas, emergency power, and their respective cars and motorcycles topped with fuel and ready for deployment for up to three to seven days.
- Upon the receipt of a Hurricane Warning, hurricane shelters will be opened. Amateur radio operators will be notified to deploy to their assigned hub and/or satellite shelters. BK (see Blue Knight Call Down Tree attached) will be notified by the Windward ARES EC or Assistant EC (see Windward Oahu ARES/RACES Points of Contact attached) to deploy to their designated hub shelters. If not notified, they will shelf deploy and make contact with the amateur radio operators at the hub shelters for further instructions as to which satellite shelter the Blue Knights will need to establish contact or establish courier service.
- Once hub shelter radio operators have determined which satellite shelters do not have communications with the respective hub shelters, BK will be assigned to establish communications with the satellite shelter manager. Communications therefore will be established via BK and/or Family Radio Service (FRS) on designated channel per the Windward Oahu Emergency and Shelter Communications Plan dated September 30, 2012.
- After the hurricane winds have passed and the all clear is given by DEM, the hurricane evacuation shelters may be demobilized. Amateur radio communications and BK services may be discontinued.
- Congregate shelters may be established by the American Red Cross for those clients who have lost their homes and have no place to stay. Amateur radio operators and members of the BK may be redeployed to congregate shelters and establish communications services until demobilization is announced over the radio net.

- Both amateur radio operators and members of BK may become clients, having lost their homes to the hurricane. They may need to seek other shelters or operate from congregate shelters until relieved.
- Demobilization of amateur radio communications and the services of the BK will be via the amateur radio net by authority of the DEM RACES/Windward Oahu EC or his designee.

#### V. ADMINISTRATION AND SUPPORT

- The Windward Oahu ARES® EC will be responsible for maintaining a copy of this SOG.
- The Windward Oahu ARES® EC will work with the primary point of contact representative of the BK in making any changes or updates to this SOG.
- The Windward Oahu ARES® EC and the representative of the BK shall ensure all members from both organizations are familiar with this SOG.
- Recommendations for additions, deletions or modifications to this SOG shall be submitted to the Windward Oahu ARES® EC.

Approved By: Glen Kalani Kamanao Date 26 AUGUST 2013  
 Glen Kalani Kamanao, Treasurer  
 Blue Knights, Hawaii Chapter 1

Approved By: Clement H. M. Jung Date 8/26/2013  
 Clement H. M. Jung, KH7HO  
 Windward Oahu ARES® Emergency Coordinator

Attachments:  
 Blue Knight Memorandum of Understanding  
 Blue Knight Call Down Tree  
 Windward Oahu ARES/RACES Points of Contact

**ADDENDUM V**  
**Preparedness Information**  
**Information for Local Businesses in Kailua**

**PREPARING YOUR BUSINESS FOR THE UNTHINKABLE**  
*Disasters can happen anywhere, often with little or no warning.*  
**IS YOUR BUSINESS PREPARED?**



Develop a Plan that considers three subjects: human resources, physical resources, and business continuity.

**Here are some suggestions to consider:**

- ✓ Keep phone lists of your key employees, customers and suppliers with you, and provide copies to key staff members
- ✓ If you have a voice mail system at your business, designate one remote number to record messages for your employees. Provide the number to all employees.
- ✓ Arrange for programmable call forwarding for your main business Line(s). If you cannot get to your business, you can call in and reprogram the phones to ring elsewhere.
- ✓ If you are unable to get to your business quickly after an emergency, leave keys and alarm code(s) with a trusted employee or friend who is closer.



- ✓ Back up computer data frequently throughout the business day; Keep a back- up tape off site or invest in an on line data back- up service for small business (i.e. iCloud, carbonite, etc.)
- ✓ Use UL-listed surge protectors and battery backup system to protect sensitive equipment and prevent a computer crash if power goes off.
- ✓ Check and assure the integrity of your uninterrupted power supply (ups). Move the UPS to a safe area in case of flooding.
- ✓ Consult with your insurance agent about specialty precautions to take for disasters that may impact your business directly. Most policies do not cover earthquake, flood damage. Protect valuable property and equipment with special riders. Discuss business continuity insurance with your agent.
- ✓ Do you have a Relocation Plan to continue business operation (I.e. a fully equipped trailer).
- ✓ Stock a minimum supply of the goods, materials, and equipment needed for **business continuity**.
- ✓ Check with your suppliers about preparedness to assure your supply chain will not be interrupted and you can continue services immediately after a disaster.



- ✓ Keep emergency supplies handy (flash lights, batteries, first aid kit, tools, also food and water for employees and customers in case your business is unexpectedly placed on Lock Down by authorities or shelter in place.

*Information in this brochure from:*

*American Red Cross* [www.redcross.org/services/disasters/beprepared](http://www.redcross.org/services/disasters/beprepared)

*FEMA* [www.ready.gov/business/implementation/continuity](http://www.ready.gov/business/implementation/continuity)

# ADDENDUM VI SHELTERS

## SHELTER INFORMATION

- Public emergency shelters are located in areas and facilities that maximize the safety of its occupants.
- During an emergency or threat of disaster Civil Defense information will be broadcasted over local radio and TV stations. When an evacuation is necessary these broadcasts may include information about the location of Public Emergency Shelters in affected areas.
- More information, including the location of shelters designated for persons with special health needs, and facilities for household pets may be broadcasted, as well as when volunteers will be available to open shelters and direct evacuees to the appropriate areas.
- Since public shelters do not stock supplies, please bring provisions from your emergency supply kit at home. You will need at least two days' worth of food, water, and personal items for yourself, family members, and household pets.
- Facilities designated to serve as Special Needs Shelters provide limited support to persons who need the added space and accessibility to restrooms. Special health needs evacuees must either be capable of taking care of their own needs or be accompanied by a caregiver.
- Household pets entering a pet friendly shelter must be caged for safety. Pet owners must provide water and food for their pets.

***Evacuation and shelter information will be provided by the Department of Emergency Management, City & County of Honolulu, telephone (808) 723-8960.***

**Also refer to the following website:**

**(<http://hawaii.gov/dhs/main/internal/Disaster/Document.2006-06-15.1253>)**

**and to Addendum V of this Plan.**

## **UPDATE ON TSUNAMI REFUGE CENTERS/ REFUGE AREA FOR KAILUA (Pending approval by the Department of Emergency Management).**

The following list of Refuge Centers/Refuge Areas for Kailua have been identified following completion of the City's Oahu Emergency Evacuation Plan Project.\*

### **The list has not been approved as of yet by the City's DEM.**

We will update the status of this list as soon as DEM provides approval.

Meanwhile continue to listen to radio and television for Tsunami Refuge Center locations, instructions and opening schedule. Be aware Tsunami Refuge Centers do not stock supplies.

1. Castle High School (Kaneohe)  
45-386 Kaneohe Bay Drive
2. Kalaheo High School (S4)  
750 Iliaina St.
3. Church Row and Fountain Area at Pohakapu Park (S2)  
Along Kailua Road heading towards the intersection of Kalaniana'ole Highway/Kailua Road
4. Kailua High School (S2)  
451 Ulumanu Drive
5. Kaelepulu Elementary School (SD3)  
530 Keolu Drive
6. Mid Pacific Country Club (S1)  
266 Kaelepulu Drive
7. Keolu Later Day Saints Church (S2)  
1461 Kanapuu Dr,
8. Keolu Elementary School (SD3)  
1416 Keolu Drive
9. Le Jardin Academy (SD2)  
917 Kalaniana'ole Highway
10. Maunawili Elementary School (SD3)  
1465 Ulupili

*Location of Refuge Centers/Area can be found on Neighborhood Commission Map Page #18(SD1, SD2, SD3, SD4)*

*\*City's Oahu Evacuation Plan Project 2012-2015 /City's Consultant Atkins Global.com/North America.*

## Mass Care and Sheltering

Kailua - Congregate Shelter Agreement with the American Red Cross/Hawaii Chapter (shelters opened and operated by the ARC after flooding, fires, and the next shelter step after hurricane/tsunami damage occurs)

- Faith Baptist Church  
1230 Kailua Road (SD3)
  
- Kailua United Methodist Church  
1110 Kailua Road (SD3)
  
- Le Jardin Academy  
917 Kalanianaʻole Hwy  
(SD3)
  
- St. John Vienney Church  
940 Keolu Dr. (SD2)

\*Locate shelters on NHC's Map  
Page#30 (SD2, SD3)

<b>Hurricane Evacuation Shelters for Kailua 96734</b>		<b>Sub District #</b>
Aikahi Elementary	281 Ilihaui St	4
Kailua Elementary	315 Kuulei Rd, Kailua	4
Kailua Intermediate	145 S Kainalu Dr,	4
Kailua High	451 Ulumanu Dr	3
Kalaheo High	730 Iliaina St	4
Kainalu Elementary	165 Kaiholu Street	1
Keolu Elementary	1416 Keolu Dr	2
Lanikai Elementary	140 Alala Rd	1
Maunawili Elementary	1465 Ulupii St,	3
Enchanted Lake Elementary	770 Keolu Dr,	2

## Hawaii

Evacuation and shelter information provided by Hawaii County Civil Defense, Phone: (808) 935-0031.

### North Kohala District

Kohala High and Elementary ☑  
Kohala Intermediate ☑

### South Kohala District

Waikoloa Elementary ☑  
Waimea Elementary ☑  
Waimea Middle

Waimea State Office Building

### North Kona District

Holualoa Elementary  
Kahakai Elementary ☑  
Kealahou Elementary ☑  
Kealahou High ☑

Kealahou Intermediate ☑

### South Kona District

Hookona Elementary  
Konawaena High ☑

### Kau District

Kau High and Pahala Elementary ☑

### Hamakua District

Honokaa High and Intermediate ☑  
Kalaniana'ole Elementary ☑

### South Hilo District

E B de Silva Elementary  
Hilo High ☑

Hilo Intermediate ☑

Kaunama Elementary ☑

Waiakaa Elementary ☑

Waiakaa High ☑

Waiakaa Intermediate ☑

Waiakaa Waena Elementary ☑

### Puna District

Keanu Elementary

Keanu High ☑

Keanu Middle ☑

Keonepoko Elementary ☑

Mountain View Elementary ☑

Pahoa Elementary ☑

Pahoa High and Intermediate ☑

## Maui

Evacuation and shelter information for Maui County provided by Maui Civil Defense, Phone: (808) 270-7285.

### Hana

Hana High

### Kahului/Wailuku/Waihee

Baldwin High ☑

Iao Elementary ☑

Kahului Elementary ☑

Lihikai Elementary ☑

Maui Community College

Maui High ☑

Maui Waena Intermediate ☑

Waihee Elementary ☑

Wailuku Elementary ☑

### Kihei/Makena

Kamalii Elementary ☑

Kihei Elementary ☑

Lokelani Intermediate ☑

### Lahaina (West Maui)

Lahaina Intermediate ☑

Lahainaluna High ☑

Princess Nahienaena Elementary ☑

### Upcountry

Haiku Elementary

Kalama Intermediate ☑

King Kekaulike High ☑

Makawao Elementary ☑

Paia Elementary ☑

Pukalani Elementary ☑

## Molokai

Kaunakakai Elementary

Kualapuu Elementary

Molokai High ☑

Kilohana Elementary

## Lanai

Lanai High ☑

## Kauai

Evacuation and shelter information provided by Kauai Civil Defense, Phone: (808) 241-1800.

### Central

Kamakaha Middle ☑

Kauai Community College

Kauai High ☑

**Kauai Humane Society [pets only]** ☑

Kauai War Memorial Convention Hall

King Kaunualii Elementary

Wilcox Elementary

### Eastside

Kapaa Elementary School ☑

Kapaa High School ☑

Kapaa Middle School ☑

### North

Kilauea Elementary School

Kilauea Neighborhood Center ☑

### South

Elele Elementary School ☑

Kalaheo Elementary School ☑

Koloa Elementary School ☑

### West

Waiimea Canyon Elem. and Middle ☑

Waiimea High ☑

### Know Your Shelter

#### Special Health Needs Shelters

provide limited support to persons with special health needs. These evacuees must either be capable of taking care of their own needs or be accompanied by a caregiver.



#### Pet Friendly Shelters

are co-located with some general population shelters. Household pets entering a pet friendly shelter must be caged for safety and owners should provide water and food for their pets.



# Hurricane — Evacuation Shelters

Statewide List

Produced and distributed by



Hawai'i State Civil Defense  
Phone: (808) 733-4300  
Fax: (808) 733-4287  
Website: [scd.hawaii.gov](http://scd.hawaii.gov)  
Email: [AskCivilDefense@scd.hawaii.gov](mailto:AskCivilDefense@scd.hawaii.gov)

**ATTENTION!**

Public Emergency Shelters **MAY NOT** be open during evacuations for a Tsunami **WARNING**. Your local civil defense or emergency management agency will provide locations of tsunami evacuation centers or assembly areas through local media.

072013

## Be Informed and Ready

During an emergency or threat of disaster, Civil Defense information will be broadcast over local radio and TV stations. When an evacuation is necessary, these broadcasts may include information about the location of public emergency hurricane shelters in affected areas. More information, including the location of shelters designated for people with special health needs and facilities for household pets may be broadcast, as well as when volunteers will be available to open shelters and direct evacuees to the appropriate areas.

Since public emergency hurricane shelters do not stock supplies, please bring provisions from your emergency supply kit at home. You will need at least seven days worth of food, water, and personal items for yourself, family members, and household pets.

Please review this statewide list of Public Emergency Shelters and note the two or three closest to your home. The shelters are listed by county.

## Oahu

Evacuation and shelter information provided by Department of Emergency Management, Phone: (808) 723-8960.

### North Shore (Kaena Point to Kahuku) Waialua High and Intermediate ☑☑

#### Leeward Coast

### (Makua to Waipahu and Vicinity)

August Ahrens Elementary  
Barbers Point Elementary  
Campbell High ☑☑  
Ewa Beach Elementary  
Ewa Elementary ☑  
Holomua Elementary  
Honowai Elementary ☑  
Ilima Intermediate ☑☑  
Kaimiloa Elementary  
Kaleiopuu Elementary  
Kamaile Elementary  
Kanoelani Elementary

Kapolei Elementary ☑  
Kapolei High ☑  
Leihoku Elementary  
Makaha Elementary  
Makakilo Elementary  
Mauka Lani Elementary ☑  
Nanakuli Elementary  
Nanakuli High & Intermediate ☑☑  
Pohakea Elementary  
Waianae Elementary  
Waipahu Elementary ☑☑  
Waipahu High ☑☑  
Waipahu Intermediate ☑

#### Central Oahu

### (Wahiawa to Mililani and Vicinity)

Hanalani Elementary  
Helemano Elementary ☑  
Iliahi Elementary  
Kaala Elementary ☑  
Kipapa Elementary ☑  
Leilehua High ☑☑  
Mililani High ☑☑  
Mililani Ike Elementary  
Mililani Mauka Elementary  
Mililani Waena Elementary ☑  
Mililani Middle ☑☑  
Mililani-Uka Elementary ☑  
Wahiawa Elementary ☑  
Wahiawa Middle ☑

### Pearl City to Aiea and Salt Lake

Aiea Elementary ☑  
Aiea Intermediate ☑  
Aiea High ☑☑  
Aliamanu Elementary ☑  
Aliamanu Middle ☑  
Halawa District Park  
Highlands Intermediate ☑☑  
Lehua Elementary ☑  
Makalapa Elementary ☑  
Manana Elementary ☑  
Moanalua Elementary ☑  
Moanalua Middle ☑☑  
Moanalua High ☑☑  
Momilani Elementary  
Nimitz Elementary  
Palisades Elementary ☑  
Pearl City District Park  
Pearl City Elementary

Pearl City High ☑☑  
Pearl City Highlands Elementary ☑  
Pearl Harbor Elementary  
Pearl Harbor Kai Elementary  
Pearlridge Elementary ☑  
Radford High ☑☑  
Red Hill Elementary ☑  
Salt Lake Elementary ☑  
Waiiau Elementary  
Waimalu Elementary ☑  
Webbing Elementary  
Salt Lake to Punchbowl and Downtown

Central Middle ☑  
Dole Middle ☑  
Farrington High  
Fern Elementary  
Kaahumanu Elementary  
Kaewai Elementary ☑  
Kaulani Elementary ☑  
Kalakaua Middle ☑  
Kalihi Elementary  
Kalihi-Kai Elementary ☑  
Kalihi-Uka Elementary ☑  
Kalihi Valley District Park  
Kalihi-Waena Elementary ☑  
Kapalama Elementary ☑  
Kauluwela Elementary  
Kawanakoa Middle ☑  
Lanakila District Park  
Lanakila Elementary ☑  
Likelike Elementary  
Linapuni Elementary ☑  
Lincoln Elementary  
Maemae Elementary ☑  
Nuuanu Elementary  
Pauoa Elementary  
Puuhale Elementary ☑  
Roosevelt High ☑☑  
Royal Elementary ☑  
Stevenson Middle ☑☑

### Punchbowl to Waialae and Vicinity

Aliiolani Elementary ☑  
Anuenue Elementary  
Hawaii Convention Center ☑  
Hokulani Elementary ☑  
Jarrett Middle ☑☑  
Kaahumanu Elementary  
Kahala Elementary ☑

Kaimuki High ☑☑  
Kaimuki Middle ☑☑  
Kuhio Elementary  
Liholiho Elementary ☑  
Lunalilo Elementary  
Manoa Elementary ☑  
McKinley High ☑  
Neal Blaisdell Center ☑  
Noelani Elementary ☑  
Palolo Elementary ☑  
Waialae Elementary ☑  
Waikiki Elementary  
Washington Middle ☑☑  
Wilson Elementary ☑

### Aina Haina to Hawaii Kai and Vicinity

Aina Haina Elementary ☑  
Hahaione Elementary ☑  
Kaiser High ☑☑  
Kalani High ☑☑  
Kamiloiki Elementary ☑  
Koko Head Elementary ☑  
Niu Valley Middle ☑

#### Windward Coast

### (Kahuku to Waimanalo)

Ahuimanu Elementary ☑  
Aikahi Elementary  
Benjamin Parker Elementary  
Brigham Young University of Hawaii ☑  
Castle High ☑☑  
Enchanted Lake Elementary ☑  
Heeia Elementary ☑  
Kahaluu Elementary ☑  
Kahuku High and Intermediate ☑  
Kailua Elementary ☑  
Kailua High ☑☑  
Kailua Intermediate ☑  
Kainalu Elementary  
Kalaheo High ☑☑  
Kaneohe Elementary  
Kapunahala Elementary  
Keolu Elementary  
King Intermediate ☑☑  
Lanikai Elementary ☑  
Maunawili Elementary ☑  
Pope Elementary ☑  
Puohala Elementary  
Waiahole Elementary ☑  
Waimanalo Elementary and Inter. ☑☑

## **ADDENDUM VII**

### **Public Outreach and Information**

1. Shelter Training
2. SKYWARN Classes
3. CERT Classes in Kailua
4. Community Events (Evolving)
5. KCERT training and functional exercise
6. Community Point of Distribution Class
7. National Disaster Preparedness for Community Leaders
8. National Disaster Preparedness for Care Givers of Senior Citizens
9. Tsunami Awareness

### **Road Map for Public Outreach and Information**

To maintain the Community's StormReady/TsunamiReady status a written record indicating the educational and training activities provided shall be processed and available for the appropriate Government and Non-Government Agencies. The following roadmap shall provide directives.

#### **Directives for Pre- Scheduling of Classes, Training/Exercise Sessions/Other Events**

1. Planning and scheduling classes, training/exercise sessions, and/or educational events for the community on disaster preparedness shall be the responsibility of the Core Work Group.
2. Resource speakers, instructors, and/or the general public shall work closely with a member from the Core Work Group to plan and prepare for the scheduled event(s).
3. A report of the event shall be provided to the KDPSC during its quarterly meeting.

## REFERENCE GUIDE

1	American Red Cross (State Chapter) Mon. – Fri.; 8:00 a.m. – 4:30 p.m.	734-2101
2	Board of Water Supply Trouble Line 24 hours a day, seven days a week	748-5000
3	Department of Emergency Management (C&C of Honolulu) TDD Service Mon. – Fri.; 7:45 a.m. – 4:30 p.m.	723-8960 723-8966
4	Department of Health Mon – Fri; 7:45 a.m. – 4:30 p.m.	586-8000
5	Emergency Calls – Police, Fire, Ambulance	911
6	Hawaii Emergency Management Agency (former State Civil Defense) Mon.- Fri; 7:45 a.m. – 4:30 p.m.	733-4300
7	Hawaii Gas Customer Service Mon.-Fri; 7:30 a.m. – 4:30 p.m. Emergency Dispatch (24 hours/day, 7 days/week)	535-5933 526-0066
8	Hawaii One Call Center (request marking of underground lines in and around your property prior to evacuation work) 24 hours/day, 7 days/week)	1-866-423-7287 or 811
9	Hawaiian Electric Company Customer Service 7:30 a.m. – 6:00 p.m.  Trouble Line (report power outages, downed power lines, or trees on power lines) 24 hours/day, 7 days/week	548-7311  Toll free 1-855-304-1212
10	Hawaiian Telcom 24 hour Customer Care/ 7 days a week	643-6111 or 611
11	Streetlights Out City State	768-5300 831-6714

**KAILUA NEIGHBORHOOD BOARD NO. 31**

***THE ORIGINAL DISASTER PREPAREDNESS  
SUBCOMMITTEE (2012)***



**2014 KAILUA EMERGENCY PREPAREDNESS TOWN FAIR**



**KAILUA NEIGHBORHOOD BOARD AND NEIGHBORHOOD COMMISSION**





**KAILUA CERT**



**ARES WINDWARD OAHU**



**NATIONAL WEATHER SERVICE**

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