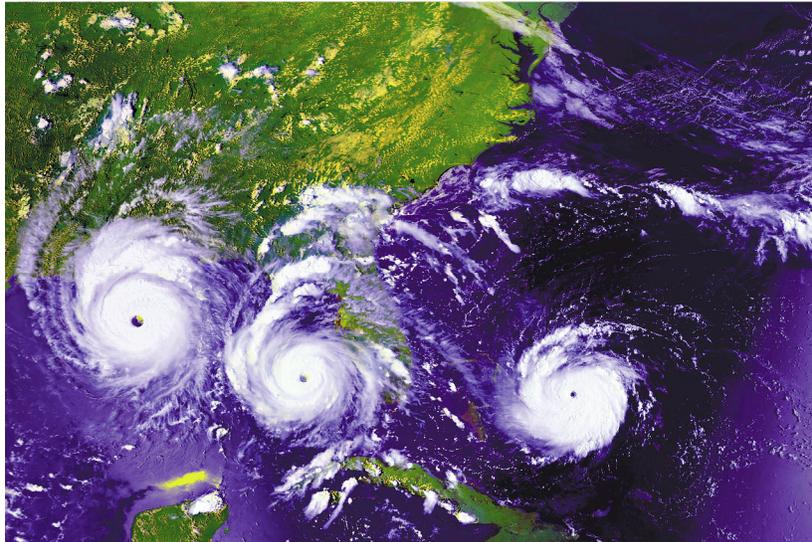


# Maui Vista

## Island Emergency Potentials

Hurricanes, Earthquakes, Tsunami's

### " Hurricanes "



Created: March 2014

# MAUI VISTA

## ISLAND EMERGENCIES - WHAT ARE THEY? WHAT SHOULD OWNERS AND GUESTS DO?

### **HURRICANES** (Hurricane Season June to November)

1. A hurricane is a storm that has high wind speeds (up to 360 mph) and usually brings floods and heavy rainfall.
2. Hurricanes are giant, spiraling tropical storms that can pack wind speeds of over 160 miles per hour.
3. Hurricanes begin as tropical disturbances in warm ocean waters.
  - a. TROPICAL DEPRESSION                      38mph wind speeds
  - b. TROPICAL STORM                            >39mph wind speed
  - c. HURRICANE                                    >74mph wind speed

Hurricanes are heat engines generating energy on a staggering scale. They draw heat from warm, moist ocean air and release it through condensation of water vapor in thunderstorms.

4. These storms bring destruction. The hurricane's high winds are also destructive and can spawn tornadoes. Torrential rains cause further damage by spawning floods and landslides, which may occur many miles inland.
5. As the storm passes the center of the hurricane, also known as "the eye", will appear calm and deceptive to those taking shelter. Remain in place until the "all clear" by Civil Defense has been issued over the radio.
6. The best defense against a hurricane is an accurate forecast that gives people time to get out of its way. The National Hurricane Center issues hurricane watches for storms and Civil Defense issues WATCHES for storms that could make landfall within 24 hours and WARNINGS for storms expected to hit the island within a short period of time.
7. Preparation begins when the "WATCH" is issued and not waiting until the "WARNING" is issued by Civil Defense.
8. Maui Vista only has 4 floors in each building and is believed to be safe from debilitating damage of any hurricane other than taking common sense precautions of covering windows, bringing furniture inside, etc. Owners and guests can stay in their unit and remain safe but should bring in all lanai furniture until storm is over.

# **EARTHQUAKES**

The Island of Hawaii experiences thousands of earthquakes each year; most are so small that they can only be detected by instruments, but some are strong enough to be felt, and a few cause minor-to-moderate damage.

Strong earthquakes endanger people and property by shaking structures and by causing ground cracks, ground settling, and landslides. Strong earthquakes in Hawaii's past have destroyed buildings, water tanks, and bridges, and have disrupted water, sewer, and utility lines.

An indirect hazard produced by some earthquakes is a tsunami, a large sea wave that can be far more damaging than any of the direct seismic hazards.

The size of an earthquake is commonly expressed by its magnitude on the Richter scale, which is a measure of the relative size of the earthquake wave recorded on seismographs. An increase of one whole number on the Richter scale represents a tenfold increase in the amplitude of the seismograph recording. Earthquakes greater than about magnitude 3 usually can be felt by people near the source area, those greater than magnitude 5 are potentially damaging, and any earthquake of magnitude 7 or greater that occurs near populated areas is certain to cause widespread property damage.

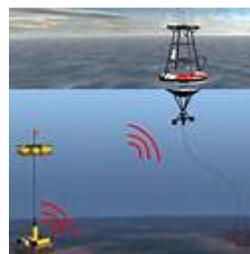
Owners, guests and staff should remain in doorways and under desks during an Earthquake.

Owners, guests and staff should identify potential hazards from an earthquake before one occurs:

- Hot water tanks
- Bookshelves
- TV's
- Computers
- Windows can break inward and glass can be blown around
- Gas lines
- File cabinets
- Hot water tanks
- Electricity can go out and stay out for several hours.

# TSUNAMI

1. A TSUNAMI (pronounced SOO-NAMI) is generated by a sizeable earthquake and can travel for miles before destruction is imminent with speeds similar to a jetliner in the form of a wave, or series of waves, from an undersea earthquake, volcanic eruption or landslide.
2. As a tsunami gets closer to land and the ocean depth decreases, the speed of the tsunami wave slows down and the height of the tsunami wave increases dramatically when water is pulled back from shore.
3. Tsunamis are unpredictable. Once a tsunami makes landfall, the waves can last from five to 15 minutes and doesn't follow a set pattern. We know the first wave may not be the largest.
4. Not all undersea earthquakes or other seismic events create tsunamis, which is why tsunamis are difficult to predict.
5. NOAA (National Oceanic Atmospheric Administration) has installed Deep Ocean Assessment Report (DART) real-time tsunami monitoring systems positioned at strategic locations throughout the ocean and play a critical role in tsunami forecasting.
6. As the tsunami wave propagates across the ocean and successively reaches the DART® systems, these systems report sea level information measurements back to the Tsunami Warning Centers, where the information is processed to produce a new and more refined estimate of the tsunami source. The result is an increasingly accurate forecast of the tsunami that can be used by Hawaii's Civil Defense to issue Watches, Warnings or Evacuations.



# MAUI VISTA ACTIVE RESPONSE

Although Maui Vista will not implement an evacuation of the property unless advised by Civil Defense or the Maui Police Department to do so, we will open a pre-designated Emergency Operations Center to provide information to owners and guests concerned about the impending Watches and Warnings.

## MV EMERGENCY OPERATION CENTER: (EOC)

- **The EOC will be located in the maintenance shop on the first floor at building 3.**
- Upon being notified of a WATCH by Civil Defense, Security will immediately contact the General Manager and then open the EOC, remaining there until the General Manager or another MV staff arrives.
- Maui Vista Security will establish radio service at the EOC (e.g. radio) to provide up-to-date information for owners and guests so they can make "informed" decisions about their safety as it becomes available.
- GM will obtain First Aid Kit and AED from office then respond to EOC and assess.
- GM will review a communication strategy with Security and staff so they can assist answering owner/guest concerns.
- Emergency Evacuation Information Sheet will be available to all owners and guests who have questions or concerns.
- After securing family members, MV Office Staff will contact General Manager to determine staffing needs at the "Emergency Operations Center".
- After securing family members, Maintenance Staff will report to property and standby to begin emergency preparations if directed as follows:
  - a. Water, Electricity, Gas, BBQ's, and Elevators shut down
  - b. Pool furniture placed in pool (if pending Hurricane)
  - c. Windows covered up where applicable
  - d. Secure trash room doors in all buildings on all floors
  - e. Lone chairs in smoking areas will be stacked and laid down or tied down to prevent them from becoming projectiles.
- Orange Emergency Vests will be donned by responding staff to identify them while out on property.
- Flashlights will be used by all staff out on property during an emergency anticipating possible power outages.
- Security will assist owners and guests attempting to exit property using all safety precautions.

## SUPPLIES LOCKED AND STORED IN BUILDING 3 MAINTENANCE ROOM:

- Emergency Handouts
- Battery-powered radio
- Flashlights
- Chairs, Lanterns, Candles, Matches, Paper, Pads, Pens, and Batteries
- Both Golf Carts will remain available by Building 3
- 2 five-gallon jugs of water to be rotated routinely.