



EMERGENCY PREPAREDNESS GUIDE (HURRICANES)

Hurricane season begins June 1st and continues through the end of November. Our island paradise is vulnerable to these types of natural disasters and the Keola La'i Management Team is always looking at how we can better serve our residents before, during, and after an emergency.

This flyer specifically addresses hurricanes and similar tropical storms. It describes what the Management will do to prepare for a storm and what residents should do to protect themselves and their property.

A good source of general information about hurricane preparedness can be found at:

www.ready.gov/hurricanes

2020 Forecast

2 to 6 tropical cyclones are predicted

NOAA's Central Pacific Hurricane Center announced there is a 75% chance of near- or below-normal tropical cyclone activity during the Central Pacific hurricane season this year.

The 2020 outlook also indicates a 25% chance of an above-normal season.

Please check link below for full report.

<https://www.noaa.gov/media-release/near-or-below-normal-2020-hurricane-season-predicted-for-central-pacific>

What to Expect Before, During, and After a Hurricane or Tropical Storm

BEFORE

The Management Office will take steps during the days prior to a hurricane to promote safety and minimize property loss or damage if the forecasted storm hits Honolulu. During this time, our staff will be working extra hard to protect the parts of the building where the risks are greatest. Please be patient and allow the team to complete their tasks as quickly as possible. We've listed below some possible preparatory actions and a notional timeline for completing them:

48 HOURS PRIOR

- Notices will be posted in the elevators to inform residents of advisory levels.
- Pending amenity reservations may be cancelled.
- Potted plants will be relocated.



36 HOURS PRIOR – WATCH ADVISORY

- Sandbags will be distributed in front of common area doors.
- Updated storm information and preparedness information such as lock-down areas and closing times will be posted.

24 HOURS PRIOR – WARNING ADVISORY

- Recreation areas will be closed (with the exception of the Fitness Center and restrooms).
- The pool will be drained 2 ft. and the spa 1 ft., to prevent overflow.

12 HOURS PRIOR

- Updated notices will be posted in the elevators to inform residents of any change in advisory levels.

6 HOURS PRIOR

- The Fitness Center and restrooms will be closed. Sandbags will be distributed in front of the doors.
- A flyer will be posted in the elevators to update residents on the situation.

3 HOURS PRIOR

- Staff will be sent home.

DURING

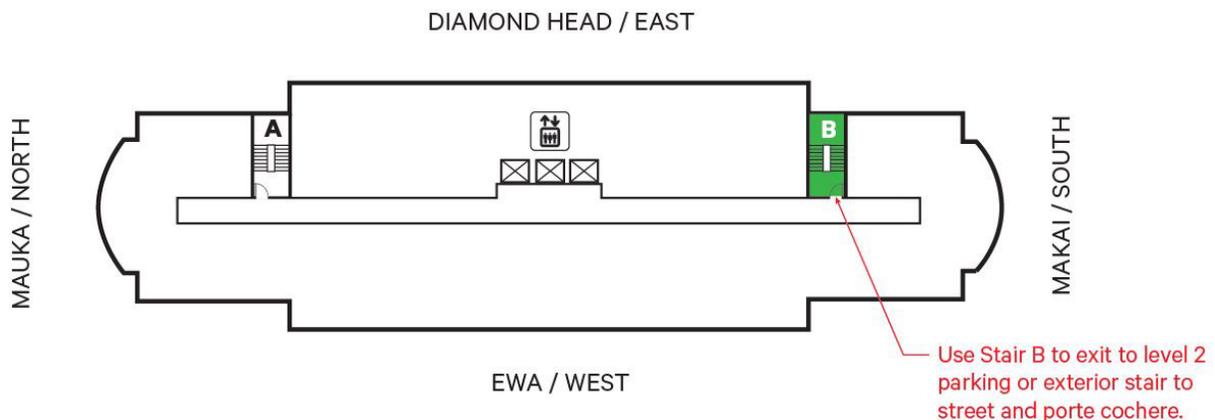
- The effects of a hurricane or tropical storm can last for hours, although there might be a temporary lull if the eye of the storm passes over us. Don't assume that diminishing wind and rain means that the danger is completely over.
- Do not panic no matter how strong the storm is. Staying calm will serve you best.
- Remain inside of your unit. Stay away from windows even if they are locked. Seek refuge inside of bathroom or in the fire stairs if necessary.
- Avoid using the phone except for serious emergencies; the communication needs of emergency responders are a higher priority.
- Be prepared to do without help from our staff and from the local authorities during the storm event.
- Listen to broadcast updates of the status of the storm.
- Be patient and wait for the storm to end.

AFTER A HURRICANE

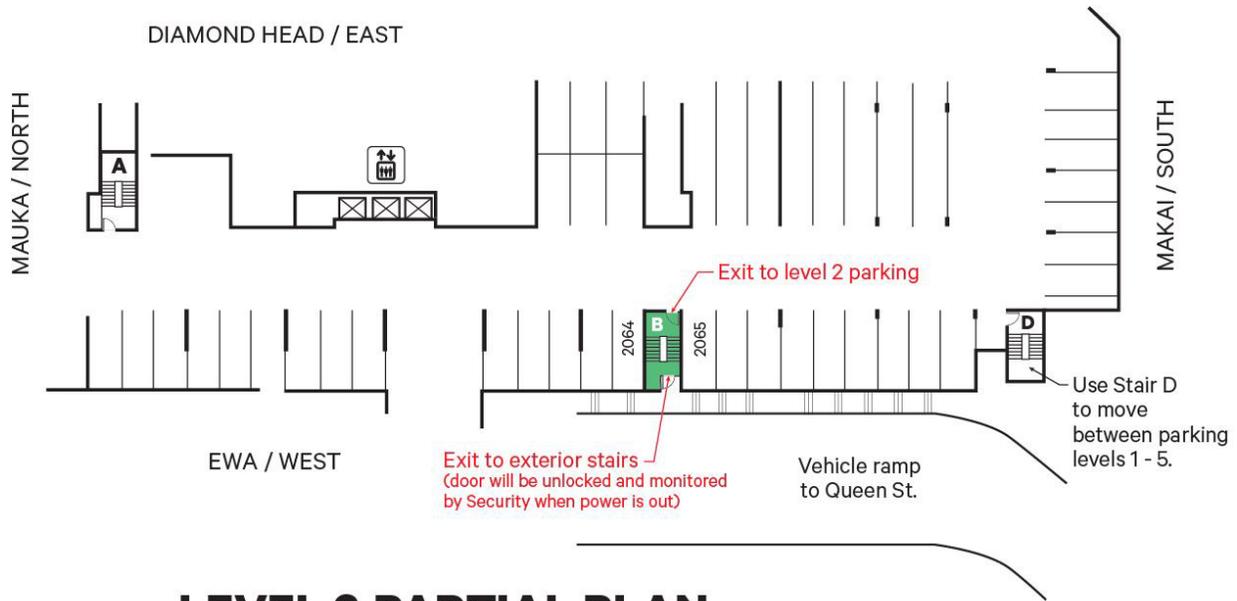
- Wait inside of your unit until the authorities declare is safe to go outside. Be aware of hidden hazards outside after a big storm. It might even be dangerous inside the building’s common areas. Watch for live electrical wires, shattered glass, splintered wood, and debris, as well as structural damage. Safety is always our number one concern.
- Power outages are to be expected and it may take HECO some time to restore electric service. Keola La’i has diesel-powered generators designed to keep a limited number of systems operational for approximately 8 hours.
- Other utilities and systems including water and air conditioning may also be interrupted. Normal operations might not be restored for days.
- Elevators will not be operational during power outage. Use Stairwell B (to your right if you’re facing the elevators) on residential floors to exit the building on level 2 and then go down the exterior stairs running parallel to the Queen Street vehicle ramp. Return to residential floors using this same staircase from level 2.

Please note:

- Stairwell B discharges on floor 2 only. (No exits on floors 1, 3, 4, and 5)
- Use Stairwell D (Queen/Emily corner) to move between parking levels. (No access to 5th floor from stairwell.)
- Key fob readers may not be working during power outage.
- Stairwell A discharges directly to ground level on Kawaiahao Street only.



TYPICAL RESIDENTIAL FLOOR PLAN



LEVEL 2 PARTIAL PLAN

- You can access Stairwell B through a door located on the walkway parallel to the garage ramp, just below the 3rd floor lobby entrance. This door is normally locked for ingress, but it will be unlocked in the event of a power outage.



- Until power is restored, the key fobs readers will not work. All access to the garages will be through the 3rd floor garage gate only. From there, you will be able to drive up or down via the ramps to your stall. The 1st floor garage gates will be locked for security reasons. The lobby doors will be unlocked.



- If electricity is out for an extended period, there may not be enough water pressure to flush toilets. If this happens, you will have to make alternative arrangements until the Board of Water Supply and HECO restore their services. Alternative solutions could include a public restroom or manually dumping water in the toilet, allowing it to flush.
- The General Manager will be on-site to inspect the property, take steps to protect building occupants and manage the restoration of normal services. Status updates will be issued when there is news and it is practical to do so. Some doors may remain locked as a precaution.
- Employees are expected to report back to the building after the storm is over and check-in with the General Manager as soon as they can safely do so. If road conditions make it difficult for our employees to return, it may take considerable time to restore building operations.
- During and after emergencies, the General Manager will consult with available members of the Board of Directors, but he/she has the authority to take appropriate actions to protect the AOA's property, make residents safer, and allow building operations to proceed efficiently. These actions may include: placing tarps over openings, boarding up blown-out doors or windows, removing debris, minimizing potential hazards and dangerous situations, restricting access to some areas, and other measures.
- Building doors that were secured during the storm will be re-opened once staff returns to a normal schedule. However, until we have enough manpower, building operations and assistance will be limited.



IMPORTANT THINGS TO BE AWARE OF:

- Employees will report all damage and repair actions of which they're aware before, during, and after a hurricane. The GM will collate this information and submit a report to the Board of Directors for their review.
- Debris in the roadways may block or limit car and bus traffic. Consider other modes of transportation
- Be patient and expect many inconveniences. The building will not function normally for some time, perhaps weeks, after an especially severe storm.
- The emergency generator has limited capacity and it will stop running when it runs out of diesel fuel. There are only a few companies that deliver diesel on Oahu and it may not be possible for them to come here to re-supply us. The whole island will be calling them for supplies, and we are not the priority.
- It may take hours for the elevator company to arrive if someone gets trapped inside the elevator. We will also call HFD to see if they can help.
- Local authorities and hospitals will be overwhelmed.
- Updates will be communicated via text messaging, email, and flyers posted in the 3rd floor lobby.
- Remain calm and be a good neighbor.
- You may want to turn the refrigerator to the coldest setting and keep it closed as much as possible so that food will last longer if the power goes out.
- You may want to fill your bathtub with water for sanitation and toilet flushing.
- You may want to store important personal documents stored in a waterproof bag.
- You should inspect your unit after the storm. Take pictures of damages for insurance purposes.
- Avoid drinking or preparing food with tap water until officials confirmed it is not contaminated.
- Use flashlights in the dark, **DO NOT USE CANDLES**. The sprinkler and fire alarm systems may not work properly without electricity or water pressure, so a fire caused by a candle could spread without warning.



Be prepared! Start your kit today:

- WATER:** At least one gallon of water per person per day for a minimum of two weeks.
- CASH:** Smaller bills so you can have exact change (\$1, \$5, \$10, & \$20).
- VEHICLE:** Keep your gas tank full. Also, have all necessary cables and adapters to charge cell phones and other electronic devices from your vehicle.
- FOOD:** Stock nonperishable foods that do not require much cooking and disposable plates & utensils that don't need to be washed and a non-electric can opener. Keep "survival foods" on hand such as peanut butter, protein shakes, dried fruits, and nuts.
- RADIO:** Battery-powered or hand crank radio with NOAA weather alert.
- LIGHT:** Have spare flashlights, headlamps, or portable fluorescent lights. Do NOT use candles, as they present a fire hazard.
- BATTERIES:** Have plenty of spare batteries of all sizes. Make sure to have several backups for all radios and flashlights.
- MEDICAL:** Maintain a well-stocked first aid kit. Have backups for any necessary medications and/or medical devices.
- SANITATION ITEMS:** Stock moist towels, heavy-duty trash bags, hand sanitizer, toilet paper, diapers, incontinence supplies, feminine products, baking soda or kitty litter to absorb odors, gloves, and plastic ties.
- PET SUPPLIES:** Have enough food and extra water to last at least 2 weeks. Make sure to have spares of any special medications
- MISCELLANEOUS ITEMS:** Basic tool kit, duct tape, propane stove top and disposable propane fuel cylinders.
- APPS:** Download HLN app and apply for the Smart 911 at www.smart911.com.



Hurricanes are one of nature's most destructive forces. Violent storms can destroy structures. They can result in broken sewer and water mains, loose and dangling electrical wires, power outages, collapsed roads, and widespread destruction. Recent technological and communications advances such as geostationary satellites, radar, and military reconnaissance aircraft have enable authorities to notify the population of advancing hurricane with sufficient time to prepare.

“Hawaii has been, and will be in the future, hit by hurricanes.” Dr. Richard Knabb, a former deputy director at NOAA's Central Pacific Hurricane Center in Honolulu, points out that there is no meteorological reason why the core of a major hurricane can't directly hit Honolulu, resulting in destructive storm surge flooding, wind damage, and rainfall flooding affecting the metro population.

THE CENTRAL PACIFIC HURRICANE SEASON RUNS FROM JUNE 1ST – NOVEMBER 30TH

PREPAREDNESS IS KEY!

If you wait until a watch is posted, you will be competing with thousands of other people.

Watches & Warnings

TROPICAL STORM WATCH: An announcement for specific coastal areas that tropical storm conditions are possible within 36 hours.

TROPICAL STORM WARNING: A warning that sustained winds the range of 39 – 73 mph associated with a tropical cyclone are expected in a specified coastal area within 24 hours or less.

HURRICANE WATCH: An announcement for specific coastal areas that hurricane conditions are possible within 36 hours.

HURRICANE WARNING: A warning that sustained winds of 74 mph or higher associated with a hurricane are expected in a specified coastal area in 24 hours or less. (A hurricane warning can remain in effect when dangerously high water alone or combined with exceptionally high waves continue, even though winds may be less than hurricane force.)

Saffir-Simpson Hurricane Scale		
Category	Wind speed (mph)	Storm surge (feet)
5	156	More than 18
4	131-155	13-18
3	111-130	9-12
2	96-110	6-8
1	74-95	4-5
Additional classifications		
Tropical storm	39-73	0-3
Tropical depression	0-38	0

Hurricane Lane passing south of Hawaii's Big Island on August 21, 2018. At the time, Lane was a high-end Category 4 storm with 155 mph winds, on its way to Category 5 strength. Lane brought the heaviest rains ever recorded in Hawaii from a tropical cyclone, which caused over \$200 million in damage.

