

JULY 29 KAMCHATKA TSUNANI WARNING

Lessons Learned and Evacuation Takeaways

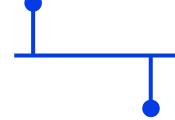
TIMELINE

Tsunami Watch issued at 1:25 PM Staff began communication to emergency workers.

Government employees released at 2:56 PM

All roads in the tsunami evacuation zones confirmed clear. by 7 PM (Note: Est. 1st Wave Arrival was 7:17 PM)

Provided updates through social media and the JIC at 4 PM, 6:15 PM, 7:20 PM, 8:30 PM, 10 PM, 11 PM, and 7:30 AM the next day



Tsunami Warning issued at 2:43 PM Staff started prestaging.

Preliminary actions confirmed at 3:54 PM

- 3:15 PM Kolekole Pass is open for evacuation from the Leeward coast
- 3:30 PM Directed shut down of Nanakuli contraflow to allow max egress
- 3:30 PM Hilo Airport suspended commercial ops to allow for evacuations across the airfield from Keaukaha
- Advised Kauai drivers to avoid Hanalei to allow people to get out
- 3:30 PM Likelike townbound (Wilson Tunnel work) is open
- USCG issuing order for all vessels to leave Hawaii ports
- 3:42 PM Tsunami warning msg is on all active Freeway Signs

PUBLIC RESPONSE

Observations from the Warning

- Importance of timely and coordinated communication.
- Gaps in public understanding of warning levels
 - Watch A tsunami has potentially been generated.
 - Advisory Strong currents or waves are expected in near shore waters.
 - Warning A tsunami with effect to land is expected.
- Need for clearer evacuation protocols.
 - Preparing a report modeling evacuation routes.



KEY LESSONS - TSUNAMI

Improvements for Airports, Harbors, and Highways

Standardize Messaging



- Set messages over Airport PA Systems as necessary
 - Broadcast local news on monitors in terminals
- Ensure expectations for refuge areas are clear for passengers that choose to leave state facilities.

Reduce Volume



- Ensure people that are not in the evacuation zone stay in place so there is room on the roads for people to evacuate
- Increase messaging on vertical evacuation and evacuation by foot/transit/bike

Human Error

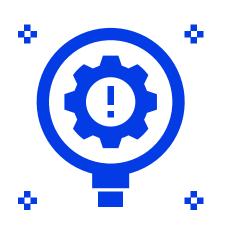


Reduce opportunity for human error by scripting the actions taken prior to est. wave arrival:

- 1) Suggest areas for law enforcement or volunteers to deploy.
- 2) Coordination with military/private road owners.
 - 3) Cancellation of roadwork/contraflows

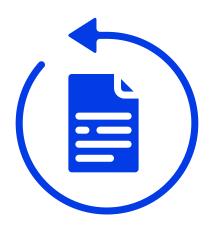
PLANNED IMPROVEMENTS

Hawaii Tsunami Traffic Mitigation Plan



Assessment

HDOT will gather/review data and conduct stakeholder interviews.



Analysis

HDOT to develop scenario visualizations (local and distantly generated tsunami) and test scenarios.



Recommendations

HDOT to finalize report with recommendations and preliminary concept of operations.

Draft plan completion target: November

KEY LESSONS - WILDFIRE

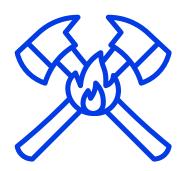
HDOT Actions to Reduce Impacts and Facilitate Evacuation

Evacuation Routes



- Lahaina Evacuation Route Lahainaluna Road to Lahaina Bypass
 - Mililani Mauka Ramp
 - Paakea Road
 - Kolekole Pass

Firebreaks



Cut 1143.6 acres of firebreak in coodination with fire departments in FY 2025.

Received \$15 M for for additional firebreaks.

Working on native plantings to vegetate areas such as Kapolei and Kunia Interchanges and install deer fencing on Maui.

Operational Adjustments



HDOT Aircraft Rescue and Fire
Fighters and Highway crews reach
out to fire departments to offer
assistance. Highways cancels work in
areas under Red Flag Warning.



##