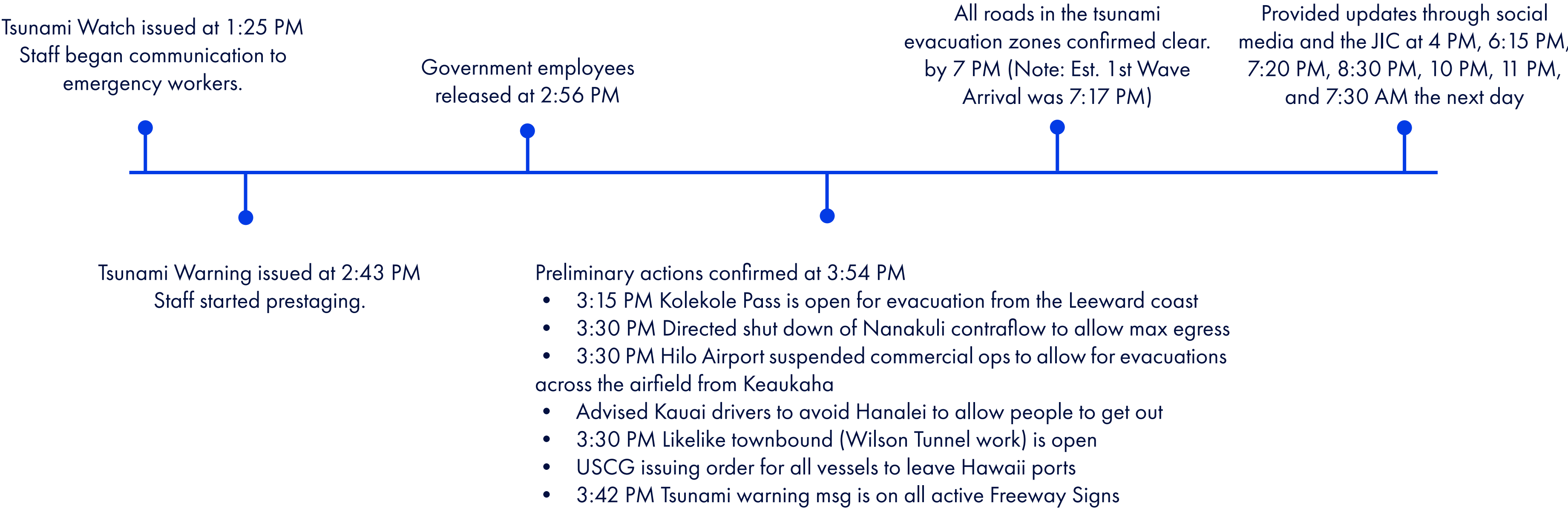


JULY 29 KAMCHATKA TSUNAMI WARNING

Lessons Learned and Evacuation Takeaways

TIMELINE



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.



Photo by Associated Press Michelle Bir

KEY LESSONS - TSUNAMI

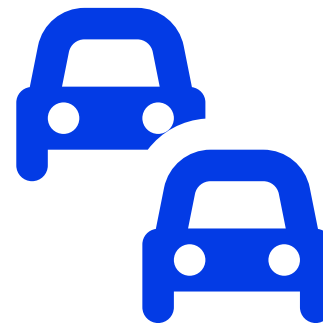
Improvements for Airports, Harbors, and Highways

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

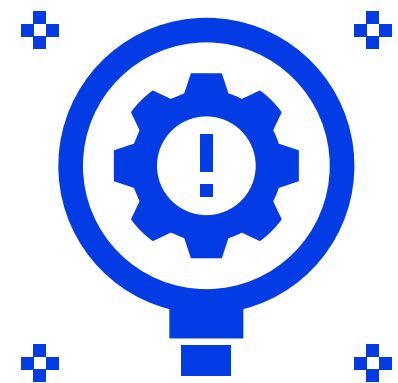
Human Error



- 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

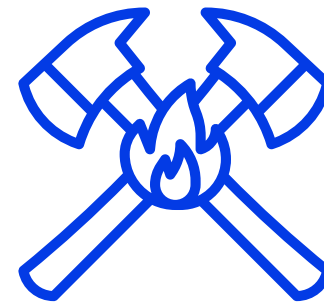
HDOT Actions to Reduce Impacts and Facilitate Evacuation

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 coordination with fire departments in FY 2025.
Received \$15 M 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.

MAHALO

