

DHS and FEMA Use of Weather Forecasts

Michael Hurick

FEMA

February 28, 2018



FEMA

DHS Components actively using Weather Resources

Components

- Federal Emergency Management Agency (FEMA)
- U.S. Customs and Border Patrol (USCBP)
- U.S. Coast Guard (USCG)
- U.S. Secret Service (USSS)



FEMA

What and how do we as Department of Homeland Security and FEMA use Weather resources?

Weather Resources

- National Weather Service – Silver Spring, Maryland
 - National Hurricane Center – Miami, Florida
 - Central Pacific Hurricane Center – Honolulu, Hawaii
 - Joint Typhoon Warning Center – Pearl Harbor, Hawaii (DOD)
 - Aviation Weather Center – Kansas City, Missouri
 - Fire Weather Center – Boise, Idaho



FEMA

NATIONAL WEATHER SERVICE

(FEMA, USCG, USCBP, USSS)

- Daily and Extended Forecasts
- Severe Weather
- Winter Storms
- Drought
- Flooding
 - Flash Flood
 - Surface Flooding
 - Riverine Flooding (NWS/USGS)



FEMA

NATIONAL HURRICANE CENTER CENTRAL PACIFIC HURRICANE CENTER JOINT TYPHOON WARNING CENTER

(FEMA, USCG, USCBP)

- Established Seasons
- Tracking – Predicted Landfalls
- Forecasted Severity
- Forecasted Wind and Precipitation



FEMA

AVIATION WEATHER CENTER

(USCG, USCBP, FEMA)

- Daily Forecasts
- Winds Aloft
- Temperature
- Humidity
- Density Altitudes



FEMA

FIRE WEATHER CENTER

(FEMA, USCG, USCBP)

- Drought Conditions
- Wind
- Temperature
- Humidity



FEMA



FEMA