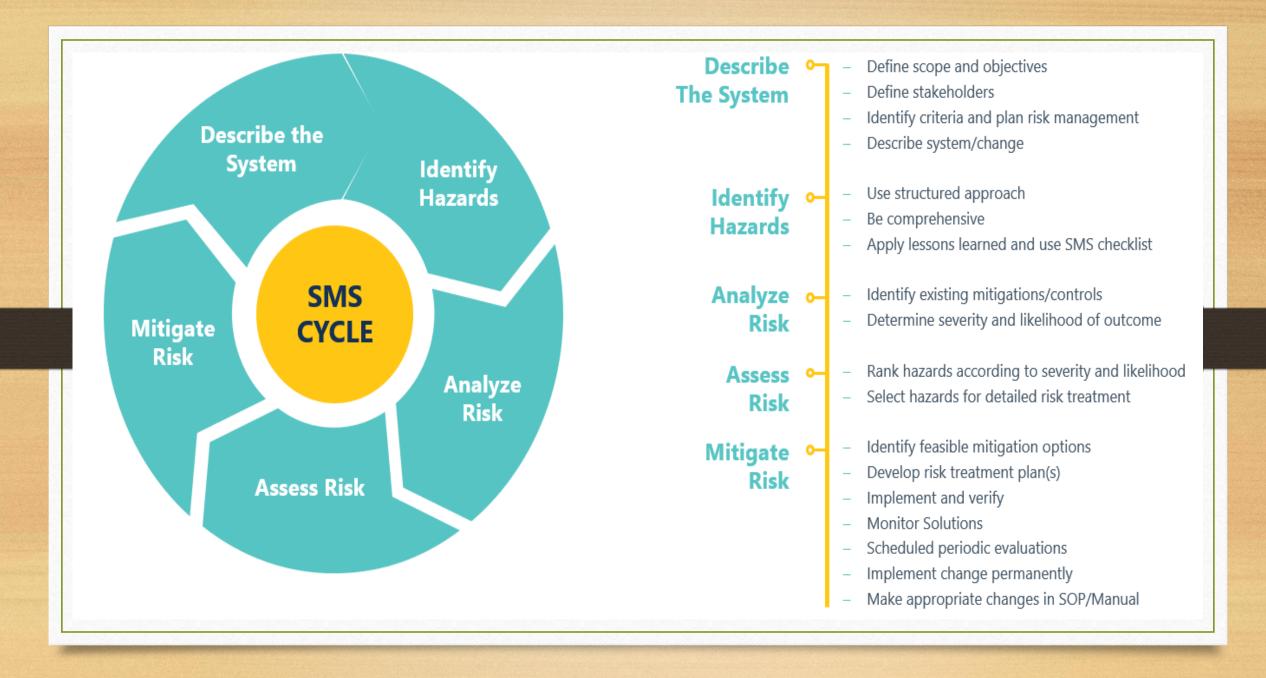




# Managing Aircraft Rescue Fire Fighting (ARFF) First Responders in Pre & Post Pandemic Environment

February 2024

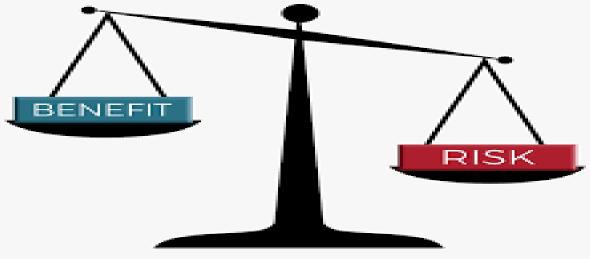
Martinez R. Jacobs Airports Fire Chief



# Legal Requirements

- Reasonable Practicable usually takes into account:
- The Severity of harm and degree of risk (or likelihood) of that injury or harm occurring. Greater risk, reasonable to go to very considerable expense and effort to reduce it.
- How much is known about the hazard and the ways of eliminating, reducing or controlling it. What are others

practicing and what the standards recommend?







# **Hawaii Airports Emergency Medical Strategic Response Matrix**



## Oahu District No.1:

Primary Medical Equipment Station For Deployment

Acute Care Center (ACC) (28") H-(ACC)

Medical Support Trailer (28') H-MED-28'

Medical Response Trailer (28') H-MED-28"

Medical Response Trailer (14') H-MED-14'

#### Honolulu (High Risk)

Acute Care Center (ACC) (28') H(ACC) Medical Support Trailer (28') H-MED-28' Medical Response Trailer (28') H-MED-28"

#### Kalaeloa (Moderate Risk)

Medical Response Trailer (28') H-MED-28"

### Maui District

#### Kahului (Moderate Risk)

Medical Response Trailer (28') H-MED-28'

#### Kapalua (Remote High Risk)

Medical Response Trailer (14') H-MED-14'

#### Hana (Remote High Risk)

Medical Response Trailer (14') H-MED-14'

#### Lanai (Remote High Risk)

Medical Response Trailer (14') H-MED-14'

#### Molokai (Remote High Risk)

Medical Response Trailer (14') H-MED-14'

# Kalaupapa (Remote High Risk)

Medical Response Trailer (14') H-MED-14'

# Hawaii District No.2:

Primary Medical Equipment Station For Deployment

#### Kona (High Risk)

Medical Response Trailer (28') H(ACC)-28' Acute Care Center (ACC) (28') H-MED-28' Medical Support Trailer (28') H-MED-28'

#### Waimea (Remote High Risk)

Medical Response Trailer (14') H-MED-14'

#### Hilo (Moderate Risk)

Medical Response Trailer (28') H-MED-28'

## Kauai District (Moderate Risk)

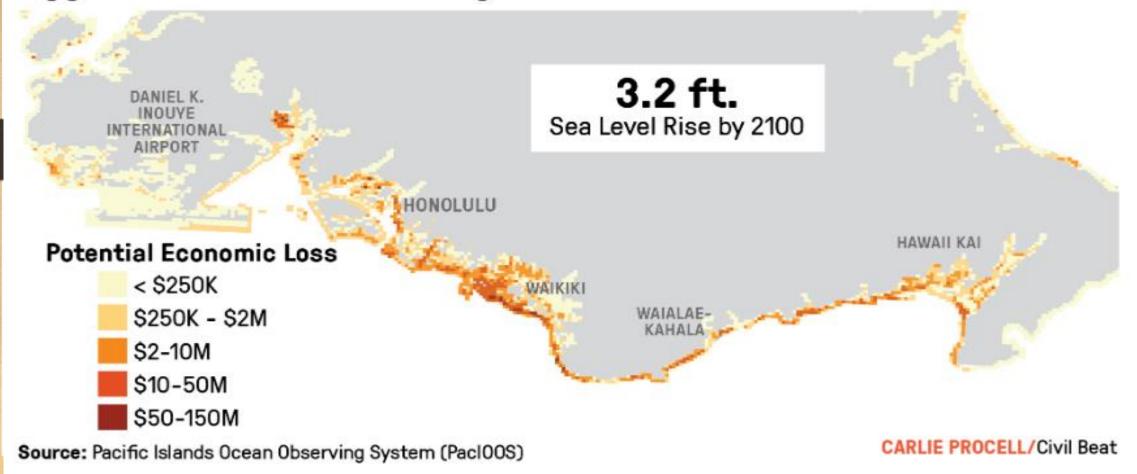
#### Lihue

Medical Response Trailer (28') H-MED-28'



# SEA LEVEL RISE IMPACT

Conservatively, sea level rise is estimated to cost Hawaii more than \$20 billion from lost structures and land alone by 2100, with the biggest financial loss in the greater Honolulu area.









# **Geophysical events**

- Earthquakes
- Volcanoes
- Tsunamis

# **Geographical conditions**

Adverse terrain

- Large bodies of wa
- **Environmental events** 
  - Wildfires
  - Wildlife activity

- Large bodies of W
- Insect or pest infestation

Floods

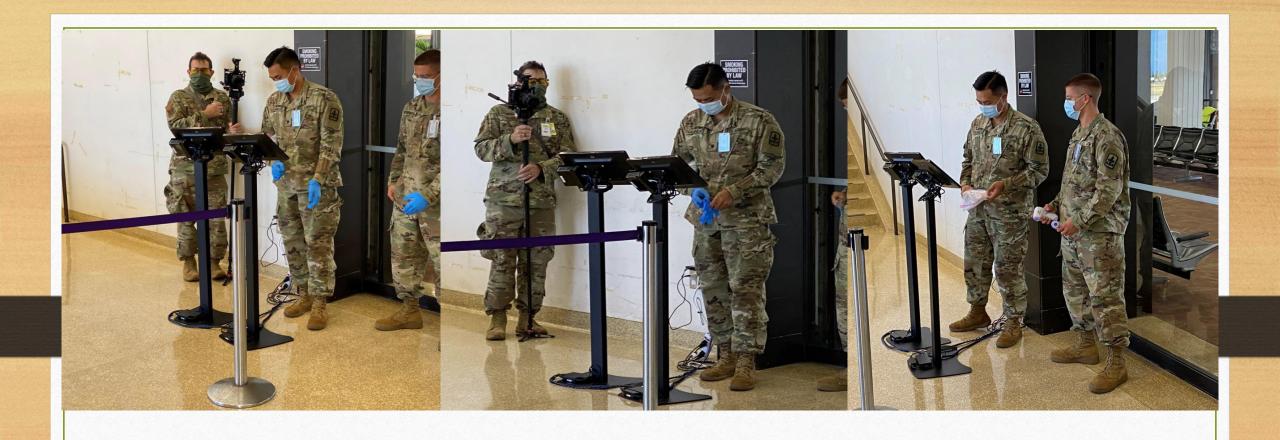
Landslides

# Public health events

• Epidemics of influenza or other diseases







**Temperature Screening In Transition** 

National Preparedness - Federal Emergency Management Agency — Hawaii Emergency Management Agency

Strategic Planning – Training – Federal – State – Local Funding

Data Driven Studies of Climate Changing Local Environment

National Emergency Health Pandemic Impact on First Responders

Emergency Managers Core Capabilities – Community Involvement – Airport Stakeholders

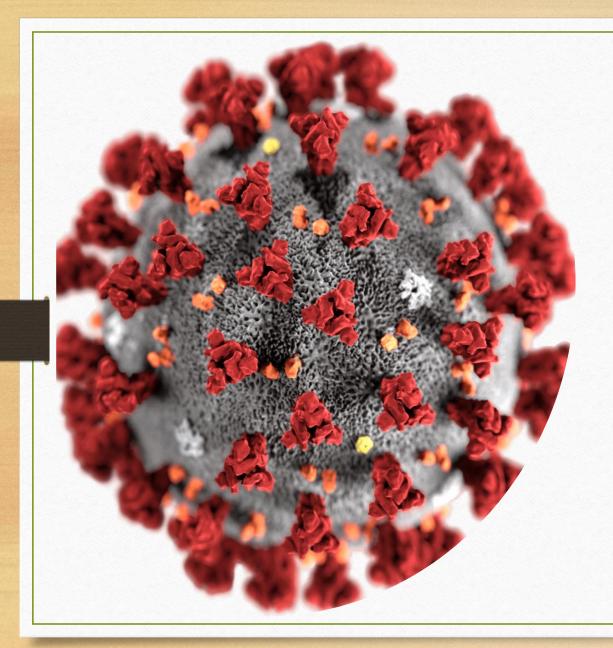
- Fire Management and Suppression
- Logistics and Supply Chain Management
- Public Health & First Responder Mental Health
- First Responders & Families Health Care
- Emergency Medical Services (EMS)
- Short & Long Term First Responder Vulnerability

# Capability Gap for First Responders

- Preparing for Multi- Island Response Incidents
- Cascading Impacts Dependencies on Federal & State & County Funding
- Policy, Guidance and Governance
- Continuity Planning
- Adequate Staffing
- Strengthening Partnerships
- Better Decision Making
- Strengthening Command Structure
- Specialized Equipment
- Enhancing Internal & External Communication

# First Responders Lessons Learned Pre/Post Pandemic

- Adjusting Staffing to Reduce COVID Transmission/Ensure Staff Availability
- Adjusting Emergency Response Protocols
- Developing Health & Wellness Protocols & Procedures
- Health Screenings Employee Temperature Screening
- Social Distancing Protocols
- Drafting Safety Protocols
- Personnel Protective Equipment
- Cleaning Protocols
- Ensuring Mental and Emotional Wellness of First Responder
- Facilitating Mental and Emotional Wellness of First Responder Family Members
- COVID Vaccine Distributions & Data
- Multi-Agency Supply Coordination (PPE)
- OSHA Required Illness Record Keeping
- Safety Audits, Inspections and Training
- Communication Communication Communication



"Everything we do before a PANDEMIC will seem ALARMIST, Everything we do after will seem Inadequate" MICHAEL LEAVITT