

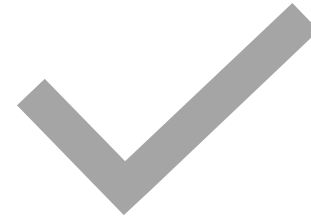
# RESILIENCE POSTURE: TSUNAMIS



## RESILIENCE DEFINED

### UNDERSTANDING RESILIENCE (FEMA DOCTRINE)

Resilience can be defined and approached in many ways. For the purposes of the National Resilience Guidance (NRG), resilience is the ***ability to prepare for threats and hazards, adapt to changing conditions, and withstand and recover rapidly from adverse conditions and disruptions.***



## FIVE PHASES OF DISASTER MANAGEMENT

PREVENTION

MITIGATION

PREPAREDNESS

RESPONSE

RECOVERY

# RESILIENCE POSTURE: TSUNAMIS

- FIVE PHASES



- PREVENTION

- Prevention focuses on avoiding disasters before they occur. This phase involves identifying potential hazards and implementing measures to reduce risks. Key activities include:

- Conducting risk assessments to identify vulnerabilities.
- Developing policies and regulations, such as building codes and land-use planning, to minimize risks.
- Raising public awareness about potential hazards and encouraging risk-reducing behaviors.

- MITIGATION

- PREPAREDNESS

- RESPONSE

- RECOVERY

# RESILIENCE POSTURE: TSUNAMIS

- FIVE PHASES
  - PREVENTION
  - ✓ • MITIGATION
    - Mitigation aims to lessen the impact of disasters that cannot be prevented. This phase includes both structural and non-structural measures to reduce the severity of disasters. Examples include:
      - Constructing infrastructure like levees and flood barriers.
      - Implementing zoning laws to limit development in high-risk areas.
  - PREPAREDNESS
  - RESPONSE
  - RECOVERY

# RESILIENCE POSTURE: TSUNAMIS

- FIVE PHASES

- PREVENTION

- MITIGATION

- PREPAREDNESS



- Preparedness involves planning and training to ensure effective response when a disaster occurs. This phase includes:

- Developing emergency plans and conducting drills to practice response strategies.

- Training personnel and organizing resources to ensure readiness for various disaster scenarios.

- RESPONSE

- RECOVERY


# RESILIENCE POSTURE: TSUNAMIS

- FIVE PHASES
  - PREVENTION
  - MITIGATION
  - PREPAREDNESS
  - ✓ • RESPONSE
    - Response is the immediate reaction to a disaster, focusing on saving lives and providing assistance. Key activities during this phase include:
      - Activating emergency operations centers and coordinating resources.
      - Conducting search and rescue operations, providing medical care, and ensuring public safety.
  - RECOVERY

# RESILIENCE POSTURE: TSUNAMIS

- FIVE PHASES

- PREVENTION
- MITIGATION
- PREPAREDNESS
- RESPONSE
- RECOVERY



- Recovery begins once the immediate threat to life has subsided. This phase focuses on restoring the affected area to normalcy and includes:

- Cleaning up debris and rebuilding infrastructure.
- Providing financial assistance to individuals and communities to help them recover.

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- JULY 2025
  - TSUNAMI WARNING
    - Part Preparation, Part Response
    - Critical Messaging
    - Pace-setting (Clear, Comprehensive, Timely, & True)
    - Shared Consensus:
      - As an Impromptu Exercise:
        - Good lessons learned
        - Improvement/Progress demonstrated
        - Post-Warning Conversations
      - IF REAL WORLD EVENT:
        - We would have had a lot of people uninformed when they needed it
        - There would have been serious damage, unnecessary casualties

Waves reach US west coast after  
Russian earthquake as Japan lifts  
tsunami warnings

🕒 30 July 2025



# RESILIENCE POSTURE: TSUNAMIS

- IN-PROGRESS IMPROVEMENTS
  - ODEM Facilities Upgrade
    - 24 Hour/EOC Capabilities – July 2026
    - Staffing Development/Deployment
  - Increased EM Communitywide Interoperability of Warning Systems
  - Associated Gains from recent All-Hazards and Wildfire investments
    - More equipment
    - More experienced personnel
    - Applications of Lessons Learned



# RESILIENCE POSTURE: TSUNAMIS

Second earthquake in 2 days rumbles deep under the Pacific off Oregon coast

- SEPTEMBER 2025
  - RECENT SEISMIC ACTIVITIES
    - 0 EARTHQUAKES IN PAST 24 HOURS
    - 6 EARTHQUAKES IN PAST 7 DAYS
    - 34 EARTHQUAKES IN PAST 30 DAYS
    - 92 EARTHQUAKES IN PAST 365 DAYS \*
    - 5.9 SCALE THIS PAST WEEK
  - INCREASING ACTIVITIES ALONG THE PACIFIC RIM
    - JULY TSUNAMIS ORIGINATED WITH EARTHQUAKE/S IN RUSSIA
    - WE ARE LOCATED IN A VERY ACTIVE GEOLOGICAL REGION
    - WE ARE ALREADY BETTING AGAINST THE CLOCK
      - JANUARY 26, 1700 LAST MAJOR EVENT
      - 300 YEAR AVERAGE
      - 325 YEARS, 8 MONTHS, AND COUNTING

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QUESTIONS