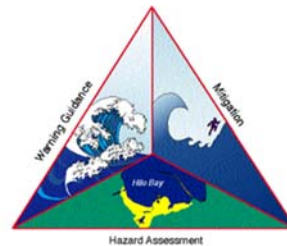


Tsunami Education and Outreach Activities

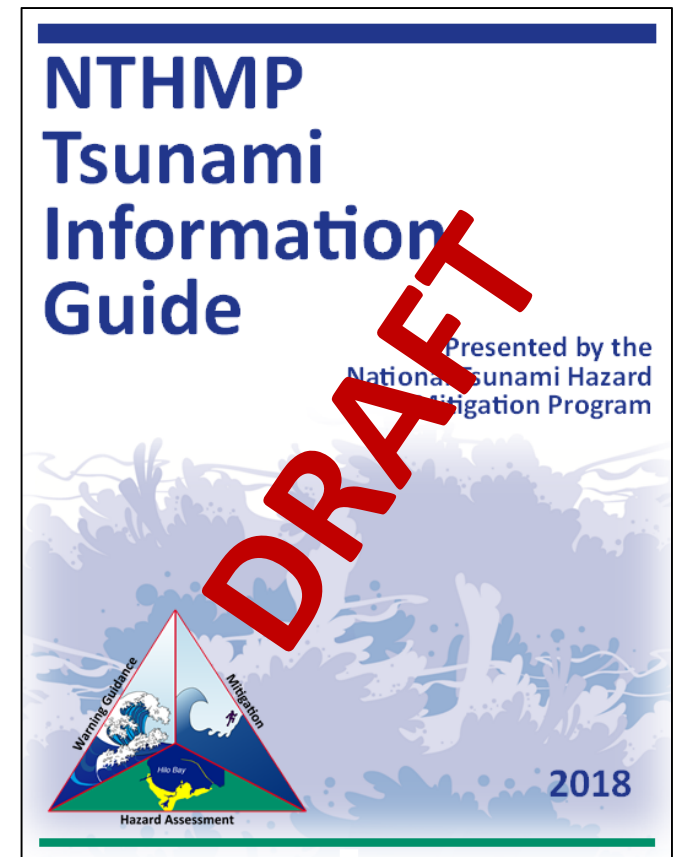
Christa Rabenold
National Weather Service
Tsunami Service Program
(Syneren Technologies)

2018 NTHMP MES Summer Meeting



Tsunami Information Guide

- New Name:
 - NTHMP Tsunami Information Guide
- New Purpose:
 - General audience
- New Structure:
 - Question Headings
- Status:
 - Draft text with reviewers



CRS Fact Sheets

The Community Rating System (CRS)....

- Is a voluntary incentive program for FEMA/ National Flood Insurance Program participating communities.
- Offers reduced flood insurance premiums to residents based on flood hazard reduction activities that exceed minimum floodplain management requirements.
- **Recognizes tsunamis as a “special flood-related hazard.”**
- Assigns tsunami-related credits in four categories.



Tsunamis and the CRS

Communities can strengthen their tsunami preparedness, mitigation, and response efforts **AND** improve their CRS ratings by incorporating tsunamis into floodplain regulations, planning, and public information.

How?

Tsunamis and the CRS

Public Information

- Map Information Service
 - Provide inquirers with information about tsunami hazard
- Outreach Projects
 - Provide public with information about tsunamis and tsunami preparedness
- Hazard Disclosure
 - Disclose a property's tsunami hazard to prospective buyers
- Flood Protection Information
 - Maintain detailed information about tsunami protection in library or online

Mapping and Regulations

- Flood Hazard Mapping
 - Map tsunami hazard areas for regulatory or management purposes
- Open Space Preservation
 - Preserve open space in tsunami hazard areas
- Higher Regulatory Standards
 - Regulate development in tsunami hazard areas

Tsunamis and the CRS

Flood Damage Reduction

- Floodplain Management Planning
 - Include tsunamis in floodplain management plan
- Acquisition and Relocation
 - Clear buildings from tsunami hazard areas
- Flood Protection
 - Take measures to protect buildings from tsunamis in defined flood hazard areas

Warning and Response

- Flood Warning and Response
 - Receive TsunamiReady Recognition from the National Weather Service



Tsunamis and the CRS



FEMA

Fact Sheet

Federal Insurance and Mitigation Administration

DRAFT

Tsunami Preparedness and the Community Rating System

2018

A tsunami is one of nature's most powerful and destructive forces. It can produce dangerous currents, flood land rapidly, and devastate coastal communities. Large tsunamis do not happen often, but they pose a significant threat. Even small, more frequent tsunamis can cause loss of life, injury, and considerable damage.

Given changes to our built and natural environments, coastal communities face an increased risk from floods and a continuing rise in flood insurance costs. The Community Rating System (CRS) of the National Flood Insurance Program (NFIP) can help alleviate these increases, and so can recognizing tsunamis as part of a community's flood threat.

The CRS is a voluntary program that rewards a community-centered approach to reducing all types of local flood hazards and recognizes tsunamis as part of a community's flood threat. Under a system of credit points based on the effectiveness of a variety of flood loss reduction techniques and life safety measures, a CRS-participating community obtains a CRS Class "rating." This rating entitles residents to a reduction in their NFIP flood insurance policy premiums.

Tsunami: A Special Flood-related Hazard

Tsunamis are one of the "special flood-related hazards" recognized by the CRS. Through support from the National Tsunami Hazard Mitigation Program and the National Oceanic and Atmospheric Administration's (NOAA)

TsunamiReady® program, many coastal communities are aware of the threat and are increasingly engaged in reducing tsunami impacts. These efforts are a largely untapped source of CRS credit.

Creditable Tsunami Activities

Activities conducted by communities to reduce their tsunami risk can help lower insurance premiums. The CRS offers tsunami-related credit in four categories as briefly described below.

"FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards."

More about the CRS

The Community Rating System rewards communities that undertake flood hazard reduction activities that exceed the minimum floodplain management requirements of the NFIP. The CRS encourages a community-centered approach to all local hazards, including tsunamis.

The CRS uses a rating system that is similar to fire insurance rating to determine discounts on flood insurance premiums for residents. The CRS rates communities from 9 to 1, based on points that they earn for conducting their choice of a range of creditable activities.

Class 9 communities receive a 5% discount for their residents in Special Flood Hazard Areas (SFHAs). As a community engages in additional mitigation activities, it earns more credit and a higher CRS Class rating. Each CRS Class improvement yields an additional 5% discount on flood insurance premiums for properties in the SFHA, up to 45% for a Class 1 community.

The CRS began in 1990. Today there are 1,488 CRS communities, with over two-thirds of the NFIP policy base.

Public Information

This category credits activities that advise people about the hazard, flood insurance, and protection measures.

Map Information Service credit is available for providing inquirers with information about the local tsunami hazard.

Outreach Projects credit is available for providing the public with information to increase tsunami hazard awareness and to motivate actions to minimize impacts before, during, and after an event.

Hazard Disclosure credit is available for disclosing a property's tsunami hazard to prospective buyers before the lender notifies them of the need for flood insurance.



FEMA

Fact Sheet

Federal Insurance and Mitigation Administration

DRAFT

Tsunamis and the Community Rating System: Preparing Through Outreach

2018

Tsunamis are among nature's most powerful and destructive forces. Although they cannot be prevented, there are actions people can take before, during, and after a tsunami that can save lives. Coastal residents and visitors must be educated about their tsunami risk, how to appropriately respond to tsunamis, and how to prepare for potential impacts. Coastal communities play a central role in providing this education.

In the face of ongoing changes to the Nation's built and natural environments, coastal communities face an increased risk from floods and a continuing rise in the cost of flood insurance. The Community Rating System (CRS) of the National Flood Insurance Program (NFIP) can help alleviate these increases, and so can recognizing tsunamis as part of a community's flood threat.

Major tsunamis don't happen often, but when they do they can have a significant impact on life and property. Even small, more frequent tsunamis can cause loss of life, injuries, and considerable damage.



Tsunamis and the CRS

The CRS is a voluntary program that provides flood insurance premium discounts to policyholders in communities that undertake certain actions to reduce all types of flood hazards. Tsunamis are one of the "special flood-related hazards" recognized by the CRS. Through support from the National Tsunami Hazard Mitigation Program and the National Oceanic and Atmospheric Administration's (NOAA) TsunamiReady® program, many coastal communities have become aware of their tsunami threat and conduct public information activities to help residents, visitors, and the businesses that serve them

understand the risk and how to prepare for and respond to tsunamis. These efforts are a largely untapped source of CRS credit.

Credit for Tsunami Outreach

Under its Public Information Activities category, the CRS credits outreach messages, projects, and plans that incorporate research-based evidence into efforts to motivate people to prepare for tsunamis.

Outreach Project credit is available under the CRS for annual outreach projects and for projects conducted in response to a tsunami. Projects can be informational (e.g., brochures and similar documents that people can pick up in a public place), general outreach (e.g.,

More about the CRS

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NTHMP Website

Where we need your help:

- Homepage slideshow (landscape format)
- Partner Web Resources
- Tsunami Maps
- Tsunami Evacuation Signs
- Partner States and Territories

Review and send updates (additions, deletions, changes) to: christa.rabenold@noaa.gov

- Provide content for NWS Tsunami Safety website
- Create expanded NOAA Tsunami Program fact sheet
- Provide direction and content for Tsunami.gov non-operational web pages
- Coordinate updates of COMET tsunami modules
- Coordinate updates for tsunami pages on NWS JetStream Online Weather School
- Create NTHMP fact sheet
- ~~Develop evacuation modeling guidance~~
- Create hazard assessment summary/fact sheet to support national-level “know your hazard” outreach
- Provide national-level support for Tsunami Preparedness Campaigns
- Support development of the TsunamiZone as vehicle for tsunami preparedness activities and information
- Update Tsunami Awareness and Safety fact sheet
- Create online compilation of links to tsunami evacuation and inundation maps
- Create materials that describe how FEMA’s Community Rating System can enhance tsunami mitigation and support efforts to achieve TsunamiReady recognition
- Update NTHMP Media Guide
- Update Compendium of Tsunami Education Resources and create independent web page
- Create meteotsunami awareness fact sheet
- Develop resource to help commemorate tsunamis as a way to further tsunami awareness and preparedness

Thank You for Your Time!

Christa Rabenold

301-427-9343

christa.rabenold@noaa.gov

#SafePlaceSelfie

