

MES Summer Notes – July 24th – 26th, 2018

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MES 2018 Work plan: Overview of Work Plan – this is specific to 2018 and goals to achieve in one-year.

- **TsulInfo Alert: Goal Increase Annual Readers**
 - Discussion on submitting articles to highlight state successes
 - Intended for the public, emergency management and local, state elected officials, and
 - 300 Hard copies, 200 email subscribers), on-line version receives around 100 visitors/month
 - Tsunami Zone can integrate TsulInfo Alert content.
 - Suggestion to Link TsulInfo Alert on the TsunamiZone.org Website
 - Washington, Oregon, Hawaii, Alaska and Pacific Islands Expressed Interest in Developing a Page on the TsunamiZone.org Website.
 - Provides a Historical Record for the National Tsunami Hazard Mitigation Program (NTHMP)
 - Circulated to Congress and National Oceanic and Atmospheric Administration (NOAA) Leadership
 - Opportunity to Share/Showcase NTHMP Work Beyond NTHMP Partners
 - Request to Identify Recipients of TsulInfo Alert (Hard Copy and Electronic Distribution)
- **Social Science Project:** Update membership – Funded under WA grant – See Notes Below in later discussion
- **Maritime Guidance Document:** Funded under CA grant – See Notes Below in later discussion
- **Tsunami Information Guidance:** This is an update to the media guidebook, but more to a PIO and public to keep messaging consistent
- **FEMA CRS Fact Sheets:** See notes below. Update later in discussion

Other Strategic MES elements:

Discussion on 2018 Tsunami Source database. Combined MES/MMS task.

MMS is the lead

Hazus – ongoing within in FEMA still will not have guidelines in 2018

Tsunami Assembly Area Terminology & Guidance: Discussion with what others do and how other states are dealing with Assembly areas.

Thinking ahead for 2019:

Add Polygon (WEA) discussion to MES work plan

Reassessing other work plan objectives and future planning to achieve objectives.

Social Science Update – Maximilian Dixon, WA EMD

Include literature review as a deliverable (state partners will provide social science work already done, baseline survey info to get the contractor started etc. also ask Nate Wood for material etc.)

- Get this collected before RFP decision meeting (HI, AK, OR, WA, CA)
- National Hazard Center site as resource
- Develop RFP template draft
- Have partners verify the link to the brochures/maps

Evacuation map/brochure, what content is necessary (text, template, etc.)

Non-coastal residents as “tourists”?

For baseline survey (could we include a question or two to the public about “How have you received tsunami evacuation info?”)

- Request to Identify Additional Participants on the Social Science Project Committee
- Request for Information (RFI) Completed – 2 Responses Received
- Project Not Yet Awarded
- Cost Exceeded Initial Projection
 - May Need to Refine Deliverables to Manage Scope and Budget
- Request for Proposal (RFP)
 - Will go out as soon as Project is Officially Funded by NOAA
 - Washington Requesting Assistance for Development of RFP
- 5 NTHMP Partners Agreed to Collaborate on Project
- Representative from each of the 5 NTHMP Partners will be Chosen to Collaborate in Selecting the Project Contractor
- Data Collection – Develop Initial Baseline
 - Interviews
 - Focus Group Discussions
 - Surveys
 - Implement Products
 - Follow-Up to Measure Increase in Awareness
 - Project Deliverables
 - Conduct Literature Review

- Develop Evacuation Map and Brochure (Electronic & Print)
- Compare and Evaluate Existing Products
- Establish Good Baseline in Phase I
- Complete a Report Containing Methodology and Key Findings
- Ensure Deliverable is Implementable and Understood
- California will Share Available Data
- Review Information Available Through Natural Hazards Center in Colorado (Natural Hazards Center Website)

Summary:

Focus on Evacuation Only

Support updated guidelines for Evacuation Map/Brochure – Digital and Print Format

Expand “Tourist” to include all “Non-Coastal Residents”

Guidelines and Best Practices for Maritime Communities Discussion:

Presentation by Kevin Miller (2018 update of NTHMP Guidelines and Best Practices for Tsunami Hazard Analysis, Planning, and Preparedness for Maritime Communities & National Maritime Guidance Outline)

California is the Lead for this Project and is collaborating with members of the Mapping and Modeling Subcommittee (MMS) and Other States and Territories of the Mitigation and Education Subcommittee (MES).

California Included a Funding Request in its 2018/2019 NOAA Grant Application to Develop the Maritime Guidance.

Next Steps:

- Capture Work being done by NTHMP Partners
- Include Guidance for Local Source Events
- Consider “Assembly Areas” for Vessels Instead of sending them Out to Sea without an End Destination
- Address Commercial and Recreational Boater Community Needs – Should All Evacuate in Same Manner to Same Area? (Develop Pros and Cons for Each Option)
- Suggestion to Include Input from those who implement the Guidance/Plans
 - Coast Guard (Include at District Level)
 - Harbor Masters
 - Commercial Boating Industry Representatives

ITIC Update:

Presentation by Laura Kong (International Maritime Work & International Marine & Ports Tsunami Guidance and Structural Design & Vertical Evacuation Guidance)

UNESCO IOC TOWS – Task Team on Disaster Management and Preparedness

Has met annually since 2007

UNESCO IOC TOWS (Global Working Group): Tsunami Task Team

- Looking to Strengthen Emergency Response Procedures
- Developed a Standard Operating Procedures Manual Tsunami Warning and Emergency Management – High level document.
- Looking at Evacuation Mapping (Develop Guidelines)
- Building a Tsunami Ready Training Course and supporting Tsunami Ready pilots in different countries
- Developing Additional Document: Preparing for Community Tsunami Evacuations (2018)
- Developing Maritime and Ports Guidance – Available on Website
 - Collecting Information: Japan (a lot of information), possibly Indonesia and New Zealand
- Structural Design and Vertical Evacuation Guidance and Best Practices
 - Currently Under Study
 - Washington Developing Guidance – Fall 2018
 - Complete Package on How to Navigate Process, Continuation of Safe Haven Effort
 - Japan Developed Evacuation Manual for Container Ships (available in Japanese)
 - Checklist Developed (available in English)

Tsunami Zone.org discussion:

- CA and Caribbean are utilizing.
- New development: Washington, Oregon and Alaska would like to set up a page
- What is Current Usage and Need? (outside California and Caribbean)
- Washington Used to List Public Events and Would Like to Use for Upcoming Roadshow and other Events
- Would Like to Include Outreach Materials on a Washington Page Specific to that Area
- Suggestions to Enable Co-Registration for ShakeOut and TsunamiZone
- Complete One Registration form with a Check-Box to Automatically Link and Register for the Other Event
- Add a Ports and Harbors Sector Delineation to Identify Exercise Participation
- Each State would have a Webpage (not Website)
- Caribbean Uses TsunamiZone.org to Track Registration for CaribeWave

TsunamiZone originally does as a Pilot - Discussion of Value in Maintaining Project

- Available Funding vs. Funding Other Projects
- NOAA Currently Evaluating Projects Needing Long-Term Funding
- Potential to Tie-In Social Science Project

Discussion on Updates that could be developed:

- Utilize TsunamiZone to Track Demographics/Statistical Chart (ie. School Participation, TsunamiReady Designee Participation, etc.)
- Simplify Registration Forms
- Create Portal for Jurisdiction Representatives
- Ability to add an event to calendar has to be approved and a link to the event (such as EventBrite, etc.)
- T2 statistics page

- Coordination Portal
- Manual review of registration submission when over 1000 participants
- Good Analytics

Tsunami Education and Outreach Activities presentation presented by Christa Rabenold.

- **Tsunami Information Guide:**
Status: Draft text is available

- **CRS Update:** see presentation for specifics.
Federal Emergency Management Agency (FEMA) Community Rating System Fact Sheet
 - Project is On-Going
 - Goal: Increase Community Participation in System/Program
 - Sections:
 - Public Information
 - Mapping and Regulations
 - Flood Damage Reduction
 - Warning and Response (Credit for TsunamiReady)

- **NTHMP Website:**
 - Need images for landscape slide show - continuously
 - Communicate to NOAA any Changes to Links Between State Webpage and NTHMP Website Partner Web Resources – like what is displayed and shared

Wednesday July 25th, 2018

Mitigation and Recovery Discussion: (Laurie Johnson)

- Developing a Community Recovery Guidance Document
 - Could Meet TsunamiReady Tier II Requirement
- Develop a Working Group
- Make Recommendations to MES and MMS
- Comprised of Participants from MMS and MES (Non-NTHMP Members can participate)

Vertical Evacuation:

Laura Kong presented on International efforts for Vertical Evacuation – specifically to Japan and New Zealand.

International Efforts:

- New Zealand- 2016 Guidance: Tsunami Evacuation Zone
- Indonesia- 2014 Plan/Design for Tsunami Evacuation Structures
- Japan- Multiple Documents
- United States- ASCE 7-16 (Part of 2018 International Building Code)

Pacific Tsunami Warning System (PTWS):

- Developing Guidance for Best Practices

Discussion Regarding Designation of Existing Buildings for Vertical Evacuation

- What is the Process to Identify Building and Locations for Vertical Evacuation?
- Goal: Achieve Consistency in Recommendations for What People Should Do and Why

FEMA P646 Document: Tamra Biasco requested volunteers to review the FEMA P646 document.

Alert & Notification of Events update:

- Planning assumptions developed for notifications for States and partner
- Future planning of how to utilize more social media and partners to distribute information

Exercise Discussion:

Christa von Hillebrandt led the discussion

- Links with the Strategic Plan
- How to track participation through Shake Out or TsunamiZone.org
- Evaluation forms or Lessons Learned documents
 - NW California does annual survey (Redwood Coast Tsunami Work Group)
 - NTWC System test surveys
 - As part of CARIBE WAVE an online survey is completed by the corresponding (EM) national authorities of each county (66 questions)
- Planning for Exercises and how to prepare in advance
 - Future scenario exercises – recommendation that the handbook be available 2-3 months before exercise
- Where do you want the source in the Pacific?
 - Suggestions on lower CSZ for Pacific Event
- Oregon has developed a Tsunami Evacuation Drill Guidebook (http://www.oregongeology.org/tsuclearinghouse/resources/pdfs/OEM_Tsunami_Evacuation_Drill_Guidebook_FINAL_12-19-2017.pdf)
- Conduct a Survey Following Exercise to Determine Effectiveness, recommendation to prepare a survey template
- Recommendation to List Exercises and Related Information on the NTHMP Website for Reference
- Suggestion that Pacific West Coast Exercise (PACIFEX) for March 2020 be based on Southern Cascadia Event (Include Washington, California and NTWC)

TsunamiReady Tier 2 Discussion: Challenges with Recovery Planning element in the Tier 2 checklist with smaller communities.

Thursday July 25th, 2018

TsuCat Discussion:

- Wave Height Calculated for Various Fault Locales (Pre-Computed)

- Can Have Downloaded – Not Internet Dependent

Exercises:

- USGS Will Assist with ShakeMap Scenario for Tsunami Exercises
- MMS Will Assist with Realistic Scenarios

Grant Application:

- When Requesting Funding for Mapping – Be Specific Regarding Need for Continued Funding (I.e. – Changes to Technology or Capability, Physical Coastal Area, etc.)

Hazus:

- FEMA Has Contractors Available to Provide Training
- FEMA Will Develop Guidance as Soon as Tsunami Modules Established
- ARC GIS – Funded by NTHMP in Past (Allowable Activity) for MMS Modelers

Assembly Area Discussion:

- Social Science Project can Help Address
- Pedestrian Evacuation Guidance to Inform Discussion

NOAA Breakpoints:

- NTRC Coordination to Match with Wireless Emergency Alerts Polygons

TsunamiReady Tier II

- Should MES Revisit TsunamiReady Tier II Guidelines? (Specifically Recovery Element?)

MES Workshop Discussion:

- Identify Topic, Timeline, Timing
- Identify Outcome/Deliverables
- Suggestion that the Summer MES meeting of 2019 be mostly a workshop with a deep dive in a special topic
- Potential Topics:
 - TsunamiReady Tier II
 - Maritime
 - Social Science – Recommendations Based on Findings