

NTHMP SUBCOMMITTEE 2021 ANNUAL WORK PLAN

Subcommittee: _____ Mitigation & Education _____ Version date: _____ 1.20.2021 _____

Activity	Strategy(ies) addressed (#)	Action Step(s)/Milestones	Activity Lead and workers	Dependencies	Metrics – expected outcome and target date
MES – 2021 TsunamiZone.org	2.1.3 Conduct training and educational outreach events and campaigns	<ul style="list-style-type: none"> • Update/Provide/develop content • Develop outreach campaign • Register activities • Register individuals 	SCEC, CA, PR, USVI, WA, OR, AK, HI, CTWP, Guam,	NOAA Grant (CA)	Ongoing Increase state/territory web pages, PR and USVI pending Include unique yet consistently messaged content provided by NTHMP Partners Increase national and international registration annually Incorporate World Tsunami Day – Nov. 5 th Pages available for: OR, WA, AK, Guam, CA, HI, Caribbean.

<p>MES – 2021 Social Science Project</p>	<p>2.1.4: Conduct and incorporate social science evaluation of tsunami education outreach effectiveness</p>	<p>Evaluate evacuation products.</p> <ul style="list-style-type: none"> • Maps • Outreach brochures <p><input checked="" type="checkbox"/> Mike Lindell was the Social Scientist was contracted</p> <p><input checked="" type="checkbox"/> Conducted survey in three states/locations.</p> <p><input type="checkbox"/> Results discussed; report developed and outreach materials developed</p>	<p>Dixon (lead), Richards, Rizzo, LaDuke, Hahn</p>	<p>NOAA Grant (WA)</p> <p>MES Subcommittee-endorsed Allowable Grants activity #22</p>	<p>COMPLETED</p> <p>Presentations made and report shared. Todd will upload to a Google Drive and share all documents with MES. Also to be posted on NTHMP website.</p> <p>The goal was to compare evacuation products from the participating states/territories, showing them to different audiences in different locations, in order to learn what works best at: informing these audiences on risk and evacuation/preparedness actions; and motivating them to take appropriate actions.</p> <p>Additional work was done by M. Lindell for Oregon, outside of the NTHMP grant.</p> <p>Guam is considering including Social Science activity for 2021 grant cycle focusing on alert communication, focus on cultural sensibilities. PR has social science project under FY20 grant (alert</p>
--	---	---	--	---	---

<p>MES – 2021 Complete additional components of Maritime Guidance Document and Website</p>	<p>2.2.2 Increase TsunamiReady Communities 2.4.1 Engage stakeholders on preparedness and response 4.2.2 Improve community warning point reception capabilities</p>	<p>Develop National Guidance using MES/NTHMP partner Existing protocols Objectives included the following:</p> <ul style="list-style-type: none"> • Update mapping and modeling guidance. Include reference of criteria/guidance for analysis of modeled tsunami currents/velocities • Initiate development of preparedness, response, mitigation and recovery guidance • Incorporate special guidance for various customers, especially large ports, the cruise industry, U.S. Navy, and the U.S. Coast Guard. • Develop website (in progress) 	<p>LaDuke, Wilson, Richards, Waddell, Biasco, Dixon, Rizzo, Preller, Becker, Witcraft, Kong, von Hillebrandt</p>	<p>NOAA Grant (CA) Allowable grants activity #21: Evacuation Products/Tools Guidance</p> <ul style="list-style-type: none"> • MMS Input/Coordination required • Ongoing funding from FEMA to California helps leverage work on guidance for currents and mitigation/recovery (need to confirm funding still exists). 	<p>Ongoing</p> <p>NTHMP guidance document for consistent Response, Planning Situational Assessment Alert and Warning Risk and Disaster Resilience Assessment</p> <p>The document was used to update the website. Need to follow-up with the status of the document and if the website replaces the document.</p> <p>Web site using a google site was set up by California, https://sites.google.com/view/tsunami-maritime-guidance/home there is a form for feedback.</p> <p>For FY21 California is proposing to migrate into Story Map Format, would need to integrate comments from other partners.</p>
--	--	---	--	--	--

<p>MES – 2021 Tsunami Exercise Planning</p>	<p>Goal 2.3: Exercises effectively supported Exercises enhance the efficiency and effectiveness of tsunami disaster management when dealing with real events. Strategy 2.3.1: Conduct exercises that include tsunami scenarios</p>	<ul style="list-style-type: none"> • Establish Calendar for Pacifex and Lantex (NTWC), and CaribeWave and PACWAVE (PTWC/ITIC/CTWP) for next three years. • Establish desired scenarios for the above exercises • Discuss additional exercise development and planning considerations (virtual exercise) • Discuss inputs from MMS and add'l externally-provided inputs • Other EX (e.g. NLE, Cascadia Rising, 	<p>von Hillebrandt, Ohlendorf, LaDuke, Tappero Kong</p>	<p>PTWC and NTWC with stakeholders to decide on dates/scenarios for 2021, 2022 and 2023 exercises.</p>	<p>Scenario and dates selected for CARIBE WAVE 21, pending selection of scenario for LANTEX 21 and decision on PACIFEX 21 (plan is to use the 2020 scenarios) PTWC is responsible for supporting exercises in HI, PR/VI, Guam, Samoa, Marianas, CNMI TsunamiZone to include additional regions to track participation. Because of COVID, Guam and CNMI the 2021 exercise will be virtual For 2022 Cascadia Rising will take place in June, pending to see integration of tsunami scenarios</p> <p>Similar actions on WCS – need to define MES vs WCS actions.</p>
---	--	--	---	--	---

<p>MES – 2021 Mitigation and Recovery Group</p>	<p>Goal 3.1: Mitigation and recovery strategies initiated and incorporated into long-term community planning Strategy 3.1.1: Develop guidelines and model practices for mitigation and recovery for communities and critical infrastructure Strategy 3.1.2: Implement guidelines and model practices for mitigation and recovery</p>	<ul style="list-style-type: none"> • 	<p>Wilson, Dixon, Siok</p>	<p>None</p>	<p>DONE – Mitigation and Recovery Planning Work Group was established</p>
---	--	---	----------------------------	-------------	---

<p>MES 2021 “TsunamiReady Tier 2” communities development</p>	<p>Strategy 2.2.2: Increase number of recognized TsunamiReady Tier 2 Communities</p>	<ol style="list-style-type: none"> 1. Develop brochure describing BENEFITS of achieving “TR Tier 2” status - pending 2. Develop NTHMP Vertical Evacuation Guidance <ul style="list-style-type: none"> • Provide lessons learned from case studies of new construction implementation • Washington 3. Develop Guidance for communities use & mitigation regarding existing structures – pending - California 	<p>Becker, Dixon</p>	<p>NWS WFO</p>	<p>Manila and King Salmon, California TsunamiReady Tier 2 recognition (2019) No other partners working on Tier 2 Washington will be updating 2018 VES Guidance based on lessons learned. FEMA P646 is Available.</p> <p>Should action(s) be made for TsunamiReady Tier 1? To discuss with Ian Sears.</p>
---	--	---	----------------------	----------------	--

Inputs from January 2021 MES Meeting