

1. Chair Grant Cooper called the meeting to order at 3:01pm EDT.

2. Roll Call: (*voting members in italics*)

Alaska

No representatives

American Samoa

Ms. Elinor Lutu-McMoore¹, NWS Weather Service Office, Pago Pago, American Samoa

California

Ms. Yvette LaDuke³, California Office of Emergency Services, Valencia, CA

Mr. Rick Wilson, California Geological Survey, Sacramento, CA

Commonwealth of Northern Mariana Islands

Mr. Chip Guard¹, NWS Forecast Office, Guam (dual representation with Guam)

East Coast States

Mr. Ed Fratto, Northeast States Earthquake Consortium, Wakefield, MA

Dr. Jim Kirby, University of Delaware, Newark, DE

Guam

Mr. Leo Espia, Guam Homeland Security, Guam

Mr. Chip Guard¹, NWS Forecast Office, Guam (dual representation with CNMI)

Gulf Coast States

No representatives

Hawaii

Dr. Kwok Fai Cheung, University of Hawaii, Honolulu, HI

Mr. Kevin Richards, Hawaii Emergency Management Agency, Honolulu, HI

Oregon

Dr. Jon Allan, Oregon Dept. of Minerals and Geology, Newport, OR

Dr. Althea Rizzo, Oregon Emergency Management, Salem, OR

Puerto Rico

Dr. Victor Huerfano, Univ. of Puerto Rico at Mayagüez, Mayagüez, PR

Mr. Carlos Irigoyen, Puerto Rico Emergency Management, San Juan, PR

U.S. Virgin Islands

Ms. Tenisha Riddick², Virgin Islands Territorial Emergency Mgmt Agency, St. Croix, VI

Mr. Roy Watlington, Professor Emeritus, St. Thomas, VI

Washington

Mr. Maximilian Dixon, Washington Emergency Mgmt Division, Camp Murray, WA

Mr. Daniel Eungard, Washington Dept. of Natural Resources, Olympia, WA

NOAA

Mr. Mike Angove⁵, Tsunami Program, NOAA/NWS Headquarters, Silver Spring, MD

Dr. Diego Arcas, NOAA Center for Tsunami Research, Seattle, WA

Dr. Grant Cooper, NWS Western Region Director, Salt Lake City, UT

Ms. Marie Eblé⁴, NOAA Pacific Marine Environmental Lab, Seattle, WA

Dr. Laura Kong⁴, NOAA/NWS Int'l Tsunami Information Center, Honolulu, HI

Mr. Lewis Kozlosky⁴, Tsunami Program, NOAA/NWS Headquarters, Silver Spring, MD

Dr. Rocky Lopes⁵, NOAA/National Weather Service HQ, Silver Spring, MD

Dr. Chip McCreery⁴, NOAA/NWS Pacific Tsunami Warning Center, Honolulu, HI

Ms. Christa von Hillebrandt, NOAA/NWS Caribbean Tsunami Warning Pgm, Mayagüez, PR

FEMA

Ms. Tamra Biasco, FEMA Region X, Lynnwood, WA

Mr. Mike Mahoney, FEMA Headquarters, Washington, DC

USGS

Ms. Stephanie Ross, U.S. Geological Survey, Menlo Park, CA

Dr. Nate Wood, U.S. Geological Survey, Portland, OR

30 present, 8 state votes (min 6); 7 Fed votes (min 4). **Quorum met.**

¹ Coord. Comm member, NOAA employee, non-voting

² Guest, one-time, non-voting

³ Official Alternate for primary CC member

⁴ Regular guest, non-voting status

⁵ Ex-officio, non-voting member

3. Chair's remarks and announcements

Dr. Cooper recognized an honor bestowed upon Chip Guard by NOAA with a distinguish service award. He congratulated Chip and thanked him for his services to the NTHMP and NOAA.

Mike Angove added that Chip has put in many years of service to Guam and Micronesia in various roles in the Navy and after that career, 15 more years in NOAA. Chip has a lifetime of dedication and commitment to the world.

Mike Angove: Christa Rabenold has taken another position with the NOAA Office of Ocean Exploration in the National Ocean Service. The fiscal realities for the National Weather Service are that we will not backfill that position. We will work out how to leverage the resources we have to fulfill the mission.

4. Approval of past minutes

- a. Minutes of Coordinating Committee meeting of February 1, 2019.

<https://nws.weather.gov/nthmp/documents/NTHMPCC20190201Minutes.pdf>

- b. Minutes of Coordinating Committee meeting of March 12, 2019.

<https://nws.weather.gov/nthmp/documents/NTHMPCC20190312Minutes.pdf>

Chair Cooper called for approval of both sets of minutes. No corrections to the minutes were offered, so by unanimous consent, both sets of minutes were approved.

5. Results of endorsement vote: *NTHMP Tsunami Information Guide*

The *NTHMP Tsunami Information Guide* was brought before the Coordinating Committee for approval at its March 12 meeting, but due to lack of quorum, a vote to approve could not be taken.

The Chair authorized the NTHMP Administrator to conduct a vote by email. Results were 8/11 state/territory partners voted, all to approve. 5/7 Federal agency partners voted; all approve. Endorsement approved. Document posted on NTHMP website and announced via email, newsletters, and other methods.

<https://nws.weather.gov/nthmp/guide/index.html>

6. NTHMP Coordinating Committee membership vacancies

Dr. Cooper mentioned that there are two vacancies on the NTHMP Coordinating Committee for the emergency management representatives for CNMI and USVI.

Rocky Lopes has provided information to officials for these territories, respectively, and is awaiting notification of official appointments. Because Chip Guard, the Science Member for CNMI, is a NOAA employee, he may not vote. Thus, quorum for state and territory representatives is defined as 6/11 until the appointment of an emergency management representative for CNMI is made.

Roy Watlington is the Science Member for USVI, and carries the USVI vote until the emergency management representative for USVI is made.

7. NTHMP Subcommittee and Projects Updates

a. Status of Annual Work Plan progress for Mitigation & Education Subcommittee

Tamra Biasco reported that the MES had conference call in April to discuss projects. The MES is moving forward on developing an annual work plan. (Rocky Lopes pointed out that it has not been provided for posting to the NTHMP website.) If there are any agenda items for the MES meeting this summer, please send them to the MES Co-Chairs by May 31. Next MES meeting is June 11 at 3:00pm EDT.

b. Status of Annual Work Plan progress for Mapping & Modeling Subcommittee

Jon Allan reported that the MMS met an hour before the Coordinating Committee (today).

There were five agenda topics for discussion, four of which are related to the MMS annual work plan:

i. DEM development – MMS received input from several areas interested in DEM development in CY19. In consultation with NCEI, the list was narrowed to two communities in Alaska, the Washington open coast, and one county in northern Oregon.

ii. Powell Center Workshop – Reviewed recent outcomes from the East Coast/Gulf States/Caribbean workshop. Focus was on 3 types of sources: Subduction, non-subduction and landslide sources. Excellent discussion overall, particularly with the landslide portion.

iii. Sediment transport workshop – General discussion on the need for guidance on this effort. Discussed establishing a work group to begin brainstorming an overall approach to guide this topic. Will explore the topic in greater detail at the annual meeting in August.

iv. Gap analysis discussion – see below.

c. Scheduling of Warning Coordination Subcommittee meeting

Next mtg scheduled for Thursday 5/23 at 3pm EDT.

d. Update on Powell Center Tsunami Sources project

Stephanie Ross provided an update on Powell Center workshops. The recent one-week meeting (May 6-10) was our third, and it was the second with a regional focus. The first regionally-focused meeting was on Alaska (October 1-5, 2018). The recent one was on tsunami sources that impact the US East Coast, Gulf Coast and Caribbean.

As Jon said, we discussed tsunamigenic subduction zone earthquake sources (Puerto Rico Trench), non-subduction zone earthquake sources (Mona Passage and Anegada Passage), Muertos Trough (whether it's traditional subduction zone or accretionary wedge structure) and landslide sources. We made good progress on all of them, and especially on landslide sources.

Our next workshop will be on Pacific sources that are not Alaska and not Cascadia. We're working now on determining which sources we'll need to focus on at that fourth workshop. The source list will help determine which experts we need to invite. We expect that workshop to be this autumn.

Jon Allan: There was talk of a separate Cascadia workshop; when would that happen?

Stephanie Ross: there's a separate Powell Center group working on Cascadia recurrence. We've asked them to let us know when the time would be right, in terms of their progress, for us to hold a Cascadia workshop. (We don't want what we do to be out of date because they weren't finished). They know we'd like to get a time estimate soon. Their Powell Center group started a year after ours, so it could be a year or more away.

e. Update on NTHMP Gap Analysis Work Group

NTHMP Gap Analysis Work Group. Have met twice to date. Established the overall goals of the work group during the initial meeting. Recognized the need for two levels of information. A "high level" group of parameters that will be of broad use among all NTHMP partners, and for translating information to NOAA as needed. A second group of supplemental parameters was also identified. This latter group is expected to contain much more detailed information addressing individual NTHMP member needs. A second meeting, held yesterday, reviewed a matrix summarized by Jon Allan of the identified high priority parameters in order to find commonality among the work group members. Initial discussion of the various 'gaps' were discussed, including making a start towards the content that could be used to populate the gap spreadsheet. The expectation is for another follow-up meeting to finalize the gap spreadsheet.

8. Program Review

Desire to have each grant recipient provide an overview of accomplishments and what will be requested in grant funds in FY20 round (if available) conducted at NTHMP winter meeting. (Discussion: goals; time required; expected outcomes; logistics).

Grant Cooper: We would like to have a full Program Review conducted in person when we meet at the Winter Meeting. It is very important for me as Chair and NWS Tsunami Program to do this Program Review. We find that the insights and information provided really helps us support the NTHMP in discussions that we have with NOAA leadership. A Program Review entails two things: brief perspective on what you have done, and a description on what you plan to request in the next grant round provided Congress directs the appropriation of funding. We realize that a program review would take away time from in-person subcommittee meetings.

Jon Allan: would this be one to 1-½ days?

Grant Cooper: Maybe two days. Rocky has a better sense of it.

Rocky Lopes: when we couldn't conduct grantees meeting in San Diego due to the effects of the Government Shutdown and recast these presentations by conference calls, we had 12 hours of telephone calls all totaled. Some partners needed two-hour phone calls. 12 hours is

the minimum just to have you tell us what you were proposing (not including retrospective or future proposals).

Kevin Richards: we need to be creative. If you have a template, that would shorten and provide focus. A quad chart might help, as well as a time limit.

Mike Angove: the audience is Grant Cooper, myself, and the members of the Federal Grant Review Panel.

Rick Wilson: would handing you a brief summary help?

Grant Cooper: yes, the more information we have up front, the better.

Mike Angove: yes. More background is better, but we also want to talk to you.

Rocky Lopes: some partners wanted to hear what other partners were proposing. When it was on the phone, other partners didn't get to hear that.

Rick Wilson: if we gave you a handout, that could go into the annual report as input from the states and territories. Two birds with one stone.

Rocky Lopes: that would be ideal, but we haven't achieved 100% delivery with information for the annual report at that time of year. If this program review focuses need for this, it might help get over slow delivery of that content.

Mike Angove: fantastic idea. Also make it available to everyone else in advance – that way everyone could see what's being proposed. Then we wouldn't need to have everyone participate in every individual state/territory discussion.

Grant Cooper: proposals need to align with the *2018-2023 NTHMP Strategic Plan* and NTHMP priorities.

Rocky Lopes: I'm taking from this conversation that having this program review during the winter meeting is something we should do, and we should provide partners a reporting template and instructions. The NTHMP Winter Meeting is planned to be held in Portland, Oregon. I will confirm the dates with Jon Allan.

9. NTHMP Updates

a. *2018 NTHMP Annual Report* – current status

Rocky Lopes reported that we have pretty much everything that we are going to get for the *2018 NTHMP Annual Report*. We were promised, but didn't receive, a one-pager from CNMI. We were not planning on receiving anything from the USVI or the Warning Coordination Subcommittee. If okay with the Coordinating Committee, I will move toward publishing the report with inputs received.

Rick Wilson: okay (No other comments from anyone else.)

b. Annual Meeting update -- August 19 – 23, 2019, Salt Lake City

Rocky Lopes thanked everyone for making room reservations at the Marriott City Center hotel in Salt Lake City. The room block is almost filled and will be released by June 19, or sooner if all rooms in the block are taken.

Rocky Lopes also announced that NOAA Group Travel was approved, and those affected will have information sent to them shortly so they can make travel arrangements.

10. NOAA/NWS Grants

a. FY19 grant application process status.

Rocky Lopes stated that the *Request for Applications* announcement was sent via email on May 16. He thanked Lewis Kozlosky for a lot of behind-the-scenes work to make that happen. Grant applications are due by May 31, 2019, via grants.gov.

Jon Allan: when you access the site, there is an option to download pdfs, what downloads?

Rocky Lopes described that the usual forms (SF424, SF424A, anti-lobbying, non-debarment, etc.) are in the package. Additional forms you already have – Project Narrative, Budget Spreadsheet(s), Budget Explanation – are also to be appended to the application.

Also note that a template regarding the *NOAA Data Management Plan* was attached to the May 16 email that Rocky sent. That template was approved by NOAA Grants Management.

Rocky reminded everyone that before you submit the final application, please make sure that the numbers in your Excel Budget match the numbers in your narratives and match the number in the SF 424 forms. Some were off by thousands of dollars last year; those were held up for final award.

b. Clarification of NWS Tsunami Program Office technical support vs. NOAA Grants Management administrative support.

Rocky Lopes described that the role of the staff in the Tsunami Program Office (Rocky and Lewis) is as subject matter experts on tsunami and the NTHMP. Questions related to grants administration, forms, etc., need to be sent to the NOAA Grants Management Division Grants Specialist.

Mike Angove stated that Lewis and Rocky have been working on these grants for many years; however, we need to be deferential to understanding the different roles for SMEs and Grants Management.

Rocky Lopes concluded that if you have questions that are deemed appropriate for the NOAA Grants Specialist that you may send to the NWS Tsunami Program Office, you may expect that those questions will be forwarded on your behalf to NOAA Grants Management.

- c. No-cost extension requests for FY18 grants.

Rocky Lopes emphasized that **all grants expire on 8/31/2019**. If you have a grant that is eligible for a one-year no-cost extension, please submit that extension request (and rebudgeting proposal, if necessary) as soon as possible.

Instructions are here:

<https://nws.weather.gov/nthmp/grants/ReprogrammingInstructions.pdf>

A minimum of 45 days before grant expiration (that is, no later than July 15, 2019) is required to submit a no-cost extension request, but preferably more time. Remember, the NOAA Grants Specialist will be reviewing new grant applications as well as any no-cost extensions. Her work load is not only tsunami grants. So please consider submitting extension requests soon.

11.Old Business

There was no old business.

12.New Business

- a. MES Mitigation & Recovery Work Group

Rick Wilson reported that there was a meeting of the MES Mitigation and Recovery Work Group with these highlights:

- This Work Group met last week to discuss a strategy for advancing the topic and improving NTHMP guidance.
- Kevin Miller and Rick Wilson provided an overview of the existing NTHMP guidance document and examples of maritime mitigation and recovery in California.
- The group discussed the various customers/stakeholders who would benefit from this work and should be included in the discussion.
- Another main topic of discussion was developing information for including in Local Hazard Mitigation Plans at two levels: 1) simple/generic/inexpensive guidance; and 2) harbor-specific guidance.
- Other key topics discussed included: 1) developing generic PPT presentations with consideration of color-blind audiences; 2) developing guidance for communities seeking hazard mitigation funds; 3) focusing attention on the cruise ship industry; and 4) issues working with the US Coast Guard who change leadership positions regularly.
- The Work Group requests from NTHMP members information about any examples of maritime mitigation/recovery that can be shared from state/territory level.

Carlos Irigoyen: I would like to have the presentation. Can we translate it into Spanish?

Rick Wilson: yes, we would like to see that.

Christa VonHillebrandt: when asking for examples of mitigation, is it only about tsunamis or could hurricanes be included?

Rick Wilson: hurricane issue is most pressing for the islands, so sure, if there are mitigation and recovery strategies for hurricanes, please send them.

Kevin Richards: harbor recovery is challenging. We will share what we have for Hawaii.

Mike Mahoney: we did reports for harbor recovery from an earthquake and can provide.

b. CaribeWave 2020 Exercise:

Christa von Hillebrandt stated that the next Caribe Wave exercise is scheduled for March 19, 2020, based on two tsunami scenarios – one from Portugal (distant) and another from Jamaica (near).

13. Adjourn

There was no more new business. The meeting was adjourned by the Chair at 3:58pm EDT.

Next meeting will be on Tuesday, July 16, 2019, at 3:00pm EDT.

Respectfully submitted,

Rocky Lopes
NTHMP Administrator