Meeting notes from the NTHMP Coordinating Committee and Sub-Committees provided separately.

List of Attendees provided separately.

**Opening Remarks, Vickie Nadolski, Chair**

Vickie Nadolski welcomed the meeting attendees and provided a brief overview of the program’s purpose. She also highlighted the accomplishments (reference handout – separate document – “NTHMP 2009/10 Accomplishments”) of the NTHMP over the past year:

* Implementing many of the recommendations from the most recent GAO report.
* NAS study produced 44 new recommendations for NOAA’s Tsunami Program. Will be a challenge to implement all of these. The 14 NTHMP-related recommendations will be discussed during the Coordinating Committee on Thursday.
* The Warning Coordination Sub-Committee continues to implement national and international tsunami exercises, testing of the EAS with real-event codes, and multiple TWC product improvements.
* The Mapping and Modeling Sub-Committee continues to coordinate and produce inundation modeling and mapping tools.
* The Mitigation and Education Sub-Committee completed National Media Guide and conduct lots of preparedness outreach across the country.
* NOAA Science on the Sphere presentation was developed with support of many NTHMP members.

**Briefings**

Briefings are located on the NTHMP Website at <http://nthmp.tsunami.gov/2011annualmeeting/index.html>

**Washington – John Schelling**

John Schelling presented the accomplishments the State of Washington has achieved with the FY09 and FY10 NTHMP Grant Funding. He highlighted:

* The efforts of the Washington State Local Tsunami Workgroup.
* The creation of an updated “Media Guide for Natural Hazards in Washington,” training of (37) lodging establishments along the Washington Coast, and the additional inundation modeling that has been completed along the coast.
* Publication of the TsuInfo Alert newsletter.
* Train-the-Trainer Education Instructor Program – 25 workshops, 500+ individuals trained.
* New in-line Tsunami Evacuation Mapping Tool implemented.
* Project Safe Haven – large communities with no high ground and evacuation will not be timely for local tsunami event (e.g., Cascadia) – what can you do? Vertical evacuation - working with the communities to come up with solutions (e.g., berms created using the existing built environment).
* Conducted a Tsunami Communications Test - activated AHAB sirens and plenty of outreach.

John also provided an overview of Washington’s FY11 Budget and Project Plan.

**Hawaii – Kevin Richards**

Kevin Richards presented:

* The accomplishments the State of Hawaii has achieved with the FY09 and FY10 NTHMP Grant Funding.
* The Chilean tsunami event response and their very successful After Action Reviews were major accomplishments for Hawaii. Hawaii Civil Defense fulfilled numerous requests for more tsunami outreach and education materials after this event.
* Numerous tsunami workshops and school visits were conducted.
* Inundation modeling was completed for Oahu and the Big Island (Maui will be completed soon).
* New mapping/evacuation tools were developed for the web. Historically, tsunami evacuation maps are published in the phone books in Hawaii - these have been updated.
* Hawaii has also begun implementing the “Map Your Neighborhood” program.

Kevin also provided an overview of Hawaii’s FY11 Budget and Project Plan.

**Puerto Rico – Walter Diaz/Wildaomaris Gonzalez**

Walter and Wildaomaris presented the accomplishments the Commonwealth of Puerto Rico has achieved with the FY09 and FY10 NTHMP Grant Funding:

* Conducted 300+ tsunami outreach activities with 18000+ participants
* Recognized 11 new TsunamiReady municipalities
* Developed new bilingual educational materials including a draft Tsunami Media Kit.
* Tsunami inundation mapping was completed for five communities.
* Working to have a new requirement for schools must conduct one evacuation drill per quarter and to create a new school curriculum with tsunamis (worked with text book companies).
* Conducted a “TsunamiReady Summit” workshop for local EMs throughout the Caribbean to learn about program implementation.
* Seven municipalities have installed AHAB siren systems that are being used in community evacuation drills.
* Completed a tsunami preparedness survey of 1200 residents around the island.

Walter and Wildaomaris also provided an overview of Puerto Rico’s FY11 Budget and Project Plan.

**California – Jim Goltz and Rick Wilson**

Jim Goltz and Rick Wilson presented the accomplishments the State of California has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlights included:

* Re-publication of “Living on Shaky Ground: How to Survive Earthquakes and Tsunamis in Northern California”
* Tsunami education kiosks for coastal State Parks
* 2nd generation tsunami inundation maps completed for entire state, marine off-shore safe zone mapping initiated
* EAS real-event code testing in northern California
* Participated in over a dozen county workshops and exercises statewide
* Developed and implemented Guidance for Evacuation Planning from Local Events (post-earthquake)
* California Tsunami Steering Committee continued to meet and provide oversight.
* California is working with the State Parks Department to 122 coastal parks in becoming TsunamiReady.

Rick covered evaluation of and lessons learned from Chilean tsunami event.

Jim and Rick also provided an overview of California’s FY11 Budget and Project Plan.

**Oregon – Rob Witter and Althea Turner**

Rob Witter and Althea Turner presented the accomplishments the State of Oregon has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlights included:

* Continued inundation modeling and mapping of the Oregon coast
* Publication of “Living on Shaky Ground: How to Survive Earthquakes and Tsunamis in Oregon
* Launched Oregon Tsunami Information Clearinghouse – wwwOregonTsunami.org
* 15 coastal communities are working to implement TsunamiReady through very successful Outreach Coordinator positions
* Conducting tsunami evacuation drills
* Creation of the “TsuTube” web site
* Implementing the “Map Your Neighborhood” program.

Rob and Althea also provided an overview of Oregon’s FY11 Budget and Project Plan.

**Alaska – Erv Petty and Roger Hansen**

Erv Petty presented the accomplishments the State of Alaska has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlights included:

* “Quake Cabin” education tool (simulates an earthquake)
* Purchasing and distribution of NOAA Weather Radios to remote communities with transmitter coverage
* Purchasing and distribution of tsunami evacuation route signage, procurement and installation of 10 warning sirens
* Statewide real-event code EAS testing during “Tsunami Awareness Week,”
* Community tsunami workshops
* Alaska Shield 10 earthquake and tsunami exercise.
* Communication, coordination and equipment installation with remote Alaska coastal communities remains a challenge.

Erv also provided an overview of Alaska’s FY11 Budget and Project Plan.

**CNMI – Joaquin Omar**

Joaquin Omar presented the accomplishments the CNMI has achieved with the FY09 and FY10 NTHMP Grant Funding:

* Saipan, Tinian and Rota all were recognized as TsunamiReady.
* In December 2010, a Tsunami Awareness Workshop was conducted in CNMI.
* Issues include challenges with professional expertise for inundation modeling and mapping, and CNMI budget cuts have caused tsunami program staffing issues.
* PRiMO and PMEL are looking into solutions to help CNMI with their inundation mapping issues.
* CNMI must redo their FY11 project plan and will work with NOAA on that goal.

**Guam – Edeine Camacho**

Edeine Camacho presented the accomplishments Guam has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlight included:

* Development of outreach and education materials
* Procurement and installation of tsunami evacuation route signage, vehicle mounted warning sirens for local community officials, and inundation modeling and mapping.
* Issues include lack of tsunami preparedness working group in Guam, Civil Defense agency reorganization with a change in gubnatorial administration, and the all-hazards siren system installation is now back on track (litigation).

Edeine also provided an overview of Guam’s FY11 Budget and Project Plan.

**ITIC – Laura Kong**

Laura Kong presented the accomplishments NOAA’s ITIC has achieved with FY09 and FY10. Highlights included:

* TsunamiTeacher USA progress
* Conducting outreach and workshops on AS, Guam and CNMI
* Conducted training workshops on the East Coast in conjunction with the LANTEX 10 exercise
* Reprinting of tsunami outreach and education materials
* Completion of the NDTPC FEMA Certified “Tsunami Awareness” Course (AWR-217).

Laura also provided an overview of ITIC’s FY11 Budget and Project Plan.

**Mapping and Modeling Sub-Committee Briefing**

**Rob Witter (State of Oregon) and Sue McLean (NOAA), Co-Chairs**

Sue McLean and Rob Witter provided a brief-out on the Mapping and Modeling Sub-Committee (MMS):

* Overview of the Terms of Reference and a status on the MMS Action Items and Strategic Measures.
* Inundation Map Guidelines developed by the MMS need to be approved by the CC.
* The MMS have also developed guidelines for non-mapped areas that will be submitted to the CC for approval. Tsunami Model
* The MSS will hold a Tsunami Model Benchmarking Workshop in Galveston, TX on March 30-April 1.
* The MMS has nominated Rick Wilson and Bill Knight serve as co-chairs in 2011.

**Gulf of Mexico – Juan Horillio**

Juan Horillio presented the accomplishments the Gulf of Mexico states have achieved with the FY09 and FY10 NTHMP Grant Funding:

* Tsunamigenic landslides were modeled based on the historic record and bathymetry data.
* Inundation maps were generated to show the tsunami threat to various portions of the Gulf of Mexico coast.

Juan also provided an overview of the Gulf of Mexico’s FY11 Budget and Project Plan.

**Maine – Elizabeth Barton and Stephen Dickson**

Elizabeth Barton and Stephen Dickson presented the accomplishments the State of Maine has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlights included:

* Tsunami hazard assessment
* Creation of tsunami annexes in county and state emergency response plans and exercising of those plans
* Procurement and installation of tsunami evacuation route signage.

Stephen and Elizabeth also provided an overview of Maine’s FY11 Budget and Project Plan.

**Maryland – Rainer Dombrowsky**

Rainer Dombrowsky presented the accomplishments the State of Maine has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlights included:

* Ocean City, MD nearly complete with their TsunamiReady implementation
* Held workshops for EMs along the East Coast
* Participation in the Lantex 10 exercise.
* Some issues were identified such staff turnover, confusion on grant funding process, budget cuts, and the fact that the tsunami hazard is an extremely low risk for the East Coast.

Ranier also provided an overview of Maryland’s FY11 Budget and Project Plan.

**Delaware – Dr. Stephan Grilli**

Dr. Grilli presented the accomplishments the State of Delaware has achieved with their FY10 NTHMP Grant Funding:

* Dr. Grilli’s team has completed a literature review for historical tsunami accounts.
* Next they will utilize these and other tsunami sources to model tsunami inundation for the East Coast.
* Meshing of DEMs to create the model grids is being worked on. Initial results were shared.

Dr. Grilli also provided an overview of Delaware’s FY11 Budget and Project Plan.

**American Samoa – John Goeke (on behalf of Mike Sala and Vinnie Atafu)**

John Goeke presented updated information on the recovery efforts since the tsunami event of 2009.

* Due to a lack of flat land, residents are moving back into the coastal floodplain.
* They feel better prepared and are implementing mitigation methods where possible.
* There also remain some challenges with the posting of evacuation route signage and inundation modeling and mapping.

John shared the accomplishments American Samoa has achieved with the FY09 and FY10 NTHMP Grant Funding. Highlights included:

* The completion of several evacuation trails
* Creation of education and outreach materials
* Numerous preparedness workshops
* Inundation zone mapping.

John requested that anyone coming to AS to work in the villages to please first contact and coordinate with ASDHS.

John also provided an overview of American Samoa’s FY11 Budget and Project Plan.

**Mitigation and Education Sub-Committee Briefing**

**Tamra Biasco (FEMA), John Schelling (State of Washington) and Jenifer Rhoades (NOAA), Co-Chairs**

Jenifer Rhoades provided a brief-out on the MES. This included:

* An overview of the Terms of Reference
* Status of the 2010 MES Action Items
* The MES Action Item Plan for 2011.

Jen also provided an overview of the MES 2011 Funding Request.

**FY10 NTHMP Grant Process and Budget**

**Jenifer Rhoades (NOAA)**

Jenifer Rhoadespresented the accomplishments NOAA has achieved with the FY10 NTHMP Funding, and an overview of NOAA’s FY11 Budget and Project Plan.

**FY11 NTHMP Grant Process and Budget**

**Jenifer Rhoades (NOAA)**

Jenifer Rhoades provided an overview of the FY11 NTHMP Grant Process and Budget. The following is an overview:

Grant Process for New Funding Proposals (not FY09/10 Multi-year awards)

* Initial 2-year FY11 proposals are being reviewed by the NTHMP CC
* Formal Submittal of Grant Proposals due to Grants.gov by March 15, 2011
  + Guidance on Grants.gov application process will be distributed to NTHMP members (February 15, 2011)
* Proposals will be reviewed by an external review panel
* Expect award by July 31, 2011

Grant Process for Continuing Awards (Multi-year Grants awarded in FY09 and FY10)

* No action needed to submit proposals through Grants.gov
* External Review Panel will review progress as reported in the Sub-Committee Review of the latest FY08, FY09, and FY10 Semi-Annual Progress Report submissions.
* Follow-on award for FY11 will be based on funding recommendation from External Review Panel
* Recipients will be notified of award once External Review is complete.

All Grant Awardees

* Routine Financial Reporting (Due to Grants On-Line)
* Provide Semi-Annual progress reports to the NTHMP Administrator through Grants On-Line
* Provide Annual Report of accomplishments to the NTHMP-CC at the next Annual NTHMP Meeting.

**Warning Coordination Sub-Committee Briefing**

**Paul Whitmore (NOAA), Jim Goltz (State of California) and Charles McCreery (NOAA) - Co-Chairs**

Paul Whitmore, Jim Goltz and Charles McCreery provided a quick brief-out on the Warning Coordination Sub-Committee (WCS). This included an overview of new action items for FY11.

**Adjournment**

Vickie Nadolski adjourned the Annual NTHMP Meeting.