



Resilient Neighbors Network

Minutes of RNN Community Meeting of
Friday, *July 26, 2019*, 11:00 am ET

Resilient Neighbors Network (RNN) is a network of professionals representing communities actively working toward adaptation and resilience from natural hazards.

RNN Mission

To increase resilience in existing and developing communities at the grass roots level by documenting and actively sharing best practices, through education, peer to peer collaboration and mentoring.

RNN Vision

RNN will be a source for a compilation of community driven hazard resilience best practices that can serve as a resource to people & communities before, during and after a disaster. RNN will also actively bring ground truth and grassroots enlightenment to policy makers, researchers, regulators, and journalists.

AGENDA FOR UPCOMING MEETING OF August 23, 2019:

1. Roll call
2. Approval of Minutes (July 2019)
3. Status of ABA Resilience Book (Ed Thomas)
4. **Comments/Issues/RNN Community Sharing/Good News**
5. Status of Practical Community Resilience Project in South Carolina & Silver Jackets link (Ed Hecker)
New NHMA Board Member Ed Hecker to talk about RNN Linkage to Silver Jackets
6. Review of Action Items
7. RNN Future Activities
8. Discussion of Best Practices Documentation-New Best Practice on mitigation-based recovery with no Presidential Declaration: Joe Rossi and Coastal Coalition [Material sent separately] and Traci Sears from Montana
9. Next Steps for RNN-DRR Curriculum Future Meeting? Discussion of CTP Grant
 - a. New Grant requires NHMA and RNN to participate with and recommend other possible interested agencies for an advisory committee meeting in Washington D.C. – [Detail by John Wiener circulated with Minutes.] Possible other locations/dates
 - b. NHMA DRR Curriculum & Workshop Status:
 - i. Examining how to further improve fit of the RNN Curriculum to the needs of External Stakeholders; coupling better with existing courses: including FEMA, EPA, NOAA, NACo, NGO & private market courses?
 - ii. RNN Volunteers for the development of the Disaster Risk Reduction Curriculum;
 - iii. How to take advantage of the latest update from the Multi-Hazard Mitigation Council on the cost/benefit of Hazard Mitigation.

- c. Natural Hazard Conference
 - 10. CTP Collaboration Monthly Call for Topics
 - 11. Comments from Vincent Brown of FEMA on the many things happening at FEMA
 - 12. Status of Island Press Interest, Articles for NHMA Newsletter and/or ABA
 - 13. Adjourn
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Minutes for Meeting of Friday, July 26, 2019

11:00 am ET - CALL TO ORDER, INTRODUCTIONS AND ROLL CALL:

1) ROLL CALL:

Present:

Ned Swanberg (Vermont)
Tim Trautman (Charlotte-Mecklenburg)
Brad Dean (FEMA)
Donna Boyce (NHMA Board)
Ed Hecker (NHMA Board)
Jim Murphy (NHMA Board)
Erin Capps (NHMA Board)

Brief introductions were given:

Tim Trautman runs the Stormwater Program at Charlotte-Mecklenburg; they do floodplain management work.

Ned Swanberg is with the State of Vermont and does environmental conservation and is the Regional Flood Plain Manager.

Ed Hecker just recently joined the NHMA Board after retiring from the Corps of Engineers in February. He is starting to engage with NHMA and has a few things to talk about this morning; he is discovering life post-federal government and was formerly Director of Contingency Operations for the Corps and Senior Policy Advisor.

Donna Boyce is a member of NHMA's Board, has worked in government and government consulting; she assisted with recovery in New York after Superstorm Sandy. She is also a NIST Community Resilience Fellow and serves on the American Bar Association's Standing Committee for Disaster Response.

Jim Murphy is also on the NHMA Board of Directors and has been working in natural hazard recovery and mitigation since 1978. He just got back from the National Hazards Conference where some interesting discussions took place which are very important to the nation and what we're doing with natural hazards.

Brad Dean is with FEMA, is a Communication and Partnership Specialist in the Risk Management Directorate. Prior to joining FEMA, he was with the NOAA Office for Coastal Management in the Geospatial program as well as their Policy and Communications Division.

2) APPROVAL OF MINUTES: (May and June 2019)

A **Motion** was made by Tim Trautman to approve the Minutes for May and June 2019. The Motion was **seconded** by Ned Swanberg. There being no objection, The minutes were approved.

3) Status of ABA Resilience Book (Ed Thomas)

Ed Thomas not being present, **Ed Hecker** reported on progress of the ABA Book. He was not sure if everyone on the RNN call had seen the latest Table of Contents for that book. Everyone who has responsibility for one of the chapters is working towards an early August initial draft. At that point a lot of information will go into the chapters that will have to be cross walked across the initial draft. Ed Hecker is working on Chapter 15 on *Decision Making for Short and Long-Term Solutions*. He has drawn on quite a bit of information from the RNN Community that is posted on the NHMA website, and may be going back to folks like Tim Trautman and Ned Swanberg over the course of the next month to make sure he is translating some of the work that the RNN Community has done with regard to information decision making and pursuing solutions and outcomes at the community level correctly. The wealth of material will be of great use to the RNN Community, as the focus of the book is on resilience at the community level and is a logical connection for what the RNN Communities are trying to accomplish.

Ed Hecker is working with Ed Thomas, as well as Professor David Vaughn at Clemson University who we partnered with for the Community Resilience Pilot in Lawrence County, SC, along with Alessandra Jerolleman and others for the writing of his chapter. There are a lot of folks involved in the project. Jim Murphy is pitching in with some material as well. One of the challenges of writing the chapter is that the audience for the book is not only members of the legal profession, but also decision makers, government and community officials, etc.; it is the collaboration and convergence of risk management at the local level that they are trying to address.

4) Comments/Issues/RNN Community Sharing/Good News

Ned Swanberg reported that there is nothing particularly happening right now in Vermont; some internal organizational changes are happening and will take a little time to figure out, but no major flooding-related inundations at the moment.

Tim Trautman reported that Charlotte-Mecklenburg has been very busy the last month and a half. The North Carolina Catawba River Basin had about 13 inches of rain that fell over two days and made its way down the Catawba River to the west side of their county. Out of 100 houses impacted, 40 had flooding in their living space. This was probably the largest flood in that section of the river since the 1950's. It created all sorts of challenges and a lot of homes will probably be substantially damaged. As a result, they are working through some buyouts and have asked their County Commissioners to appropriate \$3.5 million from their rainy-day stormwater fund toward some combination of a few buyouts along with house elevations. Tim Trautman is currently working on bringing in some national experts over the next couple of weeks to put on a workshop for affected homeowners on house elevations. There's not a huge market for these in Charlotte so they don't have a massive elevation contracting market to draw on. Some people are at a loss about where to even start and have been out of their house now for six or seven weeks. It is hoped that planning a Saturday morning workshop to try to walk them through the process will help them move forward. Tim shared that though it doesn't sound like a big number, 100 houses and displaced families has been a massive time drain on their staff of about a dozen people over the last six weeks.

The Rainy-Day Fund was established in Charlotte-Mecklenburg about 15 years ago and is one of the tools in their mitigation toolbox. The current flood event is a state-declared disaster but not a federally declared disaster. There has never been a federally declared flood disaster in their area. They typically have about a dozen to a hundred homes that are impacted by a flood event, but no federal resources to draw on, so have to use their local stormwater utility funds to manage all that and help people mitigate.

DISCUSSION: Erin Capps commented that rain-day funds are a good best practice for a couple of reasons that she hears about most often. One is that it's hard to get reimbursement from FEMA quick enough because it takes some time to appropriate funds through a FEMA grant, and second is the issue of not having the money even to do the match. A lot of times it's a state level disaster that results in the need for mitigation funding, so having rainy-day funds and setting aside funds up front is a good best practice.

Tim Trautman agreed, and shared that people who are living through a disaster don't want to wait years for relief. They're complaining about waiting months or even weeks; so, the longer it takes the more mitigation is inherently discouraged, and people will just figure out a way to get back to how they were. He and his team are hoping to prevent that and hope they can buy maybe 10 houses in some of the areas with the deepest flooding. The flooding ranged from 2 inches to about 8 feet inside the houses. It was very dramatic for the people in Charlotte, who aren't used to that depth of flooding. Some of the areas along the river don't make sense to elevate, and make more sense to buy, but in other areas elevation is probably okay.

Ned Swanberg reported on the Resilient Vermont Conference that Ed Thomas presented at in June. Ned was there for one of the two days. He observed that it was very well attended and was a very useful event with a lot of different discussions. Ned was involved in facilitating a workshop there with different watershed groups who are doing work on implementing mitigation practices, stormwater mitigation practices, public outreach, education, riparian buffer planting in various areas around the state, etc. Ned explained that they spoke to it as people working within the commons, trying to address issues on the ground with the select boards, planning commissions, and the public, as well as the needs of the watershed as a shared system, shared need, shared container; and also pointing to the gap between the regulatory realm which has limited control, and the opportunities for private individuals disconnected from each other. It was an opportunity express the need to think within a common format about how to articulate how they're all united within the watershed and dependent on watershed outcomes. It was a lot of fun. They got to hear from NGO watershed groups around the state about what each were active in, how they were engaging with new stakeholder groups in their communities, and how they were articulating these connections and listening closely to the needs of people in the watershed. He felt that that particular workshop was great. Ed Thomas's talk also was wonderful and well received as the keynote at the lunch hour and there were a lot of other workshops that happened there that were quite excellent. It was a really good event.

5) Status of Practical Community Resilience Project in South Carolina & Silver Jackets link (Ed Hecker)

New NHMA Board Member Ed Hecker to talk about RNN Linkage to Silver Jackets

Ed Hecker reported he is working with the Corps of Army Engineers, Ellen Bergren and David Vaughn of Clemson University to produce a talking paper that will help shape a webinar-type meeting, probably in late September or early October, to talk in some detail about collaboration we might be able to evolve between the Silver Jackets, coordinated by the Corps, and lead by the states, on the DRR Curriculum. One of the things that we could talk about that was captured pretty well in the Minutes of the last call, is the Pilot Project we did with the Silver Jackets in Lawrence County, South Carolina with Clemson University. Through the rich resources and support of its Risk Engineering Department, we were able to record a lot of the Lessons Learned and ideas that were shared. Ed Hecker will have somebody send these out to the RNN Community because so much of the material in those Lessons Learned from that pilot, in terms of work on practical community resilience, reflects the thinking of this whole universe of activity of resilience that can be translated into something that can actually be applied at the local level.

Erin Capps thanked Ed Hecker and asked him to keep us updated on this. NHMA now has its webinar platform up and would be willing to host a webinar on this whenever that material is ready.

Ed Hecker mentioned that they did do a two-day DRR seminar with the State of South Carolina Emergency Management Orientation that was well attended and connected that with the Resilience Pilot in Lawrence County, so it's another demonstration of the connection between what we're trying to do with the Curriculum and the overall effort to support communities in developing disaster resilient initiatives. More to follow.

6) Review of Action Items

7) RNN Future Activities

Erin Capps reported that we do have a couple of DRR Curriculum/conference meetings coming up in September. We have two events – one is in Utah, partnering again with the Bar Association there. Ed Thomas, Erin Capps and Professor John Marshall did a presentation for them back in September a couple of years ago of a few of the DRR Modules. It was very well received. Not only did we have attorneys there, but we also had flood plain managers, emergency managers, and others as well. It was a packed house and produced great questions. From that experience we have a bit of detail on what they want to hear from us this next go-round. They invited us back, and we're presenting several of the Modules again from the DRR Curriculum which will be happening September 18, 2019.

The following week both Ed Thomas and Annie Vest will be presenting Modules from the DRR Curriculum at the Arkansas Flood Plain Managers Association. Annie Vest is the former State Mitigation Officer for the state of Oklahoma and is a newly elected Board member in NHMA. She is trying to get a spot for a couple of us to speak at the Oklahoma Flood Plain Managers Association which may happen in October.

With regard to sharing the DRR Curriculum around the country, we want to look more closely at where we have connections with some of the state associations already; it may be through a general member of NHMA, a member of the

NHMA Board who may have ties and connections with a state chapter or association, or an RNN Community member as well. It doesn't have to be a flood plain association, either; it could be an emergency management association or other organization. As Ned Swanberg and Tim Trautman mentioned, some of the NGOs or stormwater utility groups who have conferences would be good for us to link up with and present for too. There are a lot of opportunities. It's slow going, but we're getting there, aligning our priorities, and in the meantime, we are getting our webinar series up and running.

The Program Management Team on the CTP met to look at where we can partner with groups for credentialing the DRR Curriculum and offering certificates. This could be through APA and working with them, or the International Association of Emergency Managers, or some others. At the NHMA Board meeting yesterday, the Board discussed a couple of different organizations that we are going to reach out to try to partner with for the purpose of offering credentials for the DRR Curriculum, such as Texas A&M University and the National Disaster Preparedness Training Center in Hawaii. There is also IAEM. These are a few good opportunities for partnering.

We have the Modules put together which might need some tweaking to keep them updated and current. How does this involve the RNN? We are going to send out a link, and make sure that everybody in the RNN has a link to all the Modules in the Curriculum. We want to keep this material fresh and current and gather comments on them. We are looking to get those in by the end of September so we can streamline the materials and incorporate the comments. Then we will do a more active reach out campaign to the partnering organizations to see where we can align with them for the purpose of credentialing. The more we talk with these partnering organizations the more legitimacy it gives to them. Our curriculum materials add value and credibility to their programs. It also ties into other credentialing systems, such as CEC.

So that's what's on the horizon in terms of where we want to go and what we want to do with this grant and the opportunity we've been given to continue working with FEMA and its partners.

- 8) Discussion of Best Practices Documentation-New Best Practice on mitigation-based recovery with no Presidential Declaration: Joe Rossi and Coastal Coalition [Material sent separately] and Traci Sears from Montana** – Tabled until Joe Rossi or Traci Sears can report on this.

9) Next Steps for RNN-DRR Curriculum Future Meeting? Discussion of CTP Grant

Erin Capps reported that next steps are two-fold: First to make sure that the Board and RNN have access to all of the Modules, collect any comments and once compiled, begin introducing these to other agencies and look at partnerships for credentialing; Second, to continue both live presentations and webinar presentations of the Modules and set up a schedule for that. These are two things in the works and happening now.

- a) New Grant requires NHMA and RNN to participate with and recommend other possible interested agencies for an advisory committee meeting in Washington D.C. – [Detail by John Wiener circulated with Minutes.] Possible other locations/dates**

Ed Hecker asked about progress on the new grant for NHMA to form an Advisory Committee.

Brad Dean responded with an explanation of the National Mitigation Investment Strategy. In the Agenda it mentions identifying schedules of potential webinars and so forth. The rollout of the Strategy has been pushed back toward the end of the summer. It is undergoing an absolute final review. For those who were at the NHC last week, there was initial socialization of that document and strategy. FEMA began socializing and introducing the goals and priorities to the US Chamber of Commerce Private/Public Partnerships Conference which was this week. Once that strategy has been finalized and approved by FEMA, we can socialize the final draft with NHMA and coordinate on how socializing and dissemination can begin.

Ed Hecker thanked Brad for the update. We are wanting to more fully engage NMIS along the lines of the update we got on BRICS from Kayed earlier this week, both of which Erin Capps will influence when we try to integrate the governmental structure for the grant going forward. Between the NHMA Board and the RNN Communities Ed Hecker would like to talk more about how we translate all of that into something productive happening on the ground in each community.

Brad Dean concurred that the recommendations and mission associated with aligning mitigation actions and promoting them at the local level driving the action is going to be critical. This plan sounds great.

Ed Hecker shared that he looks forward to things starting to come together in several ways.

Erin Capps shared that she just found out about the US Chamber of Commerce and Public/Private Partnership and is very interested and wants to put that on her radar for next year as it reflects a lot of what we are talking about very well. There was one session at the NHC on mitigation about how we tend to talk 'around' it, and how as a result there are lot of folks who don't really understand what we mean by the term or how to implement it.

b) NHMA DRR Curriculum & Workshop Status:

- i) Examining how to further improve fit of the RNN Curriculum to the needs of External Stakeholders; coupling better with existing courses: including FEMA, EPA, NOAA, NACo, NGO & private market courses?**
- ii) RNN Volunteers for the development of the Disaster Risk Reduction Curriculum;**
- iii) How to take advantage of the latest update from the Multi-Hazard Mitigation Council on the cost/benefit of Hazard Mitigation.**

c) Natural Hazard Conference

Jim Murphy reported on the Natural Hazard Center Conference held in Broomfield, Colorado. The Conference historically attempts to bring together researchers from the academic community, practitioners from local governments, the private sector, etc., with public policy makers from government, to talk about natural hazards. This year was the 44th Conference and there were 661 folks attending from 20 nations.

The Conference was started by Gilbert White, who is more or less considered the father of flood plain management and is run by the University of Colorado Natural Hazards Center. This year the theme of the Conference was *Convergence*. What was very important that came out of the Conference this year was the recognition that it is no longer just a technical matter, or a policy issue, or a concern of any given group, but rather the realization that we've all got to get together to make things happen. Gilbert White had a habit that when you got together with him in a panel or in a meeting and you had a good idea, he'd look at you and say, 'So now, what are you going to do about it?' What the practitioners at the Conference recognized is the need for all the different groups to get together to *do* something.

There's good news and some bad news around this: The bad news is, from a natural hazards standpoint - not just in this nation but across almost the entire world - that the effects of climate change, population growth, decreasing resources, etc. will create a series of issues that we've never had to deal with before. The good news is that we're not having to convince people that climate change is real anymore. There are a number of polls that have been taken by different organizations demonstrating that people genuinely and almost universally believe that climate change is real and that something is going to have to be done about it.

One of the things that was interesting at the Conference, not just in the sessions but in some of the discussions afterwards, is that one of the big potential problems that we face which nobody ever talks about is on the public health side: The potential for a world-wide (particularly flu) epidemic with climate change and a number of vectors (be it birds, animals or insects) to start spreading the flu and/or other diseases. What happened in 1918 when millions of people died worldwide from the flu could easily be replicated in the near future, especially with air travel and increased mobility of populations. This is something that gets very little publicity in the natural hazards group. The good news overall is that people are recognizing that we've got to take action and do something.

Ned Swanberg agreed that this is really important. Right now, we're looking at the situation of global catastrophe. We're looking at pulses of sea level rise - 14 meters, 50 meters, by the time Vermont is uninhabitable. We're looking at a long-term movement away from the coasts. It's going to be incredibly expensive, way beyond the capacity of municipalities and nations for the most part. The kinds of mitigation activities that we are thinking about to deal with the global climate crisis, including geo-engineering, are not likely to work, so we are in an emergency situation. It's really going to take emergency action around the world to address this. They're talking about the Antarctic glacier now melting at twice the rate that they had previously calculated. Things are happening fast, and there's a lot of pent-up damage that has not been expressed yet through the latent heat process. What we need to do is indeed primarily with people in the United States who consume most of the world's resources. And the way in which we can articulate how we're going to help people in the middle of all this legally, financially, and health wise, is going to be critical. Also, by way of disease; as you probably know, in the Arctic, in the permafrost, all sorts of things are coming back into circulation right now that haven't been there for thousands of years. Lots of new things as well in environments in the tropics that are coming into exposure to human populations. So, we have major global crisis underway.

Jim Murphy shared that though this is bad news, the good news is that at least people are recognizing it. One thing he found interesting is the ITECH study done several years ago which mentioned the Center for Atmospheric Research, and noted that the one thing they had not accounted for, which is now being accounted for, is the methane gas that is being released into the atmosphere - primarily from the permafrost in Russia, but also all across the world. Melting permafrost releases a lot of methane gas, which is sixteen times worse than carbon dioxide as far as climate change is concerned. **Ned Swanberg** agreed that it is a big accelerant now kicking in.

Erin Capps agreed with the assessment that there are a lot of issues and no answers for them yet. Along those lines of how do we initiate change, she saw a question posted on a recent forum about how do we prevent people from

continuing to develop in a flood plain when the Chambers of Commerce and businesses and cities and such are continuing to allow it? It's a question that really can't be answered except through education and making people aware.

One of the great advantages of RISKMap is showing in full detail the risks of flood plain areas and making sure that people know about them before allowing permitting and development. There have been some examples of change through this, such as in the City of Houston after Hurricane Harvey, increasing their BFE for areas outside the highest risk zone; and other cities as well, after Hurricane Michael. So, people are starting to get the message. Change is slow, but it is through everything which was discussed, and conferences like the Natural Hazards Center, that increase communities' awareness and willingness to make changes. One of the things too that Jim Murphy mentioned is the diverse group that attends the Hazard Centers events. It seems like they are partnering more with FEMA now and making that connection. Anytime you get students involved, they will see an opportunity to make a difference.

Erin was disappointed that she was unable to go to the Hazards Center but is pleased to hear that it was a great conference. She pointed out that at NHMA we are still very much committed to not only attending, but also in partnering with the Hazards Center. One of the things that we confirmed on the Board call yesterday is that we do need a spokesperson from NHMA to sit with the Hazards Center on their Advisory Committee that meets a couple of times a year.

Jim Murphy mentioned that Ed Thomas had been on that committee for the Hazards Center; Jim had covered for him in one of the meetings and is confident they would be very glad to have NHMA continue to be represented; we just have to get somebody.

Ed Hecker mentioned that the NHMA Board appointed a representative to do that yesterday. **Erin Capps** reiterated that Ed Thomas had through a series of e-mails talked about this and the NHMA Board nominated Tom Hughes to be its primary point of contact with the Hazards Center Advisory Committee, as Ed Thomas had explained he just doesn't have the time, even though he is very interested, to participate. So, Tom Hughes is our designee from NHMA and backups for him are Alessandra Jerolleman and Mr. Ed Hecker, who is on the call with us today. Ed Hecker has served on that committee for the Corps for 25 years, so he has some experience. She thanked Ed for being willing to serve in that role.

Erin Capps shared that this is a way we can continue to partner and eventually there might be an opportunity for us to host events at the Hazards Center and continue to serve not only a chance for Board members and members of NHMA as a whole to get together or of the RNN to meet, but also an opportunity to promote NHMA and increase our membership as well.

10) CTP Collaboration Monthly Call for Topics

Please keep in mind we have the *CTP Collaboration Monthly Call for Topics*.

11) Comments from Vincent Brown of FEMA on the many things happening at FEMA

12) Status of Island Press Interest, Articles for NHMA Newsletter and/or ABA

13) Adjourn

A **Motion** to adjourn was made by Ed Hecker.

The Motion was **seconded** by Erin Capps.

There being no objection,

Meeting adjourned 12:02 p.m.

Next meeting is **August 23, 2019 at 11:00 a.m.** Eastern Time.

[ACTION ITEMS LIST FOLLOWS]

ACTION ITEMS:

July 2019 RNN Action Items List

Status of Practical Community Resilience Project in South Carolina & Silver Jackets link (Ed Hecker)

- (July)-A1. Ed Hecker will have a copy of the Lessons Learned from the Pilot project in Lawrence County, South Carolina, with Clemson University, provided to the RNN Community.
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June 2019 RNN Action Items List

Status of ABA Resilience Book (Ed Thomas)

- (June-A1) Ed Thomas to talk to Gene Henry and Chuck Wallace about the contributions they will be making to the ABA Resilience book.
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May 2019 RNN Action Items List

Status of Practical Community Resilience Project in South Carolina & Silver Jackets link (Ed Hecker)

- (May-A1) Ed Hecker to speak with Ed Thomas and Tom Hughes about a summary report on the pilot project in South Carolina.
- (May-A2) Ed Hecker to assist in the next step to develop **and schedule a conference call/webinar between representatives of NHMA / RNN and the Corps and one or two members of the State Members of the Silver Jackets Community, as well as Professor David Vaughn of Clemson.**
- (May-A3) Ed Hecker to help come up with a target date for an initial conference call so we can work towards some specific actions from that.
- (May-A4) Ed Hecker to help coordinate with **Ellen Berggren who indicated she would be willing to work with us to set up this event when we are ready to proceed.**
- (May-A5) Gene Henry to pull in folks from his Neighborhood Resiliency Department and have them brought into this as well and to start working with the RNN.
- (May-A6) Ed Hecker will work to pull together the 2-pager or 1-pager that he mentioned in last month's call.
- (May-A7) **IN PROCESS** - Ed Hecker will write it up his thoughts on this and provide any additional words that the NHMA Admin might need to include in the Minutes.
- (May-A8) **DONE** - NHMA Admin to draft Ed Hecker's report from the Minutes and forward it to him for review and to enlarge upon for a Newsletter article.

Comments/Issues/RNN Community Sharing/Good News

- (May-A9) **DONE** - NHMA Admin to write up a summary of Gene Henry's remarks for him to review and expand upon for the NHMA Newsletter and distribution to the RNN Communities.
- (May-A10) **DONE** - NHMA Admin will write up a summary of Chuck Wallace's remarks for him to review and expand upon for the NHMA Newsletter and distribution to the RNN Communities.

Natural Hazards Mitigation Industry Association

(May-A11) Ed Thomas to pass on Gene Henry's comments to Rob Scott, about what a great resource a national Flood Industry Association would be for local communities.

A Briefing on the FEMA Flood Mapping Program (Lillian Robison)

(May-A12) **DONE** - NHMA Admin to include in the Minutes a write up of Lillian Robison's report to the Board on the FEMA Flood Mapping Program.

Review of Action Items

(May-A13) Ed Thomas and Gene Henry to continue work on updates to the one and two-pagers to make these snappier and pithier and developed to specific issues and matters around Modules 15 and 20 or any other Modules in the DRR Curriculum.

(May-A14) **IN PROCESS** - NHMA Admin to get a note out to everyone about putting in place a procedure for gathering feedback on the Modules - to make them available to RNN Community members to look at and help keep them updated and the material fresh.

(May-A15) Vince Brown to schedule Laura Duff to come back in a few months to talk to the RNN about the *Tribal Mitigation Planning Handbook*.

(May-A16) John Wiener to ask Vince Brown to make available any information about this talk as soon as it is ready to go, so we can circulate it as widely as possible to the tribal communities.

(May-A17) Erin Capps to discuss with Laura Duff about doing a webinar for us on this to continue to loop Laura Duff in on our activities to keep her in mind for future calls and webinars.

(May-A18) Erin Capps to determining the composition of the DRR Subcommittee – whether it will be different from the PMT or the same.

(May-A19) John Wiener to write something up about the new Bulletin 17C and what it means and the implications particularly for flood plain management in a way that folks can easily understand what is going on with this.

(May-A20) NHMA Admin to work with John Wiener on building this paper into an article for the NHMA newsletter.

(May-A21) John Wiener to present potential comments on the Bulletin 17C to the NHMA Board and get a vote on making them available to FEMA for review.

Next Steps for RNN-DRR Curriculum Future Meeting? Discussion of CTP Grant

- a) New Grant requires NHMA and RNN to participate with and recommend other possible interested agencies for an advisory committee meeting in Washington D.C. – [Detail by John Wiener circulated previously.] Possible other locations/dates

(May-A22) Program Management Team of NHMA will be meeting and discussing a meeting of the RNN Communities.

(May-A23) Per Ed Hecker's suggestion, will try to work a meeting of the RNN Communities in with a session with FEMA and the Corps discussing next steps forward.

(May-A24) Ed Hecker asked will the PMT discuss the Advisory Team requirement in the Grant at this meeting?

(May-A25) Ed Hecker to be added to the PMT to include this thought in the discussion.

(May-A26) Ed Hecker to speak with Ed Thomas and Tom Hughes about a summary report on the pilot project in South Carolina.

(May-A27) **DONE** - NHMA Admin to bump item No. 10 up to the RNN Community Groups level on the next Agenda so Ed Hecker can give a mini presentation on the Status of Practical Community Resilience Project in South Carolina & Silver Jackets link.

(May-A28) Erin Capps to update everyone on the CTP at the next meeting after Vince Brown and David Mallory talk.

April 2019 RNN Action Items List

REVIEW OF ACTION ITEMS

- (April-A1) **DONE** - NHMA Admin to put the National Symbols Cache. <https://www.symbols.gov/> in the next Newsletter and get it up on both websites.
- (April-A2) **IN PROCESS** - Gene Henry and Ed Thomas to get together to make the one-pagers pithier and snappier and see if special one-pagers can be developed for specific issues/matters around Module 15 and Module 20, or any other Modules.
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March 2019 RNN Action Items List

REVIEW OF ACTION ITEMS

- (March-A1) **IN PROCESS** - Barb Miller will invite Jenny Gannoway to talk at a future meeting about West Virginia VOAD's Bridge Project. *NOTE from Barb Miller: "When would be a good time to do this? I hesitated only because we seem to be having difficulties with time to get through our agenda. Let me know when you think would be a good time for her to do this and I will be happy to give her a call."*

PRESENTATION ON MITIGATION PLANNING BY LAURA DUFF, PLANNER AT FEMA

- (March-A2) Veronica Criscitiello to distribute a copy of the Planning Module to Laura Duff for her review and feedback.
- (March-A3) Laura Duff to look at the Planning Module and give some feedback.
- (March-A4) Tom Hughes to talk to Shannon Burke about going to the next APA Conference to try to interest university professors there in the DRR Curriculum.
- (March-A5) Tom Hughes to get with the APA about improving the Planning Module and putting parts of the Curriculum out as webinars.
- (March-A6) Vince Brown to schedule Laura Duff to come back in a few months to talk to the RNN about the Tribal Mitigation Planning Handbook.
- (March-A7) Erin Capps to discuss with Laura Duff about doing a webinar for us on that as well.
- (March-A8) Erin Capps expressed our hope to continue to loop Laura Duff in on our activities and keep her in mind for future calls and webinars

NEXT STEPS FOR RNN-DRR CURRICULUM FUTURE MEETING? DISCUSSION OF CTP GRANT

- (March-A9) Veronica Criscitiello to get the updated Curriculum Overview sent out to everybody.
- (March-A10) Ed Thomas and Erin Capps to arrange with David Mallory to make a frequent report (not less than once per month) to Vince Brown on the stuff we're doing with FEMA's investment to make sure that Vince is aware of how we are using these, and the leverage with the RNN Communities and the Best Practices we are developing, etc.

- (March-A11) Rebecca Joyce to put Module 24 – From Policy to Engineering: Earthquake Risks in the survey she is sending out to the RNN asking if anyone could help with looking it over for final review.
- (March-A12) **IN PROCESS** - Barb Miller to review Module 6 – Risk Assessment – *Barb Miller awaiting materials.*
- (March-A13) **IN PROCESS** - Veronica Criscitiello to send Module 6 – Risk Assessment to Barb Miller for review. – *Query sent on status. - NHMA Admin.*
- (March-A14) Ed Thomas, Tom Hughes and Chuck Wallace to look at the Michael Gumpert Recovery Management Curriculum.
- (March-A15) Erin Capps to send the Michael Gumpert Recovery Management Curriculum to Ed Thomas, Tom Hughes and Chuck Wallace and then get back to Michael Gumpert and let him know.