

# NHMA DRR-A Workshop

## WebEx Chat Records

### Pre-Modules

*Tom Hughes to Everyone:* Hello, we're working through some of the room connection technical details. The presentations will begin at 9 am.

*Tom Hughes to Everyone:* The presentations will begin at 9 am.

*Tom Hughes to Everyone:* Please let us know if you have any questions.

*To Tom Hughes:* The presentations will begin at 9 am.

*Hope Winship to Everyone:* Please let us know if you have any questions.

*Hope Winship to Everyone:* The presentations will begin at 9 am.

*Hope Winship to Everyone:* The presentations will begin at 9 am. Everyone is on mute until this time. Please let us know if you have any questions before we begin.

*Hope Winship to Everyone:* The presentations will begin at 9 am. Everyone is on mute until this time. Please let us know if you have any questions before we begin.

*Hope Winship to Everyone:* The presentations will begin in a few minutes at 9 am. Everyone is on mute until this time. Please let us know if you have any questions before we begin.

*Jennifer Gerbasi:* Good morning. Thank you for allowing this to be online.

*To Jennifer Gerbasi:* Not a problem, thank you for joining.

*David J Alamia Jr:* Hi Hope, just checking in!

*To David J Alamia Jr:* Hi David, thank you for joining!

*Tracy Oscavich:* Tanya Hook with Lehigh County is here with me at Lehigh Valley Planning Commission - for attendance record and certificates

*To Erin Capps:* Hi Erin, I'll unmute you and Ed as soon as we start. I'll take back the presenter rights to do the surveys at the end of the module

*To Tracy Oscavich:* Thank you Tracy. Let me know if anyone else joins.

*Tracy Oscavich:* okay will do

*David J Alamia Jr:* yes good

*Benton Best (Tioga County):* Looks good on the webinar

### Module 1

*Tracy Oscavich:* will the speakers provide contact information at some point?

Cynthia Bardman: Managed demographics

Jodi: Getting people out of harm's way!

To Tracy Oscavich: I will check and make sure we can send out an email with this information

Eric Stahley: Saving lives, saving property.

David J Alamia Jr: I like the term much more because it self-explanatory

Tracy Oscavich: thanks!

Benton Best (Tioga County) to Everyone: It's important to have an objectionable, standardized system for calculating risk before you can determine whether or not you're being successful at reducing it.

David J Alamia Jr: You do not need to explain what a hazard is or what mitigation is

To Benton Best (Tioga County): Sorry I didn't get to yours, but we're saving all of the responses.

Jennifer Gerbasi: Who were in the first cohort?

David J Alamia Jr: Thank you! NHMA has been a great resource as a new Mitigation Planner in a large metropolitan area!

Jennifer Gerbasi: Is this the second time that this course has been given?

David J Alamia Jr: Will there be an opportunity to complete the other course modules for the entire Ambassador's curriculum?

## Module 2

Jennifer Gerbasi: I can't hear her anymore

Jennifer Gerbasi: Problem on my end. Sorry. Fixed.

To Jennifer Gerbasi: Oh good, thank you for letting me know!

To David J Alamia Jr: I will follow up on your question with Ed. Thank you.

Cynthia Bardman: Avoid it

Jodi: Avoidance

Jodi: \$5 billion

Jennifer Gerbasi: \$75 billion

Benton Best (Tioga County) to Everyone: Trillions, easily

Jennifer Gerbasi: How do we get beyond the power of the local developers who insist that they are building what the community wants, and the additional margins of safety are seen as a luxury, not a foundation. Trying to move to the state level, we find that in states that are "minimum maximum" it takes higher standards from the locality. So, unless the state is going to go big, we need to stay at the local level. We are always looking for some way to get enough public support to override the status quo.

**Comment [WH1]:** In response to question from Ed on slide 18 or 19

**Comment [WH2]:** In response to Ed's ask for questions

**Comment [WH3]:** In response to Ed on slide 20

**Comment [WH4]:** Question from Ed on slide 34

**Comment [WH5]:** Answered in session

*To Jennifer Gerbasi:* I'll read this out the next time he asks for questions, thank you Jennifer.

*Benton Best (Tioga County) to Everyone:* We may discuss this later but will there be a repository or resource library of templates for local ordinances, building codes, etc. that would promote risk reduction if implemented?

*Cynthia Bardman to Everyone:* EVERYONE has issues with resilience. I think we need to back away from looking at specific groups of individuals and look at communities as a whole - a watershed approach in a way.

*John Wiener:* Thanks - you were not an option earlier...

*Cynthia Bardman to Everyone:* Communities

*Jodi:* How do you overcome the belief of the people in a community that it will never happen to them?

*Cynthia Bardman to Everyone:* communities..

*Cynthia Bardman to Everyone:* Entitlement is an issue

*John Wiener:* My question is about how to raise the issues of bad development versus the local budgets -- that extra 1 - 2 % cost of doing it right -- versus the drain down of capacity to move forward with everything else

*Jennifer Gerbasi:* Interesting. I look forward to those modules. The developers want us to get grant funds to underwrite their additional costs until the market catches up and pays for it within the free market.

*To John Wiener:* Thank you! I'll read this out in the order received.

*To Jodi:* Thank you! I'll read out the questions in the order received, going back and forth with those in the room.

*To Cynthia Bardman:* Thank you! I'll read out the questions in the order received, going back and forth with those in the room.

*To Benton Best (Tioga County):* Thank you! I'll read out the questions in the order received, going back and forth with those in the room.

## Module 5

*Stephen Cauffman:* Hope, can we test my audio before the end of the break?

*Hope Winship to Everyone:* Sure!

*Hope Winship to Everyone:* Oops, sorry everyone, that was for one person.

*To Stephen Cauffman:* Steve, are you going to drive your presentation too? Or would you like me to?

*Stephen Cauffman:* I can drive if that works.

*To Stephen Cauffman:* Absolutely, I

*Stephen Cauffman:* Will you cue up the presentation?

*To Stephen Cauffman:* will make you the presenter.

*Stephen Cauffman:* ok

*To Stephen Cauffman:* I'll ask Tom or Gina and let you know in a minute.

*Stephen Cauffman:* If it is easier, I can let you drive.

*To Stephen Cauffman:* Tom would like you to just start, we'll just open here and say that you are starting with the next presentation and then I'll put this room on moot.

*Stephen Cauffman:* Ok. Are you ready?

*David J Alamia Jr:* Is NIST cooperating with FEMA Community Resilience Indicators and National Level Measures?

*To David J Alamia Jr:* I will ask at the next opportunity.

*Jennifer Gerbasi:* Out for Dr. Appointment. Will sign back in for afternoon.

*To Jennifer Gerbasi:* Thank you Jennifer.

*David J Alamia Jr:* Is there a cross-walk between the NIST Planning Guide and the FEMA Mitigation Plan Review Guide to identify similar plan integration points?

*To David J Alamia Jr:* I'll add this one to the list as well.

*Lisa:* We're required to have a hazard mitigation plan for mitigation/resilience projects; how can the planning guide help with that.

*To Lisa:* Thank you Lisa, I will ask that at the next opportunity for questions.

*Lisa:* Thanks

*Lisa:* so the best way to use the guide is for the risk assessment?

*David J Alamia Jr:* timing and dependencies seem to be heavily emphasized. does this relate back to business continuity planning with Recovery Time Objectives?

*Benton Best (Tioga County) to Everyone:* Where will we be able to find the recordings of these sessions?

*Hope Winship to Everyone:* Anyone who submitted questions after we moved to the polling, or who submitted for other modules and there wasn't time to ask, I will send to the module presenters

*To Benton Best (Tioga County) :* I will check and get back to you

*Benton Best (Tioga County):* Thanks. I'll be missing the next one but really want to see it if I can

*Benton Best (Tioga County):* If you're able to email it out to either me at bbest@tiogacountypa.us or just the group in general, I'd appreciate it. Thanks again!

*Mila Harrison to Everyone:* We can still hear you, Hope.

**Comment [WH6]:** Answered in session

## Module 4

*Scott Lindenmuth:* Hi Hope! This is Tanya Hook, I'm now listening in to the presentation with Scott Lindenmuth in our office.

*To Scott Lindenmuth :* Wonderful, thank you Tanya

*Hope Winship to Everyone:* Good afternoon, we're going to get started in a couple of minutes. We have everyone muted until then.

*Hope Winship to Everyone:* As a reminder to most, and for awareness for all new attendees, if you need to submit a question please submit to either everyone or to me directly and I will read it out to everyone.

*David J. Alamia Jr.:* I cannot see questions?

*John Wiener:* An observation: nationally. We face a very real crisis in soil - West Va might be unusual, but there are strong and frightening trends that affect food security and quality as well as hazards in rural and metro areas...

*John Wiener:* questions did not come up as this morning. Might be on my end.

*Laura Kratz:* My polling questions are frozen. Maybe others are having the same problem.

*Maryellen Keegan:* Would it be possible to post the polling questions individually like the in classroom questions? This way those on the webinar are not able to see the answers before we hit submit.

*Hope Winship to Everyone:* I'm sorry there were so many problems with the polling, 16 participants were able to take it, so I will try to figure out why the others are having issues before the next module.

*Laura Kratz:* No problem! Just wanted to reach out

*Maryellen Keegan:* Ok, thanks!

*Ed Thomas:* Please repeat the questions; I could not hear what Vince asked. ET

*Ed Thomas:* As to the poll issue; I found that the list of participants blocked the poll. So, I exited out the participant list and took the poll. Ed

*To Ed Thomas:* I'll make sure people use microphones. Vince asked what the discussions with the FEMA Region III looked like.

*To Ed Thomas:* Thank you! I'll make that suggestion next time.

## Module 16

*Jennifer Gerbasi:* He states that wind is cheap and easy to get. We have had homeowners refuse to elevate due to the increase in their homeowner policy (with wind) going up so high as to negate the flood insurance savings. Has anyone else seen this happen? Should wind be so high that it is choice limiting? These are structures on the gulf coast not within view of the water.

*To Jennifer Gerbasi:* That's really interesting, thank you for asking.

*To Jennifer Gerbasi:* I'll ask when we're open for questions.

*David J. Alamia Jr.:* It eventually popped up and I was able to submit. Again thank you!

*Jennifer Gerbasi:* I understand why we would want businesses to be able to get coverage above \$500K, but I don't get why there would be a different cost for the 100% loss v. the 10% loss. If the two are about the same risk of happening, why wouldn't their cost be the same? Both will cost the NFIP \$500K, so unless he knows that the risk model doesn't show this payout and risk paradigm as being the same, why would it be on its face problematic?

*To David J. Alamia Jr.:* Thank you David!

*To Jennifer Gerbasi:* I'll make sure you get an answer on this one too, thank you.

*To Jennifer Gerbasi :* Even if we don't get to all the questions in this session I'm going to send all questions to the presenters this evening so they see them and respond.

*David J. Alamia Jr.:* can the speaker provide more information on the National Catastrophe Insurance Program (NCIP) that supposedly insure flood losses?

*To David J. Alamia Jr.:* I'll ask him to in the questions portion. Also, if we aren't able to get to all of the questions again I'm compiling the questions and sending to the presenters so that they can get answers back to all of these.

*David J. Alamia Jr.:* After the Memorial Day and Tax Day flood in Texas we had a few residential properties covered by NCIP and they needed letters from our permit/engineering department on water damage categories; i.e. Category 3 - black water because of impacts from a waste water facility that flooded.

*Jodi:* Plus their soils are unstable!

*Jennifer Gerbasi:* Our flood insurance companies don't even tell consumers about increased cost of compliance. The financing / compensation of insurers needs to pay for reducing risk rather than a percentage of a high premium and a percentage of payment. The current system seems to have conflicts of interest. Agree that flood zone is not enough information if it doesn't tell the probability of water getting to x structure y times in z timeframe. Like he says, new approach needed.

*To Jennifer Gerbasi:* I thought this one dovetailed nicely with the end of the presentation, I will send on your other questions. Thank you Jennifer.

*Jennifer Gerbasi:* thank you.

*Ed Thomas:* The question on funding can be handled in the next session, and also in the evening session

*John Wiener:* Tricky question since does not include wind!

*To Ed Thomas:* Absolutely, thank you, I'll pass that on

*To Ed Thomas:* And you're giving this one, I forgot

*Tracy Oscavich:* is the background noise from Ed's phone?

**Comment [WH7]:** Risk question (LA vs. San Francisco)

**Comment [WH8]:** Answered in session

*To Tracy Oscavich:* I believe so, and maybe a little rustling in our room. I'll mute us while Ed is talking.

*Tracy Oscavich:* Okay thanks! He is actually hard to hear at some points from it.

*To Tracy Oscavich:* Thank you for letting me know!

*Tracy Oscavich:* Sure thing! This is great btw!

*To Tracy Oscavich:* Wonderful, I'm glad you're enjoying it!

## Module 8

*Maryellen Keegan:* In Monroe County, we have had trouble getting in touch with our representative from DEP regarding FireWise. Is there anyway NHMA can help counties in the same position implement this program?

*Jennifer Gerbasi:* FYI, this may not be for this discussion, but the President's budget eliminates the PDM program, some of the CDBG grants, \$190 million from the FEMA mapping program, and possibly other programs I am forgetting. Maybe this has changed over the last two or three weeks, but this is my understanding. Some legislators are suggesting that we have personal savings accounts to self-insure for flood insurance, much like the way they think we can have a savings account for health insurance. These political approaches may change how we approach risk reduction.

*To Maryellen Keegan:* I'll ask, either on the line depending on time, or send to Ed directly to find an answer for you.

*Maryellen Keegan:* Thanks!

*To Jennifer Gerbasi:* This is a comment that I think should be addressed, we'll see about timing, but I think it's a key point for everyone to see/hear.

*Tracy Oscavich:* I'm sorry for bugging you Hope. Just need to check in at what time this switches over to the night session.

*To Tracy Oscavich:* No need to apologize!

*To Tracy Oscavich:* We'll switch over at 5:30. And hopefully there will be a few minutes break.

*Tracy Oscavich:* Ok thanks!

*Tracy Oscavich:* Unfortunately I can't do the later one and have to run shortly.

*Tracy Oscavich:* I'll be on in the morning!

*To Tracy Oscavich:* Not a problem. Will you be on tomorrow too?

*To Tracy Oscavich:* Great!

*Tracy Oscavich:* Yes I will

*Eric Stahley:* LATER

*Cynthia Bardman:* I cannot make the evening session, but your talks are very informative.

*John Wiener:* THANKS! HOPE and all! Great stuff and the DRR is really excellent!

*Hope Winship to Everyone:* Thank you everyone! I hope to see/hear you tomorrow!

## Evening Session

*John Wiener to Presenter:* I like the roadmap idea and am very impressed with the Wightman products -- Great that you all found her and her team.

*John Wiener to Presenter:* An idea: I'd like some links right up front in Starting the Journey that access mapping and state and local information to allow users and readers to get a tailored view of local history, and especially, local growth of pop and exposures...

*John Wiener:* I think the stories are important and I hope there will be one that shows the before with damage and the after without from same flow or wind... The non-event we most desire... Great stuff!

*John Wiener:* Tom's remarks confirm for me the idea of using a lot of links and getting that sharp-edge risk message right up front if we can... Big cities have a lot of stuff likely easily available. Maybe a portal exists somewhere that helps with this? (I am not on phone because sound quality is poor... and I am staying muted on computer because noisy here...

*John Wiener:* Sorry for inconvenience of this chat rather than call - they're mowing lawn out the window...

*John Wiener:* Thanks for the recap - hard to hear on the far end of this amazing tech...

*John Wiener to Presenter:* Question for the group: Could we enlist help by asking assorted folks in education, various levels, state and leading agencies, and groups like public health to help tailor and translate local/ sectoral/ ethnic versions of the roadmap?

*Ed Thomas to Presenter:* please ask Gina to repeat questions-saying that something was a great question does not help us who are on the phone. ET

*John Wiener to Everyone:* On the local awareness, one thing not well enough exploited yet is the amazing capacity to do graphics and simulations... Makes me want to hold some kind of contest for "Scare Your City Into Safety!" for Facebook and you-tube videos... Give prizes of recognition that universities and schools can brag about?

*John Wiener to Everyone:* Is there any hope for a template (fill in the blanks kind of guide) that would lead to a plan that could be used for many of these mandatory shelf-stuffers?

*John Wiener to Everyone:* Thanks -- What I am after is not that question of engagement (not that have solved it) - just wishing there was a way to cut the endless rewriting needed for all the different programs. Too many hours and trees and staff years on these rehashes...

*Ed Thomas to Presenter:* Can I say something?

*John Wiener to Everyone:* Thanks, Tom! Agree with Ed that the plan is not most important -- the process of community capacity building is central... I think time with the PTA is better spent than rewriting for yet another whatever... Time to move on - thanks for the streaming!



*John Wiener to Everyone:* Might stick in an appendix on BCA of planning - can be fabulous!

*John Wiener to Everyone:* Not sure if unmute worked, but would like to comment that if not prominent, analogy to panning for vacation -- more fun, and everyone does it... Because everyone understands that the BCA of some planning is extraordinary. I'd like some box if not there with links to good information on how cheap planning is, compared to failures and losses... And all the good things including not being sued! Information on foreseeable hazards is a stick as well as a carrot...

*John Wiener to Everyone:* Add links to some model grant applications, model plans WITH some expert discussion of why this part is good, where they got that info, how they did this... Generic coaching to make it easy for newcomers to get something done...

*John Wiener to Everyone:* Given the efforts and remarkable resources here, work on making some sections "Welcome!" to newcomers, and some sections on "digging deeper" for when you're ready to get into a topic. I would also like to see some flags for "very difficult and get help on this.."

## Module 18

*Hope Winship to Everyone:* Good morning. We're going to keep everyone on mute until we get started at 8 am.

*Hope Winship to Everyone:* If you have any questions before or during the sessions please chat "Everyone" or just this name. I'll read out any questions that you have for a session to the group.

*Hope Winship to Everyone:* Good morning, we'll be starting shortly. For your awareness if this is your first session, or as a reminder, if you have any questions before or during the sessions please chat "Everyone" or just this name. I'll read out any questions that you have for a session to the group.

*Eric Stahley:* Good to go in Columbia County.

To Eric Stahley: Thanks Eric! If you can, please email me a list of the attendees again.

*David J Alamia Jr:* Good Morning Hope. Just wanted to let you know I'm signed on. I was a bit late this morning

To David J Alamia Jr: Not a problem at all David, thank you!

*David J Alamia Jr:* I will have to sign-off around 9am and sign back in during the modules. I'm moving from one location to another, so will be without internet. just a heads up.

To David J Alamia Jr: Great thank you for letting me know

*Scott Lindenmuth:* Hope,

To Scott Lindenmuth: Hi Scott

*Scott Lindenmuth:* Tanya Hook is with Scott Lindenmuth on the phone.

To Scott Lindenmuth: Thank you

Jodi: When you raise the street aren't you just pushing the water to another location?

*Cynthia Bardman to Everyone:* Are there consistent specific models utilized - is it consistent?

*Ed Thomas:* Please repeat the questions!

*Eric Stahley:* Could the presenters please repeat the questions asked in the room before answering? Webinar attendees could not hear the questions.

*Hope Winship to Everyone:* I will remind presenters to ask questions or to have participants turn on their microphones for the next sessions.

*Eric Stahley:* Many thanks.

*To Cynthia Bardman:* Cynthia because of the time constraints I didn't get to ask your question, I will send it on.

## Module 19

*John Wiener:* Do percolation tests for estimation of runoff take place before the site is compacted by landscaping, contouring, etc.? I worry that the planning for stormwater is based on ideas from stick-built construction, before the PUD subdivision and whole-area compaction with heavy equipment.  
THANKS!

*To John Wiener:* Thank you!

*Jennifer Gerbasi:* It doesn't look like the street itself is porous. Is there a reason for that? It seems like they lost a lot of real estate there that may have been able to be sold to a neighboring development as it would have had more capacity than needed.

*To Jennifer Gerbasi:* Thank you Jennifer, I know that Michelle is hoping to finish in time for all of the questions that come in, so I'll ask at the end.

*Jennifer Gerbasi:* Of course. I am a TOTAL fan of constructed wetlands for sewerage treatment (studied it at Cornell) so I LOVE her work.

*Eric Stahley:* We lost the sound.

*Tracy Oscavich:* did the PENNDOT funds pay for the green infrastructure improvements?

*Eric Stahley:* Sounds back

*To Eric Stahley:* OK, I don't think it was on our end, we didn't hear from any others, but please let me know if it happens again.

*Eric Stahley:* OK. Will do. thx.

*Tracy Oscavich:* I'll ask, thank you!

*Tracy Oscavich:* thank you!

*Cynthia Bardman:* Thanks - also I didn't get my certificate for yesterday.... will this be emailed later?

*To Cynthia Bardman:* Yes, we're emailing them to all of the webinar attendees, hopefully this week. Will that work?

**Comment [WH9]:** Answered in session

**Comment [WH10]:** Question about the residential street shown in presentation with porous sidewalk, answered in session

**Comment [WH11]:** Answered in session

## Module 20

*Jennifer Gerbasi:* Was there a shift in Katrina that congressionally delegated disaster funds were charged against the insurance program? Did the insurance companies pay out their claims, or need to borrow to pay them? I am trying to understand how the debt got so high, and if it is the flood program bearing the congressional delegation of funding rather than the demand from insured policyholders.

*Jennifer Gerbasi:* Is there more than 100 points available for freeboard in the CRS program? Last I checked, it was 100 points, only if there was also no fill allowed in the floodplain.

*Jennifer Gerbasi:* Thank you Jennifer, I'll ask this!

*To Jennifer Gerbasi:* Both of these!

*Jennifer Gerbasi:* I want to plug my ASFPM talk in May called Engaging Private Enterprise to Promote Flood Safety. It is a talk about getting appraiser and mortgage companies to recognize and loan to support flood safety so that builders and buyers can afford to build and be safer.

*To Jennifer Gerbasi:* I'm checking with Tom Hughes

*Jennifer Gerbasi:* Ok. No worries.

*To Jennifer Gerbasi:* Hopefully there will be time after this presentation or after the feedback portion. If not, do you have information that we could send out to the participants?

*Jennifer Gerbasi:* Has there been any improvement in the mortgage companies requiring the flood insurance from federal loans as required?

*Jennifer Gerbasi:* Yes. 6

*Jennifer Gerbasi:* Part-time. But many people engaged across the Parish departments.

*Jennifer Gerbasi:* It is 3:45 on Tuesday with two other panelists.

*To Jennifer Gerbasi :* OK, I just heard back from Tom that it's fine as long as there is time. And I got your question about the mortgage companies.

*Jodi:* Under the new regulations are existing properties "grandfathered"?

*Jennifer Gerbasi:* The full info. C2: Changing Attitudes About Higher Standards  
\* States & Communities with Higher than Minimum Standards: What are We Seeing?.  
Engaging Private Enterprise to Promote Flood Safety.  
The Dollars & "Sense" of Flood Resiliency.

*To Jodi:* Thank you Jodi, I'll ask at the end.

*Jodi:* Thanks! Just for clarification....CRS Mapping & Regulations category

*To Jodi:* Perfect, thanks!

*Jodi:* Ha! Never mind!

**Comment [WH12]:** In response to questions about CRS

**Comment [WH13]:** Question – CRS Mapping and Regulation category (clarification from later in the chat

**Comment [WH14]:** Answered in the presentation

To Jodi: Perfect!

Eric Stahley: Webinar slide did not advance, so we can't see the map. We are still on Slide 27.

David J Alamia Jr: Can the speaker provide an overview of the America First budget which eliminates the FEMA flood mapping program and other critical flood programs?

Hope Winship to Everyone: For everyone on the webinar, the first two houses discussed are discussing two houses across the street from each other, one in the Special Flood Hazard Area and one not. The third house is in the SFHA, but right next to the river. This is a diagram that was drawn in the room.

Eric Stahley: Understood. Thanks!

David J Alamia Jr: A written response at a later time will be fine as well.

To David J Alamia Jr: Thank you David, this is a question asked yesterday as well, so I'm hoping we have time to discuss this today. If not I'll ask for a response to be sent out to the entire group.

Cynthia Bardman: Yes that is fine - as far as the certs. Thanks. And thanks for the description of the pic

To Cynthia Bardman: Wonderful, thank you Cynthia

Cynthia Bardman: This is what the COAST MODEL does

John Wiener: Last few minutes from David Mallory on the white board and points about the real information on F maps should be added to the module - Edelman testimony etc... that was great stuff and even more important thinking about changes in precip intensity and frequency of extremes... Great morning! Thanks for the streaming!

To John Wiener: Thank you John!

Jodi: Is that background noise coming from the room? Maybe remind everyone to mute their phones?

To Jodi: Thank you Jodi, I forgot the room wasn't muted since we've been going back and forth. I fixed it!

Jodi: Thanks!!

Jodi: I was having trouble hearing the speaker.

To Jodi: Absolutely. I've been trying to keep an eye on our room as well as on the other callers, muting people when they start making noise.

To Jodi: Which means just muting everyone to be safe. :)

Jodi: That was the first time I was having trouble so you must be doing a good job, ha ha.

To Jodi: Oh good!

Jennifer Gerbasi: Do floodplain managers use the National Tree Benefit Calculator or some other mechanism to capture the loss of tree uptake when land is clear-cut for construction? This assumes that clearing requires a permit and the predevelopment condition is therefore known.

To Jennifer Gerbasi: Thank you Jennifer

**Comment [WH15]:** Asked about diagram drawn in room, described below

**Comment [WH16]:** Slide 29 – built environment

*Jennifer Gerbasi:* I have not been able to see any of the links that are shown as "click to view," FYI.

*To Jennifer Gerbasi:* People can't click on them if they are viewing the presentations via webinar. I will check if they are in the Student Guides or if we will be providing the presentations.

*To Ed Thomas:* We checked with Gina, we can go until 11:40, but then we'll have to go to the Feedback and wrap up since 12:00 is a hard stop.

## Feedback

*John Wiener:* DRR many faces the same challenge as many groups and on-going associations: there are cost and environmental reasons to NOT travel, especially by air, but there are also great benefits from "face time" - real contact works better in person. This is a real debate for a lot of groups I am in... There seems to be some rough direction emerging that includes in-person at least at first, and then using more electronics...

*John Wiener:* The question on use only selected modules or try for all is complicated by wanting to know some well enough to use for comments and uses.... I think the work that has gone into this makes them too valuable to not use as much as possible - I hope they will be updated and annotated often!

*Jennifer Gerbasi:* Thank you.,

*John Wiener:* Thanks!!!!

*Hope Winship to Everyone:* Thank you everyone! Again, please email me your name if you attended in a room with anyone else.

*Hope Winship to Everyone:* We will send out certificates of attendance within a week.