Memo

To: ASFPM Climate Change Taskforce
From: Bob Freitag
Date: April 21st 2023 Call

Here are our notes from our April 21st Zoom call. Link to recording. In attendance were:

First	Last	Email
Bill	Nechamen	billnechamen@gmail.com
Bob	Freitag	bfreitag@UW.EDU
Jeanne	Ruefer	jeanneruefer@gmail.com
Jerry	Murphy	jerry@murphyplanning.com
Jose	Regalado	josefregalado@gmail.com
Joy	Duperault	joy.duperault@state.ma.us
Lisa	Foster	ldfoster@pinellascounty.org
Meg	Galloway	meg@floods.org
Shanna	Udvardy	sudvardy@ucsusa.org
Stephen	Veith	stephen.g.veith@gmail.com
Thomas K	Ruppert	truppert@ufl.edu
Tom	McDonald	tmcdonald@SavannahGa.Gov
Annika	Tomson	atomson@coastalstates.org

Agenda: Over a Zoom call, we discussed the following items.

- Co-Chairs Webinar, Bill will develop the program at the ASFPM Conference. – Bill
- Role of the Taskforce at ASFPM Conference – All
- NOAA Digital Coast Fellowship Project. Annika Tomson
- HAZUS – Webinar -- Stephen
- For the good of the order/climate items of interest - All

Co-Chair Webinar –Bill will develop at ASFPM Conference.

Webinar Title: Climate Change Influences on ASFPM Committee Work Programs.

Role of the Taskforce at the ASFPM Conference – All

- Taskforce members attending the conference will meet with each committee and lead a climate related discussion.
- A template has been prepared to support this activity. Shana will incorporate additional comments to the guide.
- Shana and Jeanne will coordinate the activity at the Conference.

- Joy volunteer to prepare an identifying ribbon, that Taskforce member will be given and will be expected to wear at the Conference.
- Jeanne will show segments of our past webinar that addressed arid changes to the Arid Committee.

NOAA Digital Coast Fellowship Project. Annika Tomson

- Annika asked taskforce members for recommendations coastal communities may be incorporated into her research.
- Annika will reach out to taskforce members Click here for her contact information.

HAZUS Webinar – The objective is to provide ways HAZUS can address future conditions and climate-influenced changes in risk. The Webinar will: Stephen

- Focus on how HAZUS f6.0 may address conditions
- Consist of a thought exercise noting problems, challenges and opportunities with addressing future conditions.
- Include panel presentations (20 minutes each)
- Fall of 2023il may be a good target period

No date was set, but the earliest I may be held is June.

For good of the order/comments by attendees:

- Bill will be stepping down from the Floodplain Regulations Committee
- Miami may be the canary in the coal minds. The storm brought climate change to the foreground.
- However, Florida, there are still a lot of deniers. Story was more about abandon cars than climate change
- Maps are available of pluvial probabilistic flooding
- FEMA is trying to incorporate climate change and future conditions with HAZUS
- Disinformation is a major issue.

Climate Library – This may be addressed at our June meeting. Niki

Next meeting will be on June 19th. Click here to attend. Bob will not be able to attend. Claire will facilitate.

Climate change Taskforce template for ASFPM committee discussion

1. **Climate mitigation and hazards mitigation (adaptation):**

   We must address both sides of the climate change coin: climate mitigation (reducing heat-trapping emissions, e.g. CO2) and climate adaptation (risk reduction or hazard mitigation).

   Climate Mitigation:

   Are we, is our committee working toward reducing emissions. Examples may include:

   - Avoiding destroying carbon storage by protecting and restoring, healthy forests, wetlands and coastal ecosystems:
     - "Blue" carbon is one example which addresses both, for example, by absorbing carbon and reducing coastal erosion.
   - Limiting, not strengthening, and not prolonging the life of greenhouse generating infrastructures.
   - Building new resilient buildings and infrastructure while embracing the use of low carbon materials and practices
     - This means utilizing things like the flood standard, the latest building codes and low carbon materials and practices.[1]
   - Microgrids that incorporate green infrastructure.
   - Restoration involving recycling

   Hazard mitigation (measures that adapt to a changing climate

   Are we, is our committee working toward reducing the impacts resulting from a changing climate:

   - *Stop developing* in SFHA
   - *Retreating* from increasingly risk prone locations
   - *Accommodating* change through design
   - *Protecting* assets from the effects of climate change
   - *Stopping* new development in undeveloped areas that are or will be subject to flooding due to increased rainfall and sea-level rise
   - *Creating* new local requirements for drainage systems for any new development or redevelopment that accounts for changing rainfall and rising sea levels

2. **Thresholds and tipping points**

   Do we, does our committee's effort recognize that climate change may be chronic, slow moving, but the effect can be sudden and episodic as thresholds are crossed.

   - Normally dry coastal land will be become *permanentl*y under water
   - Ecological regimes will change, and change again
   - Glacial and ice sheet melt and contribution to sea level rise.

[1] FEMA issued guidance on the use of low-carbon materials under hazard mitigation grant programs: see, Biden-Harris Administration Expands Assistance to Boost Climate Resilience and Support Communities Using Low-Carbon Materials.

3. **Equity**

    - Floodprone homes are often the most affordable. Buyouts often remove available housing.
    - QUESTION: Can ASFPM also add a focus on CC/SLR notice/information sharing as part our work so that broader awareness of the physical and financial constraints reaches property owners and the public? This is crucial to stopping the overvaluation of land at risk of flooding. It is also a crucial part of fairness so that people are not unknowingly funneled into high-risk areas.

4. **Questions:**

    - How is our _____ Committee addressing climate mitigation?
    - How is our committee building a community's adaptive capacity?
    - Does our committee's recognize climate change induced thresholds and tipping points?