

Memo:

To: To the ASFPM informal Climate Change Discussion Group (Those attending the April 27<sup>th</sup> conference (Zoom) call

From: Bob Freitag

Date: April 30, 2020

Subject: Notes

Here are notes transcribed from our April 27<sup>th</sup> conference call. There just to keep track of the array of issues presented. For a more complete understanding I encourage you to listen to the recording.

[Recording Link](#)

Notes:

Where to present our suggestions:

- Co-chairs retreat and the board retreat - It is unlikely to be a conference this year. So we don't have the in person board meeting coming. There's been discussion, but it hasn't been finalized of having the committee co-chairs retreat and the board retreat on the same week with a one day overlap. if that's the case, that would be a good time to present it more detailed discussion when both the board and the committees are present.

Policy Papers:

- Recommendation -- consider a white paper but that that can be a significant effort
- Discussion papers may provide a starting point. They do not need to be approved by the board
- May need a separate paper on climate evolution and terminology.
- May need multiple paper, white and o there wise.
- Policy needs to address both in areas of climate mitigation, and adaptation,
- There have been some discussion earlier about having a climate change committee. To have a committee looking specifically on climate change, because there's such an amount of a tremendous amount of data coming out.
- It would also make sense if every committees work plan included a climate change element

Mapping / Scenario Mapping

- Need to change approach:
  - We need to change the way we think of probabilistic flood maps
  - SLR - a floodplain is area that's normally dry that has a certain chance of becoming wet. How many times a year can land become when until we don't consider it a floodplain.
  - We have to approach mapping differently. And I'm just going to throw that out there.
  - What about scenario mapping
- Scenario Mapping offers opportunities
  - Scenario map is supported by APA
  - Floodplain probabilistic mapping cannot keep up with change. Trying to define a line that is so dynamic. Waste of money.

- Scenario mapping work should be project driven and would be supported by the ASFPM Foundation.
- Erosion mapping as an approach to Scenario mapping:
- The arid regions policy committee is actually developed a White Paper on that riverine erosion issue.
- Erosion mapping may provide a place hold. Section 6510 may provide some language. Placeholder in the Code of Federal Regulations that's never been populated.
- Coastal /riverine flood mapping
  - people are also not getting the proper hazard identification within areas where it transitions from the river into coastal surge
  - Increased flooding results along the coast and then the storm comes in land and then the water than pours out the fresh water pours out, causing a second wave of flooding
- Risk Mapping / CTP efforts can fund exploration of new mapping objectives
- Risk map FEMA has the ability to produce scenario based mapping for communities that they can use even though it doesn't go into a regulatory FIRM.
- FEMA Region 10 has been doing that extensively for communities in western Washington for the last five or six years.
- Charlotte Mecklenburg County, North Carolina successfully obtain the ability to include future land use conditions on their mapping and I just gone in on their 2014 firms and pulled off a couple of formats that illustrate that it was it was radical at the time they were talking about it when I left FEMA region for in 2007. FEMA does have the ability to do it. It's shown as a diagonally hatched shaded X zone, which means they insurance companies can ignore it.
- Community technical partners (CTP under the hazard mitigation grant programs. CTP program can be very creative.
- CRS:
  - CRS incentivizes is/could give points for updating maps in the communities that the updated based on sea level rise / storm surge future conditions mapping, whatever.
- State Efforts:
  - Mapping for specific risk issues as part of an overall planning grant for plan updates can be rather significant if you have identified in your previous plan that there's a significant risk.
  - Vermont has been doing a lot with that mapping future conditions as Colorado.

### **Next steps:**

Hold next Climate Change Working group at 9:00a on Friday, the second to the late week in May, or May 22nd

Agenda for May 22<sup>th</sup> meeting

- Status of climate change draft policy paper
- Format of possible Discussion / White Paper (s)