

Nonstructural Flood Proofing Committee

Work Plan 2020 - 2021

Overview

The [Nonstructural Flood Proofing Committee](#) focuses on educating ASFPM members, all levels of government, and the public on the acceptable nonstructural techniques used to reduce flood damage and increase resiliency. Nonstructural measures, when appropriately implemented, decrease the consequences of flooding while increasing resiliency, but continue to be underutilized across the nation. Structural flood-risk management measures, which support a modification in flood frequency, have indirectly led to increases in floodplain development and result in increased flood risk and damage. The number of structures at risk of flooding continues to grow, in large part due to climate change, increase in flood frequency, and relying on outdated Flood Insurance Rate Maps (FIRM) for floodplain regulatory purposes. Areas “protected” by accredited levees are exempt from floodplain management and flood insurance requirements, and future conditions are not reflected in the determination of the flood risk portrayed on the FIRMs.

In support of the ASFPM Board’s currently approved 2019-2020 Goals and Objectives, the Nonstructural Flood Proofing Committee supports:

- 1) Identify and Address Critical Issues Facing Flood Loss Reduction in the nation,
- 2) Refine Existing Programs and Services to Improve Floodplain Management in the nation,
- 3) Increase the Effectiveness and Efficiency of ASFPM Operations, Management and Board of Directors.

In light of the continual increase in devastating flooding occurring across the United States and the detrimental impacts occurring to all citizens, the Nonstructural Flood Proofing Committee supports increased visibility and activities in the following areas in an effort to decrease flood damages and improve resiliency:

- 1) Social Justice
- 2) Climate Change
- 3) Community-Wide Projects

Emphasis on reducing flood risk must be a high priority within any decision that affects existing or new structures. Within the confines of the flood-risk equation that states flood risk is equal to the product of flood frequency times the flood consequences,

$$\text{Flood Risk} = f[\text{probability of flooding} \times \text{consequences}]$$

emphasis must shift from measures that focus on reducing flood frequency (structural measures) to measures that focus on reducing flood consequence (nonstructural measures). It is the overall objective of this committee to assist the nation in transitioning away from first reliance on structural measures to first reliance on nonstructural measures. The work plan of this committee for the time period 2020-2021 is designed to aid in that transition.

Committee Co-chairs:

Randall Behm

Manny Perotin

Task Outline

The Nonstructural Flood Proofing Committee has the following standard business activities that the co-chairs attend to:

- Participate in ASFPM Policy Committee conference calls and annual co-chairs retreat.
- Attend Policy Committee Chair Meeting at the annual conference and conduct an annual committee meeting at the national conference.
- Organize and facilitate regular committee conference calls.
- Provide leadership to the committee throughout the year, especially to complete tasks contained within the work plan.
- Prepare annual reports and develop an annual work plan. The current Nonstructural Flood Proofing Committee Work Plan contains six work items that the committee will advance during the coming year.

The work items are:

1. Enhance the committee's website to make it more dynamic and user friendly for committee members, ASFPM members and the general public.
2. Support the ASFPM Flood Science Center on its development of the Flood Mitigation Library Website by providing technical assistance and support with any nonstructural flood proofing mitigation tools and information.
3. Continued development on two additional informational documents that promote and support Section 26 of the [Homeowner Flood Insurance Affordability Act](#) that recognizes the use of alternative flood proofing measures for residential and commercial structures.
4. Develop talking/discussion points for ASFPM HQ on a new definition for dry flood proofing, as new technology has been developed, and several agencies are not in consensus on the current terminology.
5. Continue to seek opportunities to implement post-flood and pre-flood workshops regarding nonstructural flood proofing mitigation.
6. Maintain good committee presence at ASFPM's annual national conference.

Work Item 1

Task Title: Enhance the committee's website to make it more dynamic and user friendly for committee members, ASFPM members and the public.		Task Leaders: Randy Behm, Manny Perotin
Support: ASFPM Web Manager		
Approximate Start/End Date: October 2020 – September 2021	Approximate Hours to Complete: 80	
Detailed Task Description: Continue to review and improve the existing committee website by modifying it to provide pertinent information with photographs, graphics, and links to other relevant websites. Constantly be looking for pertinent nonstructural/flood proofing Information to place on the website.		
Prerequisites Needed: (Activities That Need to Be Performed Before This Task Can Begin) Coordinate with AFSPM Web Manager		
Other Policy Committees/entities to Engage for this Task: none		
Completion Schedule: proposed Sep 2021		
Deliverables: Updated committee website.		
Other Necessary Support or Resources: ASFPM HQ		
Approximate Direct Cost to Complete: (Labor and Non-labor) ASFPM HQ will have some labor requirements for assisting with website modifications.		
Approval Process: (Does the Task Require Board Approval?) none		
Assumptions: None		
Prepared by/ Date: Manny Perotin/Randy Behm Oct 16, 2020		Approved By/ Date:

Work Item 2

Task Title: Support the ASFPM Flood Science Center on its development of the Flood Mitigation Library Website by providing technical assistance and support with any nonstructural flood proofing mitigation tools and information.		Task Leader: Behm, Perotin and other committee members as required.
Support: Coordination with ASFPM Flood Science Center		
Approximate Start/End Date: October 2020 thru September 2021	Approximate # Hours to Complete: unknown	
Detailed Task Description: Provide support to FSC on its nonstructural flood proofing mitigation needs for development of their library website.		
Prerequisites Needed: (Activities That Need to Be Performed Before This Task Can Begin) Coordination with ASFPM Flood Science Center regarding specific needs.		
Other Policy Committees/entities to Engage for this Task: Mitigation and Flood Insurance committees		
Completion Schedule: Compliment the ASFPM Flood Science Center schedule.		
Deliverables: Materials as requested by the Flood Science Center		
Other Necessary Support or Resources: none		
Approximate Direct Cost to Complete: (Labor and Non-Labor) Volunteer support to assist Flood Science Center		
Approval Process: (Does the Task Require Board Approval?) No		
Assumptions: none		
Prepared by/ Date: Manny Perotin/Randy Behm Oct. 16, 2020		Approved By/ Date:

Work Item 3

<p>Task Title: Continued development on a series of informational documents that promote and support Section 26 of HFIAA that recognizes the use alternative flood proofing measures for residential and commercial structures.</p>	<p>Task Leader: French Wetmore</p>
<p>Support: Wetmore, Reidel Behm, Perotin</p>	
<p>Approximate Start/End Date: October 2020 – September 2021</p>	<p>Approximate # Hours to Complete: unknown</p>
<p>Detailed Task Description: Develop two additional informational documents that promote and support Section 26 of HFIAA that recognize alternative flood proofing measures for residential and commercial structures. One document for extended foundations, and the second document for slab on grade foundations.</p>	
<p>Prerequisites Needed: (Activities That Need to Be Performed Before This Task Can Begin) None</p>	
<p>Other Policy Committees/entities to Engage for this Task: Executive Office, Flood Insurance, Mitigation, Floodplain Regulations</p>	
<p>Completion Schedule: September 2021 for an additional document.</p>	
<p>Deliverables: Two additional informational brochures promoting the use of nonstructural flood proofing and other low-cost mitigation measures for residential and commercial structures.</p>	
<p>Other Necessary Support or Resources: none</p>	
<p>Approximate Direct Cost to Complete: (Labor and Non-Labor) Support in placement of documents onto ASFPM web sites and potential for printing.</p>	
<p>Approval Process: (Does the Task Require Board Approval?) Chair, executive Director, and Public Information Officer.</p>	
<p>Assumptions: none</p>	
<p>Prepared by/ Date: Manny Perotin/Randy Behm Oct. 16, 2020</p>	<p>Approved By/ Date:</p>

Work Item 4

Task Title: Develop Talking/Discussion Points on a new definition for Dry Flood Proofing		Task Leader: Perotin
Support: Bill Coulbourne		
Approximate Start/End Date: October 2019 – September 2020		Approximate # Hours to Complete: Unknown
Detailed Task Description: Develop a list of talking points/proposals for ASFPM HQ regarding the formation of a subcommittee to seek refinements to the requirements of FEMA in accepting various flood proofing solutions to mitigate flood losses as well as potential proposals for ASCE 24 Committee to consider. Monitor the ASFPM DHS Flood APEX Project as well as other ongoing activities related to flood proofing. Add emphasis to the definition of "Dry Flood Proofing" which is currently being reviewed by ASCE 24 Committee and possibly FEMA. With new technology/techniques for flood proofing, is additional guidance needed as it relates to the definition of flood proofing.		
Prerequisites Needed: (Activities That Need to Be Performed Before This Task Can Begin) None		
Other Policy Committees/entities to Engage for this Task: Mitigation, Floodplain Regulations, Flood Insurance		
Completion Schedule: Develop talking points for ASFPM Executive Office through May 2021		
Deliverables: Talking points for ASFPM HQ		
Other Necessary Support or Resources: None		
Approximate Direct Cost to Complete: (Labor and Non-labor) Volunteer Services		
Approval Process: (Does the Task Require Board Approval?) None		
Assumptions: None		
Prepared by/ Date: Manny Perotin/Randy Behm Oct. 16, 2020		Approved By/ Date:

Work Item 5

Title: Continue to seek opportunities to implement post-flood and pre-flood workshops regarding nonstructural		Task Leader: Behm, Perotin
Support: Additional committee members as necessary.		
Approximate Start/End Date: On Going	Approximate # Hrs to Complete: Unknown	
Detailed Task Description: Continue to develop and promote outreach workshops on potential nonstructural mitigation measures for officials and the public. Work with ASFPM HQ, Corps of Engineers and FEMA (including the Emergency Management Institute) to support funding for these workshops. Also conduct pre-flood workshops wherever opportunities exist. Consider developing materials the committee can provide to state and regional chapters immediately following a disaster.		
Prerequisites Needed: (Activities That Need to Be Performed Before This Task Can Begin) Work with ASFPM HQ, Corps of Engineers and FEMA to provide funding, materials and instructors for workshops.		
Other Policy Committees/entities to Engage for this Task: Flood Mitigation and the Training/ Outreach/Higher Education Pod		
Completion Schedule: Ongoing		
Deliverables: After a flooding disaster, provide the state NFIP coordinators and state hazard mitigation officers a fact sheet, success stories and strategies to providing the workshops.		
Other Necessary Support or Resources: Possible volunteer services		
Approximate Direct Cost to Complete: (Labor and Non-labor) Requires funding source		
Approval Process: (Does the Task Require Board Approval?) none		
Assumptions: None		
Prepared by/ Date: Manny Perotin/Randy Behm Oct. 16, 2020		Approved By/ Date:

Work Item 6

Task Title: Good committee participation at the 2021 ASFPM Annual National Conference		Task Leader: Perotin, Behm
Approximate Start/End Date: October 2020 – June 2021	Approximate # Hours to Complete: unknown	
Detailed Task Description: Conduct a committee meeting and auxiliary meetings (Early Bird) as necessary. Engage new membership for the committee and support ASFPM HQ as necessary.		
Prerequisites Needed: (Activities That Need to Be Performed Before This Task Can Begin) Submit abstracts on time; request meeting rooms for committee meeting and auxiliary meetings.		
Other Policy Committees/entities to Engage for this Task: none		
Completion Schedule: ASFPM 2021 Annual National Conference		
Deliverables: Conduct Committee Meeting, Early Bird Session and encourage committee members to prepare concurrent session presentations.		
Other Necessary Support or Resources: none		
Approximate Direct Cost to Complete: (Labor and Non-Labor) Volunteer services		
Approval Process: (Does the Task Require Board Approval?) none		
Assumptions: None		
Prepared by/ Date: Manny Perotin/Randy Behm Oct. 16, 2020		Approved By/ Date: