

Nonstructural Flood Proofing Committee

Work Plan 2018 – 2019

Overview

The Nonstructural/Flood Proofing Committee is focused on promoting opportunities to work strategically across all levels of government to reduce flood loss by considering all viable nonstructural techniques. Nonstructural measures, which, when appropriately implemented, decrease the consequences of flooding continue to be underutilized across the nation. Structural flood risk management measures, which support the reduction in the frequency of flooding, have indirectly led to increases in floodplain development and the resultant increase in flood risk. The total number of structures at risk of flooding continues to grow, in large part due to changes in the climate, the increase in frequency of flooding, and the reliance on the use of Flood Insurance Rate Maps (FIRMSs) for floodplain regulatory purposes. Areas “protected” by levees which are accredited for purposes of the National Flood Insurance Program 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 approved Goals and Objectives, the 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, and 3) assist with the Increase in the Effectiveness and Efficiency of the ASFPM Operations, Management, and Board of Directors. Emphasis on reducing flood risk must be high priority within any decision that affects existing structures or new structures. Within the confines of the flood risk equation that states that flood risk is equal to the product of flood frequency times the flood consequences, emphasis must shift from measures that focus on reducing flood frequency (structural measures) to those 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 plans of this committee for the time period 2018-2019 are 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:

1. Participate in ASFPM Policy Committee conference calls and annual retreat.
2. Attend Policy Committee Chair Meeting at the annual conference and conduct an annual committee meeting at the national conference.
3. Organize and facilitate regular committee conference calls
4. Provide leadership to the committee throughout the year, especially to complete tasks contained within the work plan.
5. Prepare annual reports and develop the work plan. The current Nonstructural/Flood Proofing Committee Work Plan contains 8 work items that the committee will advance during the coming year.

The work items are as follows:

1. Develop an informational brochure that promotes and supports the use of low cost mitigation measures for residential structures.
2. Develop talking/discussion points for the Executive Office 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.
3. Continue to seek opportunities to implement post-flood and pre-flood workshops regarding nonstructural mitigation.
4. Maintain good committee presence at the annual ASFPM conference.
5. Enhance the committee's website for more effective communication.
6. Develop a discussion paper on a potential process for building back smarter and more resilient after an event has occurred.
7. Develop an outline for a discussion paper concerning structures not currently in compliance due to sea level rise and/or Affordability Act.
8. Monitor and coordinate with other organizations around the world with regards to other nonstructural/flood proofing techniques.

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Work Item 1

Task Title: Develop Informational Brochure that promotes Alternative, Low Cost, Flood Proofing Measures	Task Leader: French Wetmore
Support: George, Randy	
Approximate Start/End Date: September 2017 thru December 2018	Approximate # Hrs to Complete: unknown
Detailed Task Description: Develop an Informational brochure that promotes and supports Section 26 of the Affordability Act that recognizes alternative flood proofing measures.	
Prerequisites Needed: (Activities That Need To Be Performed Before This Task Can Begin)	
Other Policy Committees/entities to Engage for this Task: Executive Office, Insurance, Mitigation, Floodplain Regulations	
Completion Schedule: June 2018 draft outline and December 2018 complete a draft brochure.	
Deliverables: Informational brochure promoting the use of dry flood proofing and other low cost mitigation measures on residential structures.	
Other Necessary Support or Resources: none	
Approximate Direct Cost to Complete: (Labor and Non-Labor) Potential for printing cost once completed.	
Approval Process: (Does The Task Require Board Approval?) Maybe	
Assumptions: none	
Prepared by/ Date: Manny Perotin/Randy Behm September 21, 2018	Approved By/ Date:

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Work Item 2

Task Title: Develop Talking/Discussion Points on a New definition for Dry Flood Proofing	Task Leader: Manny Perotin
Support: Bill Coulbourn	
Approximate Start/End Date: January 2018 thru December 2018	Approximate # Hrs to Complete: Unknown
Detailed Task Description: Develop a list of talking points/proposals for the ASFPM Executive Office 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)	
Other Policy Committees/entities to Engage for this Task: Mitigation, Floodplain Regulations, Flood Insurance	
Completion Schedule: Develop talking points for ASFPM Executive Office through December 2018	
Deliverables: Talking points for ASFPM Executive Office	
Other Necessary Support or Resources:	
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 September 21, 2018	Approved By/ Date:

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Work Item 3

Title: Continue to Implement a program of pre and post Nonstructural/Flood Proofing Workshops.	Task Leader: Randy Behm, Manny Perotin
Approximate Start/End Date: On Going	Approximate # Hrs to Complete: Unknown
Detailed Task Description: Continue to develop and promote these workshops. Work with the ASFPM Executive Office, Corps of Engineers, and FEMA to maintain funding for these workshops in areas where flooding occurred and a Presidential Disaster has been declared. Also conduct pre- flood workshops whenever interest exists. Consider developing materials the Committee can provide State Chapters immediately following a disaster.	
Prerequisites Needed: (Activities That Need To Be Performed Before This Task Can Begin) Work with ASFPM Executive Office, Corps of Engineers, and FEMA to provide materials and instructors for workshops.	
Other Policy Committees/entities to Engage for this Task: Flood Mitigation and the Training/Outreach/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 providing the workshops.	
Other Necessary Support or Resources:	
Approximate Direct Cost to Complete: (Labor and Non-Labor)	
Approval Process: (Does The Task Require Board Approval?) none	
Assumptions: None	
Prepared by/ Date: Manny Perotin/Randy Behm September 21, 2018	Approved By/ Date:

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Work Item 4

Task Title: Committee Participation at the 2019 ASFPM National Conference	Task Leader: Manny Perotin Randy Behm
Approximate Start/End Date: September 2018 thru June 2019	Approximate # Hrs to Complete: unknown
Detailed Task Description: Conduct a committee meeting and an Early Bird Session. Engage new membership for the committee.	
Prerequisites Needed: (Activities That Need To Be Performed Before This Task Can Begin) Submit abstracts on time; request meeting rooms for Committee meeting and Early Bird Session.	
Other Policy Committees/entities to Engage for this Task: none	
Completion Schedule: ASFPM 2019 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 labor	
Approval Process: (Does The Task Require Board Approval?) none	
Assumptions: None	
Prepared by/ Date: Manny Perotin/Randy Behm September 21, 2018	Approved By/ Date:

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Work Item 5

Task Title: Enhance the Committee Website	Task Leader: Randy Behm
Approximate Start/End Date: On going	Approximate # Hrs to Complete: unknown
Detailed Task Description: Review the existing website and modify to provide information together with 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) None	
Other Policy Committees/entities to Engage for this Task: none	
Completion Schedule: ongoing	
Deliverables: Provide draft website information to ASFPM Executive Office in order to enhance the committee website.	
Other Necessary Support or Resources: ASFPM Executive Office	
Approximate Direct Cost to Complete: (Labor and Non-Labor) Executive Office 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 September 21, 2018	Approved By/ Date:

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Work Item 6

Task Title: Develop a Discussion Paper on “Process to Build Back Smarter”	Task Leader: Julie Beller
Support: French, Rod, and Elizabeth	
Approximate Start/End Date: March 2018 thru March 2019	Approximate # Hrs to Complete: unknown
Detailed Task Description: To develop a Discussion Paper with a process outline to submit to ASFPM Executive Office concerning building back safer and smarter after a disaster occurs.	
Prerequisites Needed: (Activities That Need To Be Performed Before This Task Can Begin) none	
Other Policy Committees/entities to Engage for this Task: Risk Communication & Outreach, Mitigation Committee	
Completion Schedule: March 2019 have an internal Committee draft Discussion Paper.	
Deliverables: Internal Discussion Paper	
Other Necessary Support or Resources: none	
Approximate Direct Cost to Complete: (Labor and Non-Labor)	
Approval Process: (Does The Task Require Board Approval?) No	
Assumptions: none	
Prepared by/ Date: Manny Perotin/Randy Behm September 21, 2018	Approved By/ Date:

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Work Item 7

Task Title: Develop an Outline for a Discussion Paper concerning Structures Not in Compliance Due to Sea Level Rise and/or Affordability Act	Task Leader: Rod Scott
Approximate Start/End Date: March 2018 thru February 2019	Approximate # Hrs to Complete: Unknown
Detailed Task Description: Develop an Outline for a Discussion Paper on the number of structure and their value that are out of compliance in 1% annual exceedance floodplain with emphasis on coastal areas due to the projected impact of sea level rise and/or the Affordability Insurance Act. This Outline will be submitted to ASFPM Executive Office in order for Science Services Branch to develop a Discussion Paper.	
Prerequisites Needed: (Activities That Need To Be Performed Before This Task Can Begin)	
Other Policy Committees/entities to Engage for this Task: Floodplain Regulations, Coastal Issues	
Completion Schedule: Draft Discussion Paper by December 31, 2018 and final paper by February 2019	
Deliverables: Discussion Paper.	
Other Necessary Support or Resources:	
Approximate Direct Cost to Complete: (Labor and Non-Labor) None Volunteer Services	
Approval Process: (Does The Task Require Board Approval?)	
Assumptions: None	
Prepared by/ Date: Manny Perotin/Randy Behm September 21, 2018	Approved By/ Date:

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Work Item 8

Task Title: Monitor and coordinate with other organizations around the world	Task Leader: Adam Reeder
Support: Manny Perotin	
Approximate Start/End Date: Ongoing	Approximate # Hrs to Complete: Unknown
Detailed Task Description: Monitor and coordinate with other organizations around the world that promote education, policies and activities that mitigate current and future losses, costs and human suffering caused by flooding. In particular share lessons learned with colleagues in the UK who are capturing lessons learned from flood proofing projects and products.	
Prerequisites Needed: (Activities That Need To Be Performed Before This Task Can Begin)	
Other Policy Committees/entities to Engage for this Task: Mitigation	
Completion Schedule: Ongoing, with annual out brief through committee	
Deliverables: Provide background information to the Committee and possibly talking points for the ASFPM Executive Office during scheduled out briefs.	
Other Necessary Support or Resources:	
Approximate Direct Cost to Complete: (Labor and Non-Labor)	
Approval Process: (Does The Task Require Board Approval?) None	
Assumptions: None	
Prepared by/ Date: Manny Perotin/Randy Behm September 21, 2018	Approved By/ Date: