

## PUBLIC MEETING ANNOUNCEMENT

**Title:** 2nd Annual Probabilistic Flood Hazard Assessment Workshop

**Date(s) and Time(s):** January 23, 2017, 01:00 PM to 05:00 PM  
January 24, 2017, 08:00 AM to 05:00 PM  
January 25, 2017, 08:00 AM to 05:00 PM

**Location:** NRC Two White Flint North, Auditorium  
11545 Rockville Pike  
Rockville, MD

**Category:** This is a Category 2 meeting. The public is invited to participate in this meeting by discussing regulatory issues with the Nuclear Regulatory Commission (NRC) at designated points identified on the agenda.

**Purpose:** The purpose of this workshop is to inform internal NRC stakeholders, partner federal agencies, industry, and the general public about PFHA research being conducted by the NRC Office of Research and the Electric Power Research Institute under a NRC-EPRI MOU on Collaborative Nuclear Safety Research. NRC licensing staff and industry representatives will present their perspective PFHA research needs and priorities. Technical presentations will be given by NRC and EPRI contractors and staff. Partner Federal agencies will be invited to take part in a panel discussing and taking questions on their PFHA research and development programs. Technical presentation will include time for clarifying questions. General questions and answers periods will be scheduled at the end of each day for feedback and generic questions about research related to PFHA for nuclear facilities.

**Contact:** Meredith Carr  
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[Meredith.Carr@nrc.gov](mailto:Meredith.Carr@nrc.gov)

**Teleconference:** Bridge Number (415) 655-0060 Pass Code 432396182#

**Webinar:** URL <https://attendee.gotowebinar.com/register/2336988154289086722> Meeting Number 714-355-091 Password none

**Comments:** The NRC requests interested members of the public to contact Meredith Carr as soon as possible to pre-register before the meeting or register online for the webinar. Copy and paste the webinar URL into your browser and register to receive the link to join the webinar.

For the meeting info:  
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML16356A451>

## PUBLIC MEETING AGENDA

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			-	<b>Draft Agenda: Monday, January 23rd, 2017</b>	
				<b>Topic</b>	<b>Speaker</b>
				<b>Session 1A: Introduction</b>	
13:00	-	13:10		Welcome	
13:10	-	13:25		Introduction by Mike Weber, Director, Office of Nuclear Regulatory Research	
13:25	-	13:45		Flooding Research Needs: Office of Nuclear Reactor Regulation Perspective	NRC/NRR
13:45	-	14:05		Flooding Research Needs: Office of New Reactors Perspective	NRC/NRO
14:05	-	14:40		Flooding Research Needs: NEI Task Force Perspective	NEI Task Force
14:40	-	14:55		NRC Flooding Research Program Overview	NRC/RES
14:55	-	15:10		EPRI Flooding Research Program Overview	EPRI
15:10	-	15:25		<b>BREAK</b>	
				<b>Session 1B: Storm Surge Research</b>	
15:25	-	16:05		Quantifying Uncertainties in Probabilistic Storm Surge Models	USACE
16:05	-	16:45		Probabilistic Flood Hazard Assessment – Storm Surge	EPRI
16:45	-	17:05		<b>Daily Wrap-up and Public Comments/Questions</b>	
				<b>Draft Agenda: Tuesday, January 24<sup>th</sup>, 2017</b>	
				<b>Topic</b>	<b>Speaker</b>
				<b>Session 2A: Climate and Precipitation</b>	
8:00	-	8:05		Day 2 Intro	TBD
8:05	-	8:40		Regional Climate Change Projections: Potential Impacts to Nuclear Facilities	PNNL
8:40	-	9:20		Numerical Modeling of Local Intense Precipitation Processes	USGS/UC Davis
9:20	-	9:55		Extreme Precipitation Frequency Estimates for Orographic Regions	USBR
9:55	-	10:10		<b>BREAK</b>	
10:10	-	10:50		Local Intense Precipitation Frequency Studies	EPRI
				<b>Session 2B: Leveraging Available Flood Information I</b>	
10:50	-	11:20		Development of Flood Hazard Information Digests for Operating NPP sites	INL
11:20	-	12:00		Guidance on Application of State-of-Practice Flood Frequency Analysis Methods and Tools	USGS
12:00	-	12:30		Extending Frequency Analysis Beyond Current Consensus Limits	USBR
12:30	-	13:45		<b>LUNCH</b>	
				<b>Session 2C: Leveraging Available Flood Information II</b>	
13:45	-	14:25		Collection of Paleoflood Evidence	EPRI
14:25	-	15:05		Eastern US Riverine Flood Geomorphology Feasibility Study	USGS
15:05	-	15:20		<b>BREAK</b>	
				<b>Session 2D: Reliability of Flood Protection and Plant Response to Flooding Events I</b>	
15:20	-	16:00		EPRI Flood Protection Project Status	EPRI
16:00	-	16:40		Performance of Penetration Seals	Fire Risk Management
16:40	-	17:00		<b>Comments/Questions from Public</b>	
17:00	-	17:10		<b>Daily Wrap-up</b>	
				<b>Draft Agenda: Wednesday, January 25<sup>th</sup>, 2017</b>	
				<b>Topic</b>	<b>Speaker</b>
				<b>Session 3A: Reliability of Flood Protection and Plant Response to Flooding Events II</b>	
8:00	-	8:05		Day 3 Intro	TBD
8:05	-	8:45		Effects of Environmental Factors on Manual Actions for Flood Protection and Mitigation at Nuclear Power Plants	PNNL
8:45	-	9:25		Modeling Total Plant Response to Flooding Events	INL
				<b>Session 3B: Frameworks</b>	
9:25	-	10:05		Technical Basis for Probabilistic Flood Hazard Assessment	PNNL
10:05	-	10:20		<b>BREAK</b>	
				<b>Session 3C: Frameworks II</b>	
10:20	-	11:00		Evaluation of Deterministic Approaches to Characterizing Flood Hazards	EPRI
11:00	-	11:40		Probabilistic Flood Hazard Assessment Framework Development	USACE
11:40	-	12:20		Riverine Flooding and Structured Hazard Assessment Committee Process for Flooding (SHAC-F)	PNNL/ Coppersmith Consulting
12:20	-	13:35		<b>LUNCH</b>	
				<b>Session 3D: Panel Discussion</b>	
13:35	-	15:05		PFHA Research Activities in Partner Agencies	Various
15:05	-	15:20		<b>BREAK</b>	
				<b>Session 3E: Future Work in PFHA</b>	
15:20	-	15:50		Future Work in PFHA at EPRI	EPRI
15:50	-	16:20		Future Work in PFHA at NRC	NRC
16:20	-	16:40		<b>Public Comments/Questions</b>	
16:40	-	16:55		<b>Final Wrap-up</b>	

The time of the meeting is local to the jurisdiction where the meeting is being held.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If reasonable accommodation is needed to participate in this meeting, or if a meeting notice, transcript, or other information from this meeting is needed in another format (e.g., Braille, large print), please notify the NRC meeting contact. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

ADAMS Accession Number: ML17023A069

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Link to meeting details: <http://meetings.nrc.gov/pmns/mtg?do=details&Code=20161594>