

November 20, 2014

NOTE TO COMMISSIONERS' ASSISTANTS

OCM/AMM

cc Philip Niedzielski-Eichner
cc Shana Helton
____ Susan Vraforetis
____ Clare Kasputys
X John Jolicoeur
X Nanette Gilles
____ Marshall Kohen
X Michael Waters
____ Kimyata Morgan Butler
____ Mary Woollen
____ Jennifer Schwartzman
____ Ashley Bettis
____ Catina Goode
____ Patti Pace
____ D. Andrea Cermeno

OCM/KLS

____ Patrice Bubar
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X Patrick Castleman
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____ Nicole Riddick

OCM/JMB

____ Amy Powell
____ Jody Martin
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X Raeann Shane
____ Renee Taylor
____ Stacy Schumann

OCM/WCO

____ Eric Benner
____ Molly B. Marsh
X Amy Cabbage
X Tamara Bloomer
____ Linda Herr
____ Sunny Bozin

OCM/SGB

____ Jason Zorn
X Steven Baggett
____ Kathleen Blake

FROM: Melanie A. Galloway **/RA/**
Assistant for Operations, OEDO

SUBJECT: PROBABILISTIC FLOOD HAZARD ASSESSMENT RESEARCH PLAN

The Staff Requirements Memorandum (SRM) M140106B titled "Briefing on Flooding and Other Extreme Weather Events," and signed on January 14, 2014, directed the staff to provide the flood hazard assessment research plan to the Commission for information. The SRM also directed the staff to inform the Commission whether adequate resources are available to implement the plan in a reasonable timeframe.

The flood hazard assessment research plan (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14296A442) is enclosed. The plan is structured in three phases. Phase 1 will provide the technical bases and analytical tools to support probabilistic analysis of flood hazards. Phase 2 will test these tools against three case studies: two on riverine systems and one on an ocean site. Phase 3 will provide regulatory guidance for use of the developed analytical tools.

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Additionally, the plan contains provisions for continued coordination among the licensing and research staff and periodic meetings with staff, contractors, and the agency's federal partners to support implementation of the plan.

Resources currently included in the Fiscal Year (FY) 2015 current estimate and those proposed for FY 2016 are sufficient to complete approximately 40 percent of the Phase 1 technical bases and analytical tools development work. The remaining Phase 1 work is expected to end in FY 2019. Phase 2 activities on the case studies will be initiated in FY 2019 and are expected to conclude in FY 2022. Phase 3 activities on the development of regulatory guidance are planned to start in FY 2021 and are expected to conclude in FY 2022. Resources needed to support the flood hazard assessment research plan beyond FY 2016 will be addressed during the budget development for FY 2017 - 2022.

Enclosure:

Probabilistic Flood Hazard Assessment Research Plan (Version 2014-10-23)

cc:	M. Satorius, EDO	SECY
	R. Zimmerman, Acting DEDMRT	OGC
	M. Johnson, DEDR	OCA
	D. Ash, DEDCM	OPA
	M. Weber, DEDO	OIP
	M. Galloway, AO	OIS
	K. Brock, OEDO	CFO
	C. Rosales-Cooper, OEDO	EDO R/F
	Y.-J. Chen, OEDO	
	B. Sheron, RES	
	R. Corriea, RES	
	G. Tracy, NRO	
	W. Dean, NRR	
	C. Haney, NMSS	
	M. Dudek	
	C. Santos	