

# National Earthquake Hazards Reduction Program

*... a research and implementation partnership*

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## Program Update

Advisory Committee on Earthquake Hazards Reduction

9-10 April 2015



FEMA

NIST  
National Institute of  
Standards and Technology



USGS  
science for a changing world

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national **earthquake** hazards reduction program

# Outline

- ACEHR
- Budgets
- Legislation status
- Annual report
- Program planning activities
- Related activities
- Secretariat activities

*This presentation provides NEHRP-wide & Secretariat updates.*

*Each agency will provide details on its activities.*



# ACEHR Update

Welcome to  
new ACEHR  
members  
Lori Peek  
&  
Lisa Ludwig!



## Continuing members:

Ralph Archuleta  
Jane Bullock  
Craig Davis  
John Gillengerten  
Jim Goltz  
Nathan Gould  
Bob Herrmann  
John Hooper  
Laurie Johnson (Chair)  
Ron Lynn  
Peter May  
Jack Moehle  
Ken Stokoe  
Mary Lou Zoback

ACEHR last met on 18-19 August 2014, at the USGS National Earthquake Information Center (NEIC) in Golden, CO.

Reminder: Current travel funding ceilings restrict face-to-face meetings to once per year!



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# 2005-2010 NEHRP Agency Budgets

Enacted Agency NEHRP Budgets (\$M) <sup>1</sup>					
FY	FEMA <sup>2</sup>	NIST <sup>3</sup>	NSF <sup>4</sup>	USGS <sup>5</sup>	NEHRP Total
2005	14.7	0.9	53.1	58.3	127.0
2006	9.5	0.9	53.8	54.5	118.7
2007	7.2	1.7	54.2	55.1	118.2
2008	6.1	1.7	53.6	58.1	119.5
2009	9.1	4.1	56.0	61.2	130.4
2010	9.0	4.1	55.0	62.8	130.9

## Notes:

1. USGS budget reflects amount appropriated for USGS NEHRP activities. FEMA, NIST, & NSF budgets reflect agency allocations for NEHRP activities from total agency appropriations. Budgets shown were reported by agencies as of 03/31/15. 2009 ARRA funds are not included in totals. Amounts are reported to nearest \$0.1M.
2. FEMA 2005 enacted NEHRP budget included program activities and employee salaries & expenses (S&E). FEMA 2005-2009 NEHRP budgets excluded state grants. FEMA 2006-2015 NEHRP budgets cover all program activities, excluding S&E costs.
3. NIST NEHRP budget supports expenses for both NEHRP Secretariat (Lead Agency) and NIST Earthquake Risk Reduction in Buildings & Infrastructure R&D Program.
4. NSF NEHRP budget supports program activities, excluding Agency Operations and Award Management (AOAM) costs. NSF FY 2005-2014 NEHRP budget included support for George E. Brown, Jr. Network for Earthquake Engineering Simulation and Global Seismographic Network, but excluding *EarthScope* activities. NSF FY 2015 budget includes support for the Global Seismographic Network and the earthquake engineering portion of the Natural Hazards Engineering Research Infrastructure, but excludes *Earthscope* activities.
5. USGS budget supports program activities, including the USGS portion of the Global Seismographic Network.

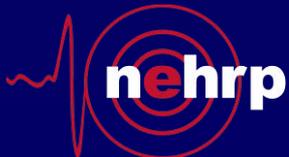


# 2011-2015 NEHRP Agency Budgets

Enacted Agency NEHRP Budgets (\$M) <sup>1</sup>					
FY	FEMA <sup>2</sup>	NIST <sup>3</sup>	NSF <sup>4</sup>	USGS <sup>5</sup>	NEHRP Total
2011	7.8	4.1	55.3	61.4	128.6
2012	7.8	4.1	53.2	59.0	124.1
2013	7.8	3.9	52.2	55.6	119.5
2014	7.5	3.9	42.0	58.7	112.1
2015	7.4	3.9	52.2	64.4	127.9

Notes:

1. USGS budget reflects amount appropriated for USGS NEHRP activities. FEMA, NIST, & NSF budgets reflect agency allocations for NEHRP activities from total agency appropriations. Budgets shown were reported by agencies as of 03/31/15. 2009 ARRA funds are not included in totals. Amounts are reported to nearest \$0.1M.
2. FEMA 2005 enacted NEHRP budget included program activities and employee salaries & expenses (S&E). FEMA 2005-2009 NEHRP budgets excluded state grants. FEMA 2006-2015 NEHRP budgets cover all program activities, excluding S&E costs.
3. NIST NEHRP budget supports expenses for both NEHRP Secretariat (Lead Agency) and NIST Earthquake Risk Reduction in Buildings & Infrastructure R&D Program.
4. NSF NEHRP budget supports program activities, excluding Agency Operations and Award Management (AOAM) costs. NSF FY 2005-2014 NEHRP budget included support for George E. Brown, Jr. Network for Earthquake Engineering Simulation and Global Seismographic Network, but excluding *EarthScope* activities. NSF FY 2015 budget includes support for the Global Seismographic Network and the earthquake engineering portion of the Natural Hazards Engineering Research Infrastructure, but excludes *Earthscope* activities.
5. USGS budget supports program activities, including the USGS portion of the Global Seismographic Network.



# 2016 Administration-Requested NEHRP Agency Budgets

Requested Agency NEHRP Budgets (\$M) <sup>1</sup>					
FY	FEMA <sup>2</sup>	NIST <sup>3</sup>	NSF <sup>4</sup>	USGS <sup>5</sup>	NEHRP Total
2016	6.5	5.9	54.2	67.8	134.4

## Notes:

1. USGS budget reflects amount requested for USGS NEHRP activities. FEMA, NIST, & NSF budgets reflect planned agency allocations for NEHRP activities from total requested agency appropriations. Budgets shown were reported by agencies as of 03/31/15. Amounts reported to nearest \$0.1M.
2. FEMA planned NEHRP budget includes program activities, excluding employee salaries & expenses (S&E).
3. NIST planned NEHRP budget supports expenses for both NEHRP Secretariat (Lead Agency) and NIST Earthquake Risk Reduction in Buildings & Infrastructure R&D Program. Budget includes \$2.0M Earthquake Risk Reduction allocation from broader Disaster-Resilient Buildings and Infrastructure Initiative in President's 2016 budget request.
4. NSF planned NEHRP budget supports program activities, excluding Agency Operations and Award Management (AOAM) costs. Budget includes support for the Global Seismographic Network and the earthquake engineering portion of the Natural Hazards Research Infrastructure, but excludes *EarthScope* activities.
5. USGS requested budget supports program activities, including the USGS portion of the Global Seismographic Network (\$5.2M).



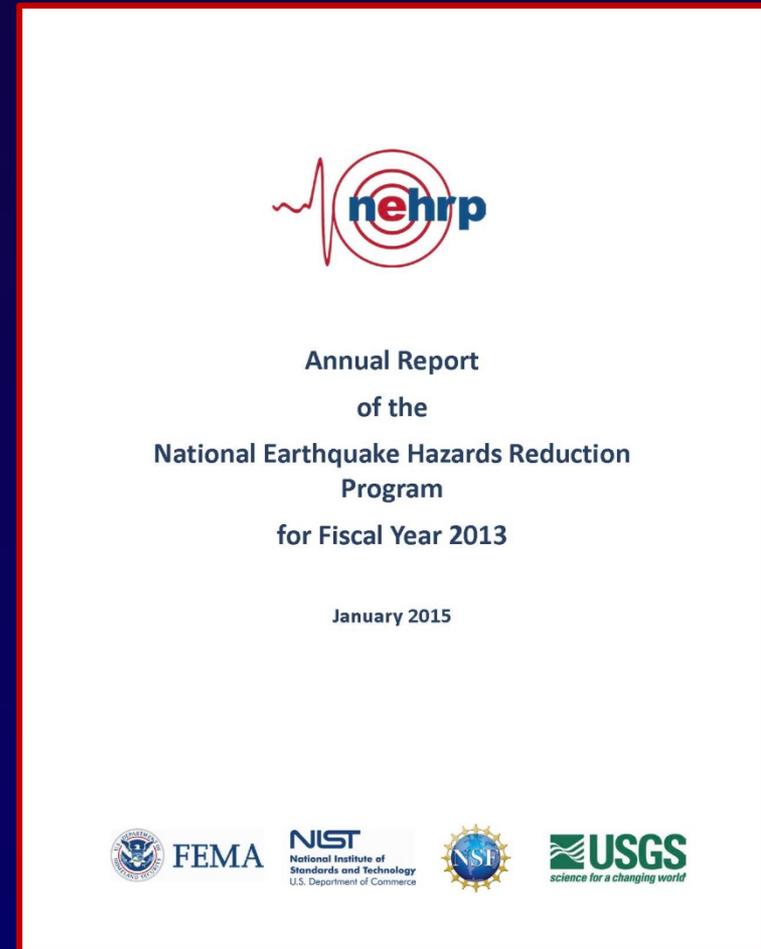
# Legislation Status

- PL 108-360, *National Earthquake Hazards Reduction Program Reauthorization Act of 2004*, remains in effect (though budget authorizations expired 30 September 2009)
- Agencies continuing their ongoing activities since budget authorizations expired
- Last reauthorization hearing conducted by Technology & Innovation Subcommittee of House Science, Space, & Technology Committee on 7 April 2011
- Review hearing conducted by Research & Technology Subcommittee of House Science, Space, & Technology Committee on 29 July 2014



# Annual Report

- Annual report covering FY 2013 activities released in January 2015
- New report on FY 2014 activities is being prepared and will then undergo interagency review



# Recent Program Planning Activity

Lifelines Research &  
Implementation Roadmap complete



NIST GCR 14-917-33

**Earthquake-Resilient  
Lifelines: NEHRP  
Research, Development  
and Implementation  
Roadmap**

NEHRP Consultants Joint Venture  
*A partnership of the Applied Technology Council and the  
Consortium of Universities for Research in Earthquake Engineering*



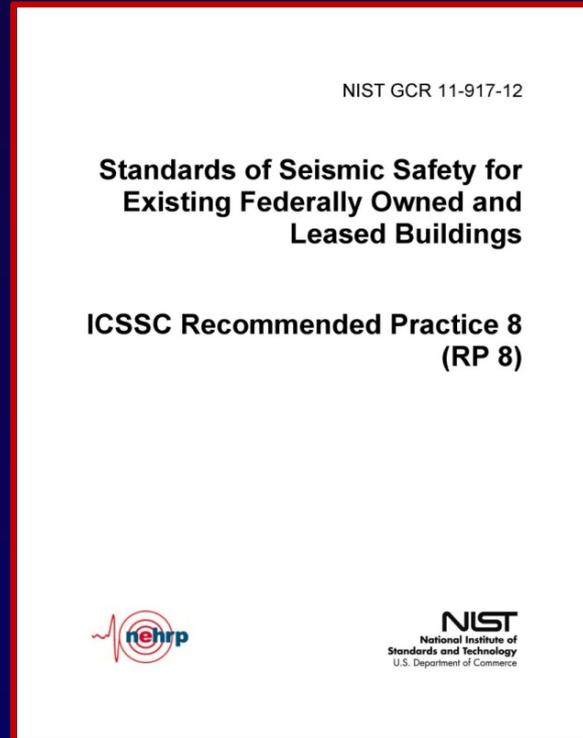
**NIST**  
National Institute of  
Standards and Technology  
U.S. Department of Commerce



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# Related Activities

- NIST Community Resilience Program growing rapidly (formal presentation later today)
- NIST Disaster and Failure Studies Program now housed in Community Resilience Program Group
- Interagency Committee on Seismic Safety in Construction (ICSSC) RP-8, *Standards of Seismic Safety for Existing Federally Owned or Leased Buildings* – plan to update for current code applicability via 2015 task order



# Secretariat Update

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## Our Team:



*Tina Faecke*



*Steve McCabe*

*Felicia Johnson*



We also have a new administrative support contractor, Outreach Process Partners LLC (OPP) on board

