National Earthquake Hazards Reduction Program

... a research and implementation partnership

Program Update

Advisory Committee on Earthquake Hazards Reduction

10 November 2010
Overview

- ACEHR status
- Program developments
- Agency Budgets
- Secretariat activities
- Major agency initiatives
ACEHR Status

- ACEHR last met on 4/28/10 (focused on 2010 report to NEHRP ICC)
- Two resignations: Sharon Wood, Paul Somerville (currently working on replacements)
- Reappointments: Walter Arabasz, Rich Eisner, Chris Poland
- New appointment: Jack Moehle
- ACEHR Charter renewed on 5/24/10
Program Developments

- HR 3820, amended
  - Passed House of Representatives, 3/2/10
  - Referred to Senate Committee on Commerce, Science, and Transportation
  - Awaiting further action in Senate
- Agency budgets not tied to authorizations
- Agencies continuing their ongoing activities ("business as usual")
- “Abbreviated” annual report on 2009 activities just released
- Preparation of 2010 annual report getting underway
# 2005-2011 NEHRP Agency Budgets

## Enacted Agency NEHRP Budgets ($M)

<table>
<thead>
<tr>
<th>FY</th>
<th>FEMA</th>
<th>NIST</th>
<th>NSF</th>
<th>USGS</th>
<th>NEHRP Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>14.7</td>
<td>0.9</td>
<td>53.1</td>
<td>58.4</td>
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<td>2006</td>
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<td>0.9</td>
<td>53.8</td>
<td>54.5</td>
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<td>2007</td>
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<td>1.7</td>
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<td>2008</td>
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<td>1.7</td>
<td>53.6</td>
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<tr>
<td>2009</td>
<td>9.1</td>
<td>4.1</td>
<td>55.0</td>
<td>61.2</td>
<td>129.4</td>
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<tr>
<td>2010</td>
<td>9.0</td>
<td>4.1</td>
<td>55.3</td>
<td>62.8</td>
<td>131.2</td>
</tr>
</tbody>
</table>

## Requested Agency NEHRP Budgets ($M)

<table>
<thead>
<tr>
<th>FY</th>
<th>FEMA</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>9.0</td>
<td>4.1</td>
<td>54.3</td>
<td>62.3</td>
<td>129.7</td>
</tr>
</tbody>
</table>

## Notes:

1. 2009 ARRA funds not included
2. 2011 budget not yet enacted - agencies currently operating under a continuing budget resolution thru 12/3/10
3. NIST budget supports both NEHRP Secretariat and Earthquake Risk Mitigation R&D Program
4. Budget data updated as of 10/29/10
Secretariat Activities (1/2)

- Actively seeking NEHRP Deputy Director (announcement closes 11/26/10) – supports ACEHR recommendation

- Tina Faecke’s reassignment to focus on administrative duties that are related to all statutory programs in NIST Engineering Laboratory (EL)

- Completion of ongoing National Research Council (NRC) effort to develop 20-yr U.S. Earthquake Implementation Roadmap delayed until 3/31/2011

- Plans for early 2011 Interagency Coordinating Committee (ICC) meeting being made

- Addition of NEHRP-generated documents (2,000 +) found in NTIS library to NEHRP Clearinghouse now complete: http://fris2.nist.gov/starweb/nehrp/servlet.starweb?path=nehrp/nehrp.web
Secretariat Activities (2/2)

• Re-engaging Interagency Committee on Seismic Safety in Construction (ICSSC) in activity to update ICSSC RP-6, *Standards of Seismic Safety for Existing Federally Owned or Leased Buildings* (contract via Building Seismic Safety Council – BSSC)

• Refocusing/re-engaging U.S. Japan Cooperative Program in Natural Resources Panel on Wind and Seismic Effects

• Providing limited assistance to DoD as it updates its seismic design criteria

• Related Development: Addition of Disaster and Failure Studies Program Director in new NIST Engineering Laboratory (full presentation to ACEHR planned for Spring 2011 meeting)
Recent Agency Highlights

(More during agency presentations …)

- NSF: Workshops to identify research needs emerging from 2010 Chile and Haiti earthquakes

- USGS: National Earthquake Information Center (NEIC) release of new version of *Prompt Assessment of Global Earthquakes for Response* (PAGER), with rapid order of magnitude estimates of fatalities and economic losses due to strong shaking

- FEMA: Released 2009 Edition of *Recommended Provisions for New Buildings and Other Structures*

- NIST: Major effort (~ $1.2M on contract + in-house activities) to address potential U.S. model building code issues raised by Chile earthquake