

Status of FEMA's Role in the NEHRP

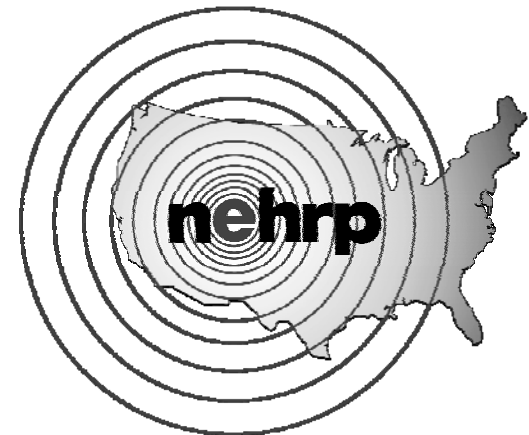
2005 Earthquake Program Managers Meeting

August 16, 2005

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Services Section
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FEMA



FEMA's Role in NEHRP

- FEMA Headquarters appreciates and acknowledges the critical role of the State and Regional Earthquake Program Staff in meeting NEHRP mission and goals
- FEMA's focus is on NEHRP implementation and technology translation
- Authorized funding has been gradually increased in latest reauthorization

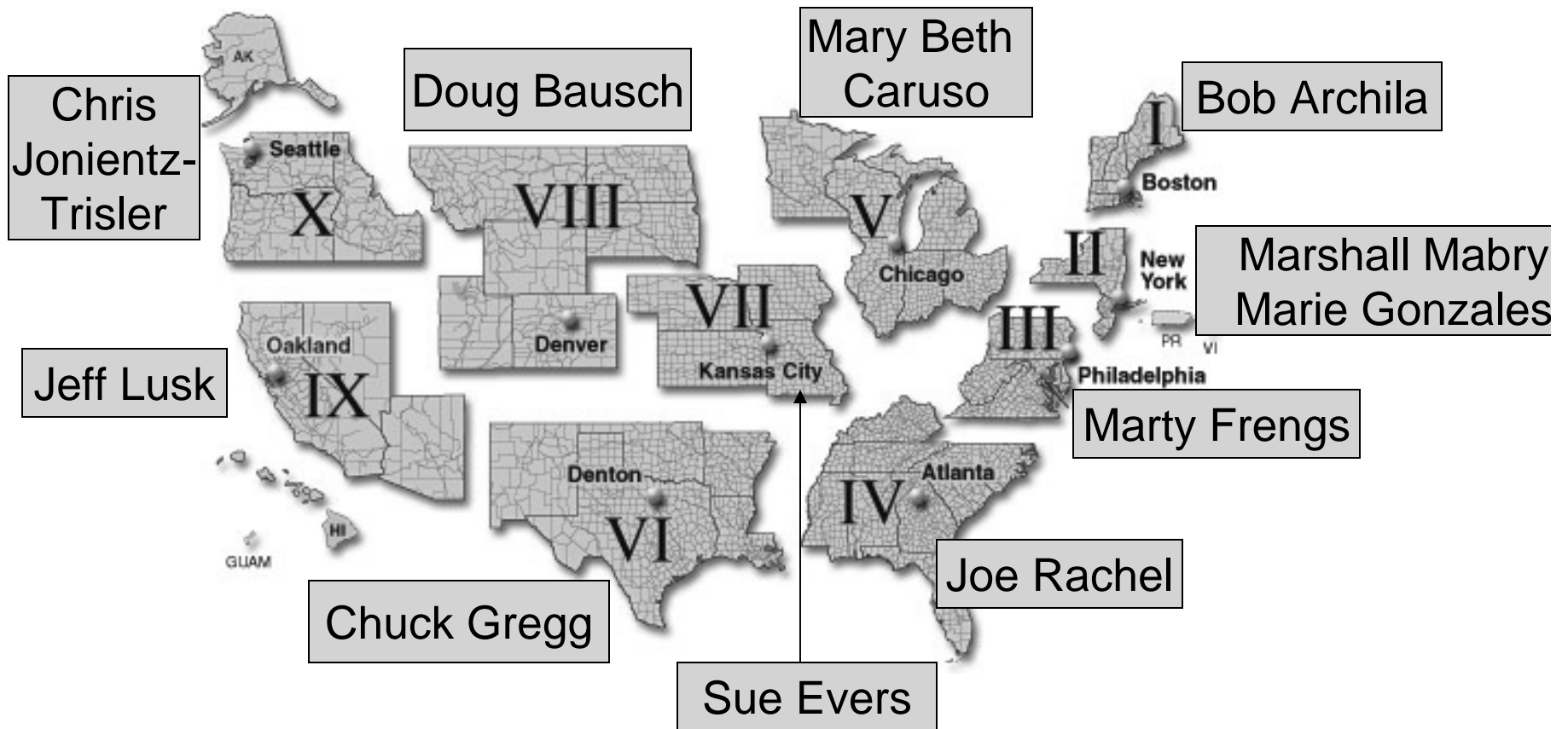


FEMA NEHRP Support Staff

- Cliff Oliver: Risk Assessment Branch Chief
- Ed Laatsch: Section Chief
- Elizabeth Lemersal: Regional NEHRP Issues, Training
- Anita Vollmer: NEHRP Projects, Multi-State Consortia
- Mike Mahoney: Perf. Based Design, Special Studies
- Cathleen Carlisle: Existing Bldgs. Guidance, ICSSC
- John Ingargiola: Multi-Hazard Issues
- Mila Kennett: Man-Made Hazards, EQ Guidance
- Ashvin Shah: New Buildings EQ Guidance



Earthquake Program Regional Staff



Change in NEHRP Lead Agency

- 2004 NEHRP Reauthorization changes lead agency from FEMA to NIST
- This Act also significantly increases NEHRP reporting and oversight requirements
- FEMA and NIST management continue to work through NEHRP lead agency transition issues with a goal of a smooth transition
- Both the House and the Senate expressed strong support for FEMA's tech transfer work in the latest program reauthorization



Lead Agency Transition Activities

- 03-04 NEHRP Biennial Report in OMB for review
- FEMA completing Interim Program Metrics
 - Metrics will be used as basis for measuring FEMA's performance within NEHRP and within DHS/FEMA
- Continued involvement with the Interagency Committee on Seismic Safety in Construction (ICSSC)
- DHS/FEMA has resubmitted a revised "Federal Buildings Report to Congress" to OMB



FEMA Earthquake Program Activities

- NEHRP State Activities
- Regional NEHRP Activities
- Technology Transfer (translating NEHRP research results into practice)
- Support of Multi-State Consortia and other Earthquake Partner Organizations
- Outreach and Training
- National EQ Tech. Assistance Program (NETAP)
- Pre-Disaster Mitigation Program (PDM)



FEMA Implementation Activities

- Quake '06 and 8th National Conference on Earthquake Engineering
- Recent Products and Tools
 - “Putting Down Roots in EQ Country” for Northern California
 - Tsunami Vertical Evacuation Shelter Design Guide
- Support for State Efforts through EMPG
 - Administered by DHS/ODP and pooled with other grants
 - Some States identify and capture this funding source for Earthquake projects



FEMA Implementation Activities

- **Support Multi-State Consortia/Partners**
 - WSSPC, CREW, CUSEC, NESEC, and EERI
 - Develop and disseminate training materials
 - Develop policy recommendations for state and local jurisdictions
 - Facilitate information exchange through conferences and other activities
 - Encourage partnership between public and private sector
- **Training Support**
 - FEMA New Buildings/NEHRP Provisions (FEMA 451)
 - FEMA Existing Buildings Guidance
 - HAZUS Earthquake Module Training



FEMA Implementation Activities

FEMA responsibilities under NEHRP include translating NEHRP research results from the other agencies into practice:

- Develop and disseminate technical and non-technical guidance documents, used on a voluntary basis
- Provide input to recognized consensus standards (ASCE 7, ASCE 31, ASCE 41), adopted on a voluntary basis
- Support the inclusion of FEMA guidance and loss reduction concepts in the nation's model building codes



FEMA Implementation Activities

- National Earthquake Technical Assistance Program (NETAP)
 - FY 05 focus on support for training for State/local partners
 - FEMA Regional office is the POC for State requests
- Pre-Disaster Mitigation Program (PDM)
 - Competitive grants for specific mitigation projects or plans
 - Successful proposals demonstrate both cost benefit and technical feasibility
 - 1st round (FY 03) funded several earthquake-related projects
 - FY 04 and FY05 are funding increased numbers of earthquake projects and plans



FEMA Building Code Activities

- Goal is to develop guidance materials that can be input into the code process, either directly or indirectly through consensus standards
 - Code activities coordinated with other hazards
- FEMA continues to support the building code development process to ensure model codes remain substantially equivalent to the NEHRP Provisions
 - Required under EO 12699
- Work with ICSSC on Federal Buildings issues
 - Ongoing guidance on EO 12941 seismic standards for existing Federally owned/leased buildings



HAZUS Risk Assessment Model

- HAZUS-MH released in 2004 with MR releases scheduled through FY 07 with Version 2 release
- HAZUS earthquake module is the most mature
- FEMA is continuing to promote HAZUS training
 - Basic, Advanced Earthquake, and HAZUS Data Management
- HAZUS Shake Map demo project with USGS distributes real time EQ data to emergency managers
- See HAZUS website: www.fema.gov/hazus



Conclusion

- FEMA continues to carry out NEHRP technology transfer and implementation activities
- As part of DHS, NEHRP implementation activities need to be carried out in an all-hazards environment
- We remain committed to the goal of NEHRP, taking action today to reduce future earthquake losses and the associated loss of life
- FEMA Headquarters appreciates and supports the ongoing work of the State and Regional Earthquake Program Staff





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