

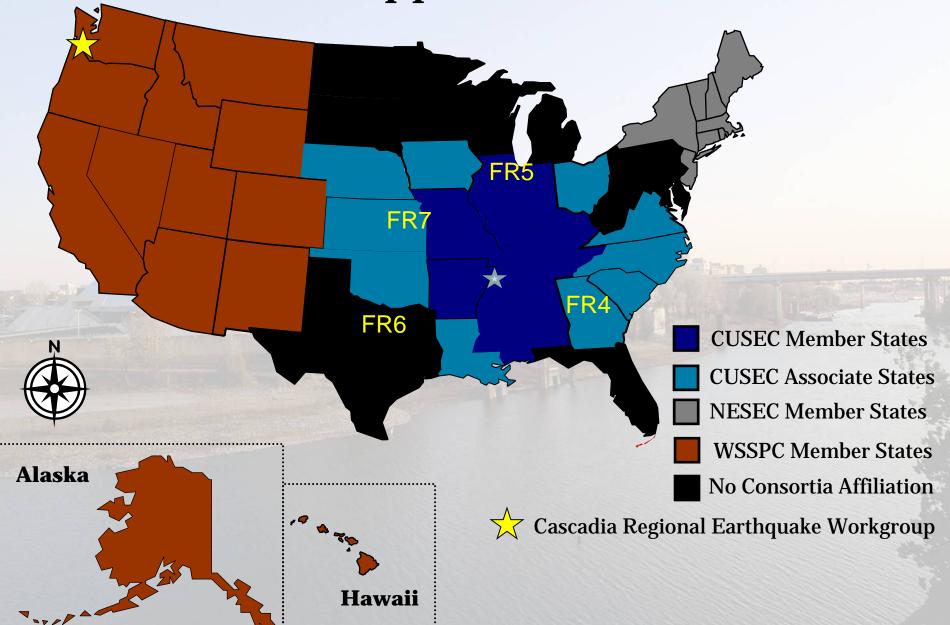
Central United States Earthquake Consortium (CUSEC) Overview

Express



Who's doing what and ways to improve the effort...

FEMA Supported Consortia



Earthquake Program in the Central U.S. Built Around a Shared Hazard

- Small core of dedicated organizations and individuals within – Research, Engineering, and Emergency Management areas
- Weak to moderate relationship on a day to day basis in many cases – stove pipes, professional differences, lack leadership
- CUSEC Emergency Management focused but works to foster closer collaboration among these and other interested parties

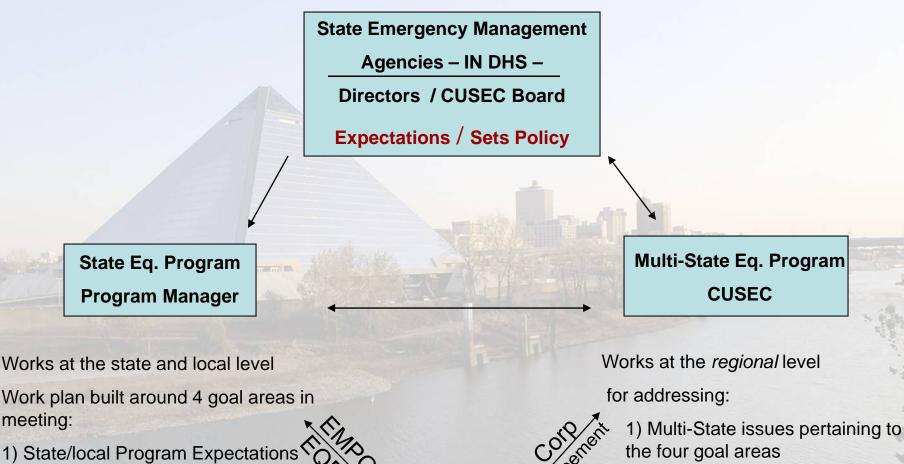


Earthquake Program Built Around A Partnership Approach

- International, Federal, State, Local partners
 - Guatemala
 - Mexico
- Earthquake Centers
 - CERI/Smaller centers
 - Mid-America Earthquake Center
- DHS components
 - S&T
 - Infrastructure Protection
- FEMA Hq and Regions IV, V, VI, VII Response, Recovery, Preparedness & Mitigation Directorates
- Emergency Management Assistance Compact
- Private Sector
 - Utilities
 - Various Vendor
- Business, Industry, and Voluntary Organizations
- Institutions
 - George Washington University/ Virginia Tech
 - Sandia & Argon National Labs

Roles & Relationships

Earthquake Program Within EM in the Central U.S.



FEMA

2) Support of State Eq. Program

2) Needs of the at risk communities

Funding and Program Support HQ & Regions

CUSEC State Earthquake Programs

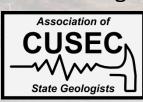
- Each of the 8 CUSEC Member and 4 of the eligible 10 Associate states applied for NEHRP funding
- CUSEC Board Adopted a Common Program Structure
 - Public Awareness and Education
 - Mitigation
 - Response and Recovery Planning
 - Application of Research
- Earthquake Program serves as the hub for carrying out goals e.g. Interaction (Mitigation, Ops, PIO, Exercise, Donations,...), not the subject matter expert, but essential to promoting the NEHRP within other program areas.
- CUSEC Board adopted MAEC Catastrophic Risk Modeling results for use by all program areas

CUSEC State Earthquake ProgramsSample Activities Within Adopted Goal Areas

- Earthquake Awareness Campaign
- Coordinate actions of the seismic advisory council
- Interact with at risk communities on a regular basis to develop needed programs
- Develop/maintain program identity within and outside of agency "Institutionalizing the program"
- Work with other programs to facilitate/coordinate program activities, i.e. PIO's, SHMO, Ops,...
- Foster/coordinate earthquake specific training. e.g. ATC-20/21 -Structural Assessment and Visual Evaluation (SAVE) programs, Pilot Projects
- Work within the CUSEC area to develop multi-state approaches
- Response and recovery planning under FEMA Cat

Central United States Earthquake Consortium

- Non-profit organization formed in 1983 and headquartered in Memphis
 - Role: Address the regional aspects of the seismic hazard while meeting the needs of its member states
 - Mission: "... the reduction of deaths, injuries, property damage and economic losses resulting from earthquakes in the Central United States."
- Board of Directors State EMA Directors
- Eight Member States AL, AR, KY, IL, IN, MO, MS, & TN
 - Ten Associate
- State Earthquake Program Managers
 - Working Groups: State EMA -PIO's, Ops Chiefs, State Hazard Mitigation Officers, Donations/Volunteer planners, Exercise Officers,...
- Organizational Associations
 - Association of CUSEC State Geologists
 - CUSEC State Transportation Task Force
 - State Insurance Commissioners Working Group
- Corporate Sponsors
 - <u>International Paper, Murray State University Center for Telecommunications Systems Management, Ridg-U-Rack Storage Systems, Simpson Strong Tie, Worksafe Technologies</u>
- Cover Four FEMA Regions





CUSEC Goals

- To raise the level of public awareness of the earthquake hazard in the central U.S.
- To promote the adoption of mitigation programs, tools, and techniques to reduce vulnerability
- To foster multi-state planning for response and recovery to a damaging earthquake
- To promote the application of research and lessons learned to improve the level of preparedness

Projects / Activities carried out by the CUSEC at the local, state, and regional level

Awareness & Education

- Brochures, newsletters, pamphlets...
- Earthquake Awareness Week
- Work with states & local gov.'s to encourage adoption / enforcement of building codes
- 1811/12 Bicentennial / Great New Madrid ShakeOut

Mitigation

- Non-structural pilot projects for schools, hospitals, child care facilities...
- Training in Rapid Visual Screening of Buildings for Potential Seismic ATC 21
- Promote the adoption of seismic standards as a key method of risk reduction

Research Application

- Workshops / seminars
- Integrate new information into the earthquake program
- Post Earthquake Clearinghouse

Multi-State Response & Recovery Coordination

- Development of trained volunteers to assist in building assessment ATC-20
- Work with other agencies to develop better response & recovery plans
- New Madrid Catastrophic Planning / Exercise 2011

Sampling of Outreach between May and October 2010

Approximate Number of Publications Distributed

Total Publications Disributed (***Approx.) 7368

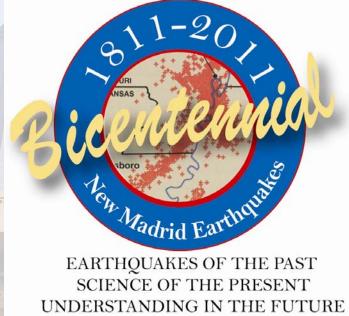
Date	Title of Publication	Туре	Quantity	Distributed To	Organization	State	Audience Type
04/21/10	Yes, You Can Survive an Earthquake	Pamphlet		200 Participants	at Health Fair in MO	МО	General Public
05/15/10	Central US Earthquake Guide	Brochure		50 Myra Biggers	Arkansas Emergency Management	AR	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Charlisa Ussery	Alabama EMA	AL	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Cecil Whaley	Tennessee EMA	TN	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Steve Oglesby	Kentucky EMA	KY	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Joe Romero	Indiana DHS	IN	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Steve Besemer	Missouri SEMA	мо	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Jana Fairow	Illinois EMA	IL	Government
05/15/10	Central US Earthquake Guide	Brochure		50 Suzanne Lewis	Mississippi EMA	AR	Government
06/04/10	Preparing for Earthquakes is Everybody's Business	Flyer		100 Ed Pearce	Federal Reserve	МО	Government
06/04/10	Yes, You Can Survive an Earthquake	Pamphlet		100 Ed Pearce	Federal Reserve	мо	Government
06/15/10	300 Years of Central US Earthquakes	Мар		5 William Johnston	Lincoln University	мо	Academia
06/15/10	Central US Earthquake Guide	Brochure		5 William Johnston	Lincoln University	мо	Academia
06/15/10	Central US Earthquake Guide	Brochure		4 John Steel	Indiana DHS	IN	Government
06/15/10	Central US Map Catalog	Brochure		2 William Johnston	Lincoln University	мо	Academia
06/15/10	CUSEC Prospsectus: A Partnership Effort	Brochure		5 William Johnston	Lincoln University	мо	Academia
06/15/10	CUSEC States Liquefaction Map	Мар		5 William Johnston	Lincoln University	МО	Academia
06/22/10	HAZUS MH MR4 DVD Set	Software		1 Nish Powers	PHD Memphis Engineers	TN	Private Sector
06/22/10	HAZUS MH MR4 DVD Set	Software		1 Joel Johnson	Burrcole Engineers	TN	Private Sector
06/28/10	Central US Earthquake Guide	Brochure		50 Brenda Franklin	Wyman Group	IL	Private Sector
06/28/10	Central US Earthquake Guide	Brochure		350 Vanessa Henson	Reelfoot Lake Tourism Council	TN	Private Sector
06/28/10	Earthquakes: A Guide to Risk Reduction	Pamphlet		50 Brenda Franklin	Wyman Group	IL	Private Sector
06/28/10	Preparing for Earthquakes is Everybody's Business	Flyer		50 Brenda Franklin	Wyman Group	IL	Private Sector
06/29/10	Central US Earthquake Guide	Brochure		50 Workshop Attendees	at Hospital Mitigation Workshop	TN	Mixture
06/29/10	FEMA 396 Incremental Seismic Rehabilitation of Hospital Buildings	Manual		50 Workshop Attendees	at Hospital Mitigation Workshop	TN	Mixture
06/29/10	FEMA 577 Mitigation Considerations for Hospitals	Software		50 Workshop Attendees	at Hospital Mitigation Workshop	TN	Mixture
07/06/10	Central US Earthquake Guide	Brochure		150 Ann Copeland	New Madrid Historical Museum	мо	Nonprofit
07/06/10	Central US Earthquake Guide	Brochure		250 Rick Burgess	FEMA Mitigation (TN Flood Outreach)	TN	Government
07/06/10	Earthquakes: A Guide to Risk Reduction	Pamphlet		250 Rick Burgess	FEMA Mitigation (TN Flood Outreach)	TN	Government
07/13/10	Central US Earthquake Guide	Brochure	2	075 Joe Wainscott	Indiana DHS	IN	Government

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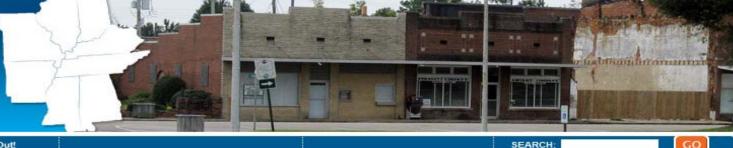


http://newmadrid2011.org/









Welcome to the Great Central U.S. ShakeOut!

Register Now!

News and Events

Media Center

Home

Overview

Resources

Partners

GET READY TO SHAKEOUT!

Register now for the 2011 ShakeOut on April 28 at 10:15 a.m.!*

<u>Participate</u> in the Great Central U.S. ShakeOut to practice how to protect yourself during earthquakes, and to get prepared.

Learn how to participate below.

*(Indiana will ShakeOut on April 19.)



Time to 2011 ShakeOut: 7 months, 16 days 4:37:43

participants

Who is Participating?

ShakeOut Resources:

ShakeOut Drill Manuals, flyers, movies, and much more

Why Drop, Cover, and Hold On?







Earthquake Mitigation Activity

- Earthquake Mitigation in the Central U.S.
 - **Remains Low**
 - Disconnect between state Mitigation Program and the Earthquake Program
 - Difficulties in benefit cost
 - Limited visibility of NEHRP People are not talking up the program
- Spattering of Public Sector Mitigation
 - MLG&W
 - Schools in Arkansas & Illinois
 - Hospital Public area in Indiana

Earthquake "Program" Challenges in the Central U.S.

- Definition of Earthquake "Program" varies
 - Many components of a program basically those found within the NEHRP Agencies
 - Research
 - Engineering
 - Emergency Management
- Program Differences Create Unintentional Challenges
 - State Programs are not aligned with FEMA Mitigation
 - CUSEC and State Earthquake Programs reflect a balance of Public Awareness and Education (in support of all program areas), Mitigation, Response and Recovery Planning, Application of Research.
 - Not in alignment with FEMA NEHRP Funding stream
 - Earthquake mitigation program focus has had limited exposure to local, state, regional, and national earthquake planning efforts
- Need to eliminate the "Why is Mitigation here" in earthquake meetings and workshops
- Disconnect between overall NEHRP and Emergency Management at the state and local level – Little to no visibility beyond FEMA

