



NEW MADRID EARTHQUAKE SCENARIO—An Overview

THE NEW MADRID EARTHQUAKE SCENARIO

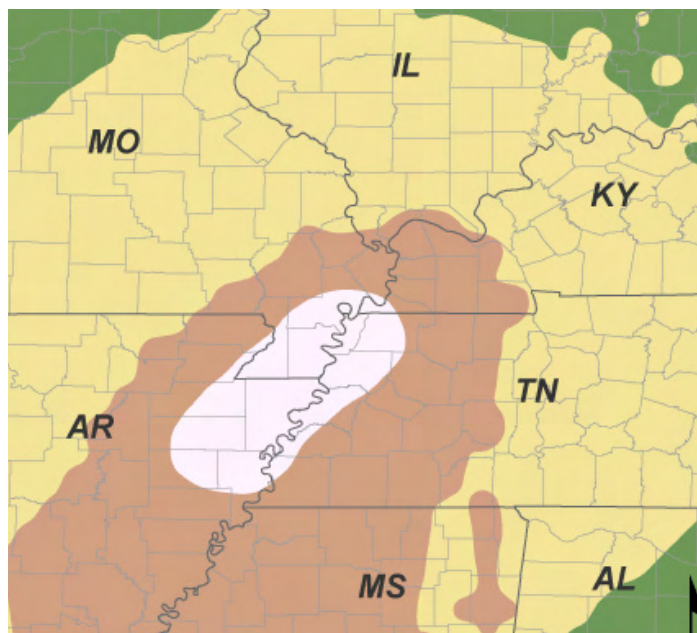
By Dr. Greg Hempen

WHAT IS A SCENARIO?

A scenario is defined as a projected set of events. Scenarios are assessments of a specific potential hazard, herein earthquakes, to determine how it would impact a community. Small events can be assessed more easily because of their specific impacts. Large to great earthquakes affect so many parts of a community that the event's interrelationship of impacts cannot be easily imagined or appraised.

The Earthquake Engineering Research Institute (EERI), a not-for-profit professional society, has been a leader in creating earthquake scenarios. EERI has produced three well-publicized scenarios: Scenario for a Magnitude 7 Earthquake on the Hayward Fault [CA], the Seattle Fault [WA] Scenario, and Quake '06 (related to the continuing risk of the Great San Francisco Earthquake and Fire of 1906). A fourth scenario, Southern San Andreas Fault [CA] Earthquake (SoSAFE) Scenario, is being developed for the Los Angeles region to be completed in 2008.

The New Madrid Chapter of EERI has begun development of the New Madrid Earthquake Scenario. Like Quake '06, the New Madrid Earthquake Scenario is scheduled at an anniversary for completion in February 2012, the Bicentennial of the Great New Madrid Series of Earthquakes. The New Madrid Earthquake Scenario will follow EERI's Guidelines for Developing an Earthquake Scenario (March 2006).



USGS Intensity Map showing a M7.7 Earthquake Scenario on the New Madrid Seismic Zone

BENEFITS OF EARTHQUAKE SCENARIOS

"A well crafted scenario provides a powerful tool for members of private industry, government officials, and the general public to begin to draft mitigation policies and programs" (Guidelines for Developing an Earthquake Scenario, 2006).

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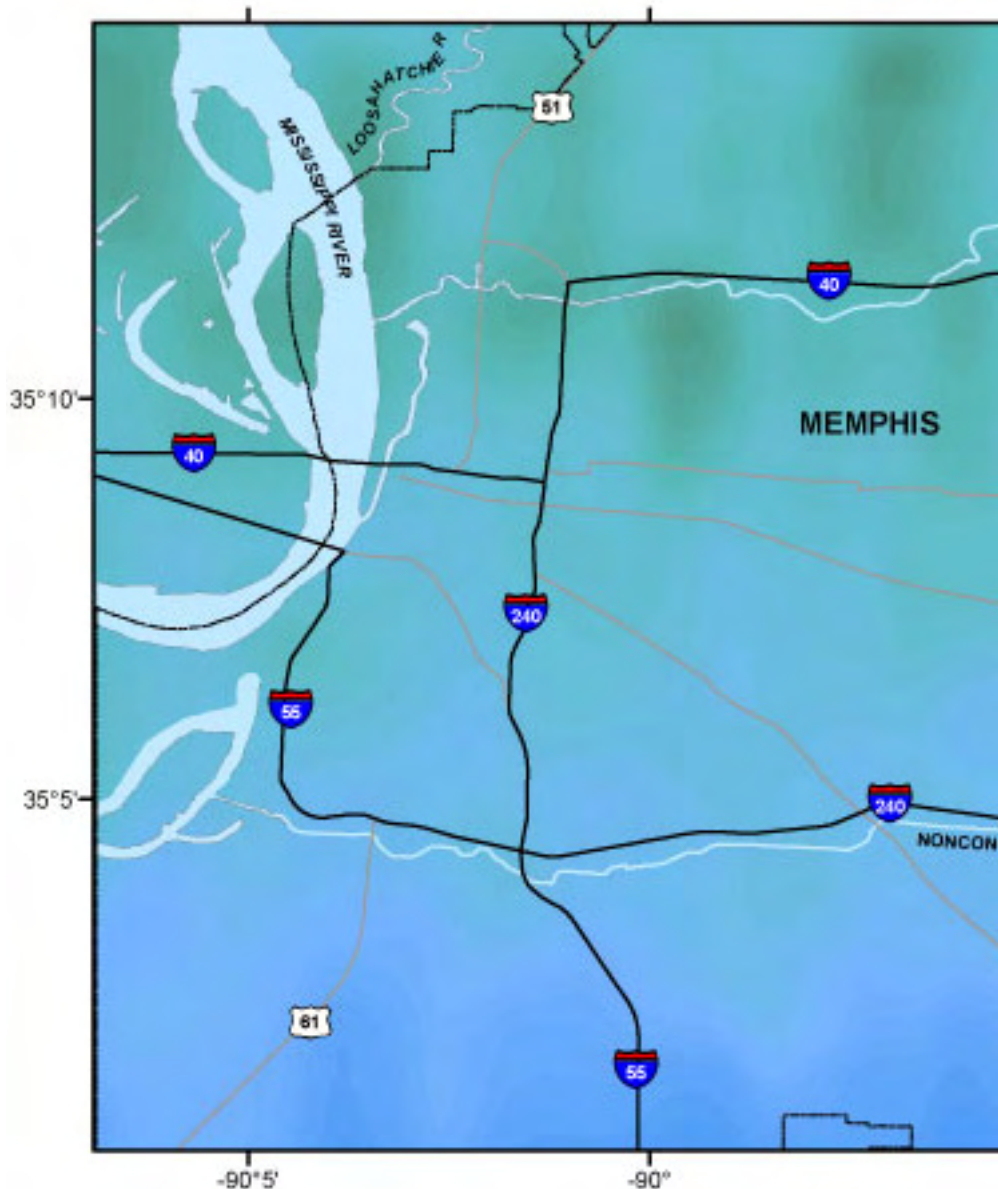
The impacts of large earthquakes affect large areas that terminate public services needed to aid the suffering and displaced. These impaired systems are interrelated in the hardest struck zones. Power lines, water and sanitary lines, and public communication may be lost. Highways, railways, rivers and ports may not allow transportation to the affected region. Critical facilities of fire and police departments and hospitals may be disrupted if not previously improved to resist earthquakes. In short, the general public suffering from the earthquake can neither leave the heavily impacted areas nor receive aid or even communication in the aftermath of a large earthquake. Mass relocation may be required similar to large hurricanes. The central and eastern United States has a much greater area affected by a comparably sized earthquake, as compared to the West Coast.

Scenarios provide an understanding of these difficult and far-reaching impacts. The interrelation and interconnection of major systems can be understood with figures and statistics of impacts. Utilities and government bodies can begin to appraise service needs with forecasts of potential losses. Residents and businesses in the worst impact areas can assess their own consequences and plan for their survival and continuity. Government cannot effectively assist victims if it does not have a forecasted appraisal of whether one thousand or one million individuals would be seriously suffering and displaced.

Both the Seattle Fault Scenario and Quake '06 have helped their communities in metrics for potential large earthquakes. SoSAFE will offer similar advantages in preparation for a late 2008 exercise to test preparedness and plans. Government offices can comprehend the scope of the event at its worst.

Memphis, Shelby Peak Acceleration (%g) for a M7.7 Earthquake

U.S. Geological Survey

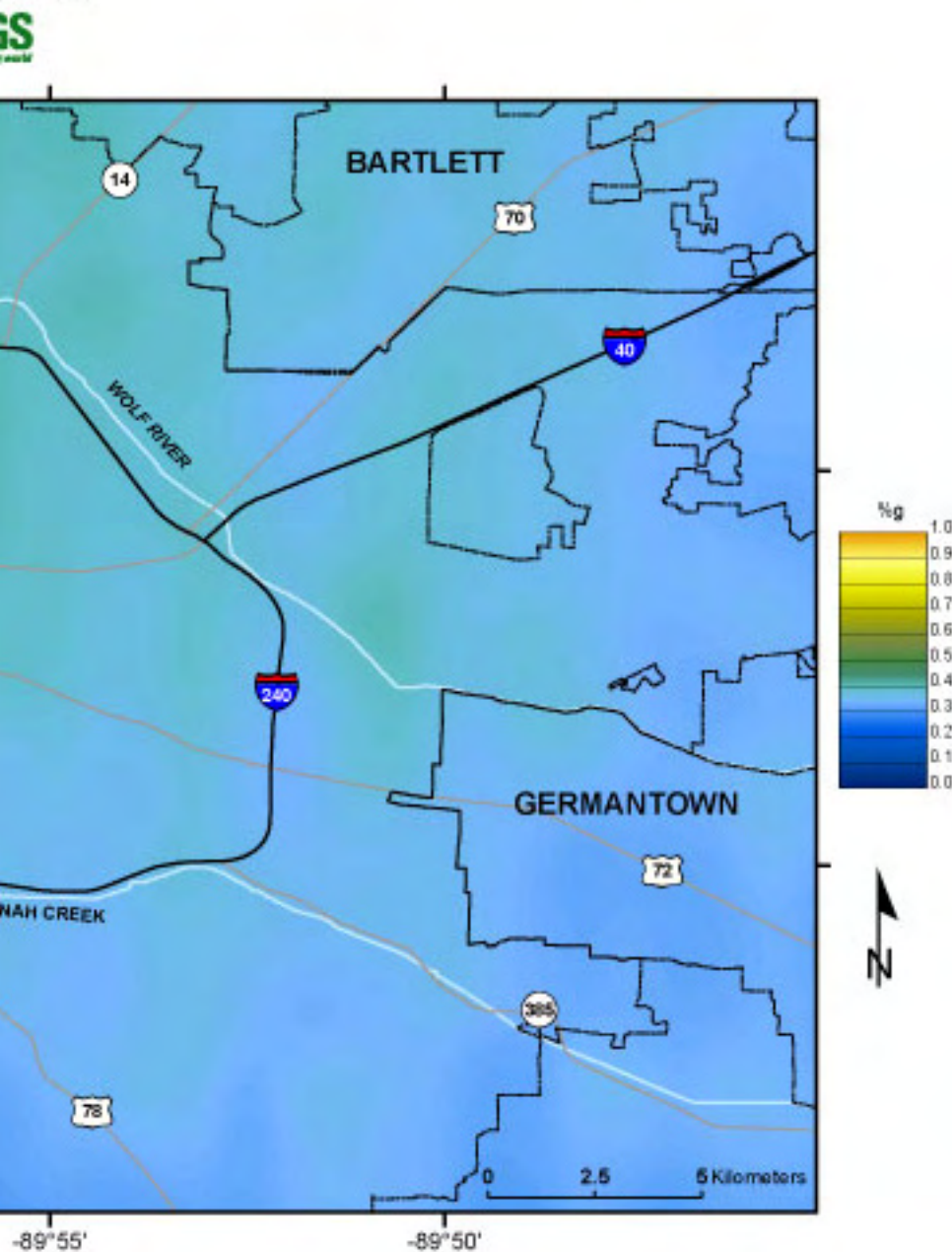


These scenarios allow planning of response and the scope of critical facility needs. Scenarios communicate the loss of transportation corridors so that entering response pathways and evacuation routes may be developed. The data from scenarios allow large scale plans to be addressed that are equivalent to the end. Such information to federal agencies and the states would allow preparation for the severe social, economic and business impacts from a large earthquake.

Co. Hazard

Earthquake Located Northwest of Memphis

Survey



NEW MADRID EARTHQUAKE SCENARIO

The New Madrid Earthquake Scenario is being overseen by a Steering Committee. The Steering Committee has developed planning guidance for the scenario.

Vision: The New Madrid Earthquake Scenario will provide comprehensive impacts from credible earthquakes in the New Madrid Seismic Region. The Scenario will include risk-reduction recommendations for individual, public and corporate interests from future,

Central United States earthquakes.

Mission: The New Madrid Earthquake Scenario is committed to understanding large, Central U.S. earthquakes and their effects. The New Madrid Earthquake Scenario's Team will strive to:

- plan and facilitate workshops or conferences with appropriate government and private organizations and professional societies to develop requested workgroup products
- educate and inform the diverse population within the Central United States Earthquake Consortium region;
- gain acceptance of “all-hazard” mitigation within the CUSEC region;
- improve governmental awareness concerning societal impacts, so that appropriate, cost-effective legislation and preparedness activities may be initiated; and,
- provide appropriate decision-making tools to professional sectors (including design, response, business, and government) and communities within the region.

Action Plan: The New Madrid Chapter of the EERI has undertaken the New Madrid Earthquake Scenario with the aid of CUSEC, the Memphis Office of the U.S. Geological Survey and many other professional organizations. The purpose of the New Madrid Earthquake Scenario is to provide estimates of governmental, social, business, and economic impacts of one or more New Madrid seismic

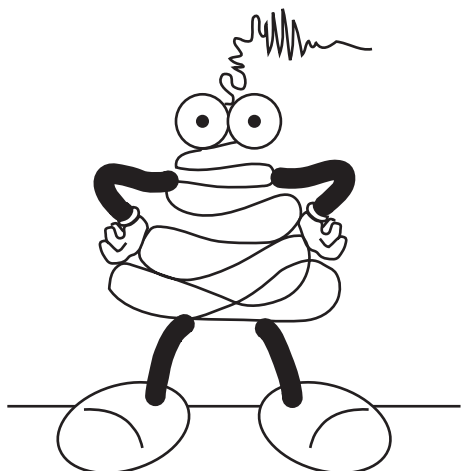
zone earthquakes. The particular earthquake scenario chosen, and the needed scenario products, will be determined by workgroups. These workgroups will include, or may be subgroupings of, the following: geoscience and geotechnical engineering; architecture and structural engineering; federal, state, and local government; response and recovery; utilities and lifelines; business continuity; finance and insurance; and, social impacts and personal economic loss.

This Scenario effort is named for the New Madrid seismic zone, the most severe threat of earthquakes in the region. Other important seismic zones' events may also be considered.

The New Madrid Earthquake Scenario will follow the "Guidelines for Developing an Earthquake Scenario" (EERI, March 2006). The Scenario is intended to provide intermediate data and products, culminating in a report in February 2012, the Bicentennial of the New Madrid Earthquake Series. The first year of the New Madrid Earthquake Scenario project was initiated with a participants' workshop. A second participants' workshop is planned for late 2007 or early 2008. These two workshops are intended to reach the broad base of possible participants (reflecting EERI's broad focus from seismology to sociology) and decide on the working groups. The working groups will recommend scenario products, aid in deciding the "Scenario event," and produce their sector's portion of the New Madrid Earthquake Scenario report.

The exact details of the Scenario have not been appraised as yet. Working groups will resolve the specific issues for the New Madrid Earthquake Scenario. Other activities similar to this Scenario are being conducted by others. The New Madrid Earthquake Scenario will be complementary to other efforts and will avoid confusing the public with differing details to the extent practical for this Scenario.

Any office or individual wishing to be involved with the New Madrid Earthquake Scenario should contact Dr. Greg Hempen, greg_hempen@urscorp.com.



AROUND THE REGION

MEMBER STATE SPOTLIGHT: ARKANSAS



With earthquake program goals in the areas of mitigation, preparedness, response and recovery, Arkansas Department of Emergency Management (ADEM) continues to insure the safety and well being of its citizens from the risk associated with earthquakes in and around the state.

The agency's continued commitment to accomplish the above goals was shown with its participation in Earthquake Awareness Week 2007, which included town hall meetings, school drills, disaster preparedness workshops and post earthquake safety courses. Also during Earthquake Awareness Week 2007, ADEM along with several other state and federal organizations—American Red Cross, Arkansas Department of Health and Human Services and the Department of Homeland Security (DHS)/ Federal Emergency Management Agency (FEMA)—kicked-off its new program Arkansas Seniors Are Prepared (ASAP)—a program created to provide senior adults in Arkansas with disaster preparedness information so they may become better prepared to function in an emergency.

Vice-Chairman of the CUSEC Board of Directors and ADEM Acting State Director David Maxwell, has more than 28 years of experience with the state's agency and more than a 20-year involvement with the Central US earthquake program starting with his attendance at the 1983 signing of the CUSEC charter. His most recent activities included the completion of the state's scenario-driven workshops this past September for the New Madrid Catastrophic Planning Initiative, a

speaker at the Congressional Hazards Caucus Briefing on the New Madrid Fault Zone in June of 2007, and his attendance at the Delta Regional Authority New Madrid Earthquake Meeting in St. Louis in November of 2006.

Earthquake Program Manager, Veronica Villalobos-Pogue, plays an active role in the updating and developing of new awareness and outreach programs. CUSEC works closely with her on coordinating training for pre and post earthquake response and recovery efforts at the local and state level. She also serves on the Arkansas Governor's Earthquake Advisory Council as Secretary/Treasurer. For more information about ADEM and its earthquake program visit www.adem.arkansas.gov.



ADEM Director David Maxwell & ADEM Earthquake Program Manager, Veronica Villalobos-Pogue

ASSOCIATE STATE SPOTLIGHT: SOUTH CAROLINA

The South Carolina Emergency Management Division's (SCEMD) earthquake program provides comprehensive mitigation and preparedness information through education, training and project tasks to reduce loss of life and property damage in the state.

SCEMD co-sponsors the annual Earthquake Awareness Week with activities that include the release of a Governor's Proclamation and Drop, Cover and Hold school drills. The agency also released results of a statewide seismic risk assessment using Hazards United States (HAZUS)—a seismic risk and vulnerability study that showed the broad scope and catastrophic impact another major earthquake would have on the state. This was the first statewide assessment of its kind ever completed in the United States.

SCEMD State Director, Ron Osborne, has worked in emergency management for 15 years, with seven of those years as the director. He has extensive experience in response and recovery and serves as chairman of the State Emergency Response Commission. In her position since 1995, Tammie Dreher, is one of the senior earthquake program managers in the country and remains involved in the development and maintenance of the state's earthquake plan. She also works closely with the University of South Carolina's Seismic Network and the College of Charleston Earthquake Education and Preparedness Program. For more information about SCEMD and its earthquake program visit www.scmd.org



RENEWING PARTNERSHIPS

A delegation with representatives from CUSEC and USGS met on September 5, 2007 with officials of the Centers for Disease Control and Prevention (CDC) to present planning information on the threat in the New Madrid Seismic Zone (NMSZ). The meeting and presentation are part of an effort to re-establish a partnership between CUSEC and the CDC that has been dormant since the 1990's.

The day began with a meeting between the CUSEC Executive Director, the Director and Deputy Director of CDC's Office of Terrorism Preparedness and Emergency Response (OTPER) and key staff held at the Chamblee Campus of CDC. These officials indicated that although they had well-developed and tested plans responding to events such as hurricanes, they had little experience with earthquakes. Like many other Americans, they were not aware of the potential damage from a catastrophic event in the NMSZ, and recognize the need to be part of the ongoing catastrophic planning initiative in CUSEC's member states.

In the afternoon, CUSEC delegation traveled to the main campus to give presentations to CDC staff in a meeting room and via web conference. Miguel

Cruz of OTPER/CDC, who has been working closely with CUSEC on various issues, opened the meeting and introduced the presenters. Jim Wilkinson, CUSEC's Executive Director, gave an overview of the catastrophic planning initiative. Buddy Schweig of USGS discussed the potential magnitude of a quake in the region, as well as a history of the 1811-1812 NMSZ earthquakes. Brian Blake, CUSEC's Earthquake Program Coordinator, explained how we have used the HAZUS software from FEMA to predict damages, and emphasized how this would affect the health and medical responses. Also attending from CUSEC were Roger Arango, Emergency Planner, and Paul Hogue, Exercise/Training Officer.

CUSEC has begun developing a Disaster Medicine 101 class with CDC, which provides a one-day overview of public health and medical response concerns to an earthquake in the NMSZ. The pilot course is scheduled for November 14, 2007, at the FedEx Institute of Technology in Memphis, TN. Topics will include an overview of the threat in the NMSZ, medical needs assessment, community health rapid needs assessment, risk communication, injury and mental health consequences, environmental health issues, and more. The course is open to the public and registration information can be found at register.cusec.org.

–ALABAMA EMA STATE DIRECTOR RETIRES –

In August of 2007, Bruce Baughman retired after four and half years as State Director of the Alabama Emergency Management Agency (AEMA).



Baughman was a member of the CUSEC Board of Directors and instrumental in encouraging a progression of the earthquake program. He supported applications for mapping projects regarding earthquakes and developed a relationship with the State Association of Engineers and

Architects in order to have a larger cadre of trained post-earthquake building inspectors. He also headed AEMA's response efforts in three hurricanes and several tornadoes, including Hurricanes Dennis and Katrina in 2005 and the deadly series of tornadoes that swept through Alabama in March of 2007. He has 32 years of experience in emergency management, and prior to joining AEMA, he held key several positions at FEMA including Director of Response. While working at FEMA, he received the Distinguished Service Award and four Meritorious Service Awards. Baughman is pursuing opportunities in the private sector. John D. James will assume his duties until a permanent director is named.

Also leaving Alabama EMA is Earthquake Program Manager Amanda Capps. Capps has been the Program Manager since 2004, shortly after Alabama became a Member State of CUSEC. She has been heavily involved in many aspects of the earthquake program, including working on the National Earthquake Program Managers Meeting steering committee and working to improve the State's earthquake plan. Amanda is moving to the American Red Cross, where we wish her the best of luck.

Charlisa Ussery became the new earthquake coordinator for the Alabama Emergency Management Agency (AEMA) in October of 2007. Her responsibilities include the development and maintenance of the state's earthquake plan and being the point of contact for earthquake exercises, conferences and workshops. She joined AEMA in November of 2004 as a planner and has obtained the required three levels of certification in Emergency Management from the Alabama Association of Emergency Managers. Ussery received her Master's Degree in Health Informatics and her Bachelors of Science Degree in Commerce and Business Administration from the University of Alabama.



NEW MADRID SEISMIC ZONE CATASTROPHIC PLANNING INITIATIVE UPDATE

In a recent interview with the Associated Press (AP), FEMA Chief David Paulison talked about the agency's ongoing effort to draw up a national response plan for several disasters. According to the AP, since Katrina in 2005, FEMA has taken an aggressive position towards disasters and is working on a \$17 million response blueprint for a large earthquake in the New Madrid Seismic Zone (NMSZ), which extends 120-150 miles from southern Illinois to northeastern Arkansas, beneath the bootheel of Missouri, and lies just northwest of Memphis, Tennessee. "We recognize that we've got to do catastrophic planning," Paulison said in the interview. The response blueprint to help increase national readiness for a catastrophic earthquake in the central US is called the New Madrid Catastrophic Planning Initiative. It involves a series of annexes to existing base plans for response, recovery and mitigation to a series of major earthquakes in the NMSZ and combining them into a single document with federal, regional, tribal, state and local components. The states most affected by the NMSZ —Alabama, Arkansas, Illinois, Indiana, Kentucky, Mississippi, Missouri and Tennessee— will write the annex at the completion of several scenario-driven workshops which began in March of this year. Paulison also mentioned base plans for catastrophic disasters in South Florida, Hawaii and northern and southern California.

Member states are holding their scenario-based planning workshops that help drive the planning process. In addition to their June workshop, Arkansas held local workshops in 10-12 county areas in July and August, followed by a state workshop in September. Kentucky also held three local workshops in July and August. The workshops put operators and first responders in the same room with planners to develop plans based on scientifically-developed, location-specific earthquake scenarios. Participants left their workshops with a better understanding of the effects of a catastrophic earthquake. Many left with a template developed in the workshop for developing or revising their local response and recovery plans. Indiana held their first workshop in September, with two more scheduled in late October. Missouri also held two workshops in October. Illinois and Tennessee are also scheduled to conduct workshops this fall. Once the states have finished their workshops, they will work together on a regional plan that addresses the shared aspects of the hazard, and subsequently a national plan that addresses a damaging seismic event. See page 11 for the current workshop schedule.



Top Picture: Breakout Session Participants discuss issues about earthquake planning. Bottom Picture: Missouri SEMA Director Ron Reynolds addresses more than 150 participants at the New Madrid Seismic Zone Catastrophic Planning Workshop in Sullivan, Missouri on October 15, 2007.

CUSEC HOSTS EARTHQUAKE PROGRAM ORIENTATION

MEMPHIS, TN—Along with representatives from CUSEC, newly appointed earthquake program managers for the states of Indiana, Kentucky and Mississippi, state area coordinators from Mississippi and Red Cross officials attended the CUSEC Earthquake Program Orientation in Memphis, Tennessee on August 30. It's a meeting conducted by CUSEC to help new earthquake program managers learn more about the National Earthquake Hazards Reduction Program (NEHRP) and how it relates to the hazard and associated risk from a damaging earthquake in the central U.S.

Orientation attendants started their day at the Center for Earthquake Research and Information (CERI)—located on the campus of the University of Memphis—listening to presentation about the earthquake hazard by Gary Patterson, CERI's Director of Outreach and Education. In his presentation, he armed them with facts about the hazard to help them with strategies to inform communities in the central U.S. with basic life saving information. He also noted the importance of CUSEC's role at the regional and national level in the program because



CUSEC Executive Director Jim Wilkinson welcomes participants to the orientation

earthquakes in this region don't recognize state boundaries. "In the event of an earthquake, it's critical to use CUSEC in multi-state planning to bring in their associate states like South Carolina or Nebraska for support." Participants also heard about the Advanced National Seismic System from Dr. Mitch Withers and then rounded their visit off at CERI with a walk-through of the Public Earthquake Resource Center (PERC), a museum with hands-on exhibits where students from kindergarten to twelfth grade learn about earthquakes in an interactive way.

Orientation attendees wrapped up their day with CUSEC Executive Director, Jim Wilkinson and CUSEC Earthquake Program Coordinator, Brian Blake at the CUSEC office. Wilkinson presented an overview of NEHRP, which was created under the Earthquake Hazards Reduction Act of 1977 (Public Law 95-124) by Congress to help reduce the risks to life and property in the United States resulting from earthquakes, and was reauthorized in 2004. NEHRP is also supporting a Post-Earthquake Investigations Coordination Plan.

Other presentations by Wilkinson and Blake covered (1) the State Earthquake Programs, (2) using FEMA's loss estimation model, HAZUS, (3) CUSEC's mission, goals and planned program activities and (4) available resources for the earthquake program.

– RECENT CENTRAL U.S. EARTHQUAKES –

DATE	LOCATION	MAGNITUDE	FELT REPORTS
9/7/2007	Harrison, Arkansas	M3.1	70
9/15/2007	Bryan, Texas	M2.7	3
9/27/2007	Elk City, Oklahoma	M3.0	0

EARTHQUAKE PROGRAM MANAGERS AND PIO'S MEETING

NASHVILLE, TN— As Earthquake Awareness Week 2008 approaches, CUSEC State Earthquake Program Managers, Public Information Officers and representatives from CUSEC met with individuals from NEHRP, FEMA, and the Red Cross in Nashville, Tennessee, to discuss the alignment of goals for the Earthquake Program's Public Outreach and Education effort.

The meeting began with a presentation of ideas for Earthquake Awareness activities. The Public Information Officers (PIOs) proposed a pre-disaster mitigation theme which may include a mitigation workshop for hospitals in Missouri. This workshop is in addition to activities—town hall meetings, school drills, professional development workshops, etc.—already scheduled. The PIOs also offered to complete a unified message—in print and broadcast—to promote earthquake awareness/preparedness and pre-disaster mitigation. During this discussion, some attendees expressed their concerns about the challenges of promoting the effort. They addressed issues such as insurance, funding, more media coverage and competing with the threat of other natural disasters. Elaine Clyburn with the Memphis Chapter of the Red Cross also talked about the frustration of getting community leaders to acknowledge the central US earthquake hazard, but re-emphasized the importance of promoting the earthquake awareness/preparedness effort to the public. “We have an obligation to keep talking even when no one is listening.”

To support the awareness effort, attendees decided to pursue more funding and participate in the expansion of the CUSEC GeoCache. In a separate meeting, the

PIOs decided to include a New Madrid Seismic Zone (NMSZ) catastrophic disaster emergency information annex to their current public information section of their state's response plan specifically to address how to disseminate information to the media in the event of a major earthquake in the central U.S. For more information about each CUSEC member state earthquake program, visit www.cusec.org and if you would like to learn more about GeoCaching visit www.geocaching.com

KENTUCKY EARTHQUAKE TECHNICAL WORKGROUP REVITALIZED

By Gary Rogers
Public Information Officer
Kentucky Division Emergency Management

The newly revitalized Kentucky Earthquake Technical Workgroup—formerly known as the Governor's Council on Earthquake Risk Reduction— held its first meeting on September 25 at the Transportation Cabinet in Frankfort, Kentucky. According to Lori King, Kentucky Earthquake Program Manager, the meeting included updates of the earthquake program, future projects and the organization plan for the group. More than 50 organizations were invited to the meeting. The Kentucky Office of Emergency Management, Kentucky Office of Homeland Security and the Kentucky Geological Survey are supporters of the Workgroup. CUSEC also plays an integral role. The group is made up of members who have an interest in earthquake related issues on the state and local level as an effort to continue organization and an appropriate level of preparedness in the state. The group will be crucial in implementing this shared responsibility and will be key to organizing earthquake efforts in the State of Kentucky.

NON-SCIENTISTS GET INSIGHT ABOUT EARTHQUAKES IN THE CENTRAL US

By Phyllis J. Steckel
Earthquake Insight

Business leaders and policy makers attended the fourth Earthquake Insight Field Trip on Friday, October 12, 2007. This annual outreach event is part of the St. Louis Area Earthquake Hazards Mapping Project and was created for non-scientists, such as business leaders, elected officials, media, risk managers, portfolio managers, lenders, and continuity planners. Field trip participants learned about the earthquake history of the central US and current exposures to earthquake hazards in this area. There was also an informal discussion during the field trip about progress and findings of the St. Louis Area Earthquake Hazards Mapping Project. The one-day field trip was hosted by the US Geological Survey, the Illinois State Geological Survey, the Missouri Department of Natural Resources, and others. Stops included sites in Missouri and Illinois that show geologic evidence of past large earthquakes and engineering solutions that directly affected the St. Louis region. Thanks to sponsors—US Geological Survey, the Illinois State Geological Survey, and the Missouri Department of Natural Resources—there was no cost for participants. For more information about Earthquake Insight contact Phyllis Steckel at psteckel@charter.net or 636-239-4013.

national earthquake and emergency consortia groups, the Central United States Earthquake Consortium (CUSEC), Northeast States Emergency Consortium (NESEC), Western States Seismic Policy Council (WSSPC) and Cascadia Region Earthquake Workgroup (CREW) along with Earthquake Engineering Research Institute (EERI) and the Emergency Preparedness for Industry and Commerce Council (EPICC) of British Columbia Canada will host this event which is funded and supported by DHS/FEMA and USGS. For more information about the 2008 National Earthquake Conference, visit the website address noted above.



NATIONAL
EARTHQUAKE
CONFERENCE

Understanding Earthquakes: From Research to Resilience

APRIL 22-26, 2008

WESTIN HOTEL, SEATTLE
www.earthquakeconference.org

Save the Date!

OTHER NEWS

2008 NATIONAL EARTHQUAKE CONFERENCE

People from different disciplines and regions of the United States will attend the 2008 National Earthquake Conference from April 22 to 26 in Seattle, Washington. According to the National Earthquake Conference website, www.earthquakeconference.org, the purpose of this meeting is to provide a national forum for dialogue among emergency managers, earthquake researchers, government officials and business leaders that builds a common ground to mitigate losses from earthquakes and increase social and economic resiliency. The four

MCEER SEISMIC SYMPOSIUM

A symposium, “Seismic Regulations and Challenges for Protecting Building Equipment, Components and Operations”, will be held at the University of Buffalo on October 12, 2007. The purpose of this symposium is to help earthquake engineers to understand the changes to building design codes, such as the International Building Code (IBC) and the Minimum Design Loads for Buildings and Other Structures (ASCE 7-05) document. This one-day meeting will also help researchers and industry members talk about what the code changes mean for various industries and businesses and what is being done to meet those requirements. This event is being organized by the University of Buffalo’s Network for Earthquake Engineering Simulation (UB-NEES), Multidisciplinary Center for Earthquake Engineering Research (MCEER) and the Structural Engineering and Earthquake Simulation Laboratory (SEESL). For more information about the symposium visit mceer.buffalo.edu

– CALENDAR OF EVENTS –

See below for a glimpse at what is going on in the upcoming months. For more information, visit the CUSEC website at www.cusec.org and click the calendar link to find information

MEETINGS AND CONFERENCES

WHEN

November 6
November 11-14
December 4-5
December 4-5
December 5-6

WHAT

CERI/MAE Center Meeting
IAEM Annual Conference
CUSEC PIO's Meeting
CUSEC Communications Meeting
CUSEC Board of Directors Meeting

WHERE

Memphis, Tennessee
Reno, Nevada
Tunica, Mississippi
Tunica, Mississippi
Biloxi, Mississippi

TRAINING AND EXERCISE OPPORTUNITIES

WHEN

November 6
November 14
December 7

WHAT

Non-Structural Mitigation Workshop
Disaster Medicine 101
ATC-20/21 Workshop

WHERE

Huntsville, Alabama
Memphis, Tennessee
Jonesboro, Arkansas

NEW MADRID SEISMIC ZONE CATASTROPHIC PLANNING WORKSHOPS

WHEN

October 24-25
October 30-31
November 7-8
November 26-29
December 12-13

WHAT

Indiana Workshop
Indiana Workshop
Mississippi Workshop
Tennessee Statewide Workshop
Mississippi Workshop

WHERE

Indianapolis, Indiana
Indianapolis, Indiana
Tunica, Mississippi
Buchanan, Tennessee
Tunica, Mississippi

2008 CATASTROPHIC PLANNING WORKSHOP SCHEDULE

WHEN

January 8-9
January 16-17
February 5-6
February 12-14
March 11-12
March 11-14

WHAT

Illinois Statewide Workshop
Mississippi Workshop
Illinois Workshop (Dates Pending)
Mississippi Statewide Workshop
Missouri Statewide Workshop
Kentucky Statewide Workshop

WHERE

Carbondale, IL
Tupelo, Mississippi
Carbondale, IL
Tunica, Mississippi
Jefferson City, Missouri
Paducah, Kentucky

DATES TO MARK

Earthquake Awareness Month – February 2008. CUSEC Member States participating in earthquake awareness activities during February include Arkansas, Kentucky, Missouri, and Tennessee. Activities will include exhibits, earthquake related training and workshops, media events, and other public outreach efforts. For more information, contact CUSEC at 800-824-5817 or your state Earthquake Program Manager. Detailed information will be online at www.cusec.org

Missouri Emergency Management Conference – March 25-28, 2008. Missouri State Emergency Management Agency will host the 20th Annual Statewide Emergency Management Conference. The Conference is designed for all individuals with a responsibility in Emergency Management and an interest in any area of Emergency Preparedness, Response and Recovery. Visit sema.dps.mo.gov for more information.

National Earthquake Program Managers Meeting – April 2008. Earthquake Program Managers from throughout the nation will meet for the fourth consecutive year during the 2008 National Earthquake Conference in Seattle, Washington. By meeting with their counterparts, Program Managers are able to share best practices and make recommendations for program direction at the national level. The meeting will be held on April 22 at the Westin Hotel in Seattle.

The Central United States Earthquake Consortium is a not-for-profit corporation established as a partnership with the Federal government and the eight member states: Alabama, Arkansas, Illinois, Indiana, Kentucky, Mississippi, Missouri, and Tennessee; and nine associate member states: Georgia, Iowa, Louisiana, South Carolina, North Carolina, Ohio, Oklahoma, Nebraska and Virginia. The Federal Emergency Management Agency provides the basic funding for the organization.

CUSEC's purpose is to help reduce deaths, injuries, damage to property and economic losses resulting from earthquakes occurring in the central United States. Basic program goals include: improving public awareness and education, mitigating the effects of earthquakes, coordinating multi-state planning for preparedness, response and recovery, and encouraging research in all aspects of earthquake hazard reduction.

STAFF

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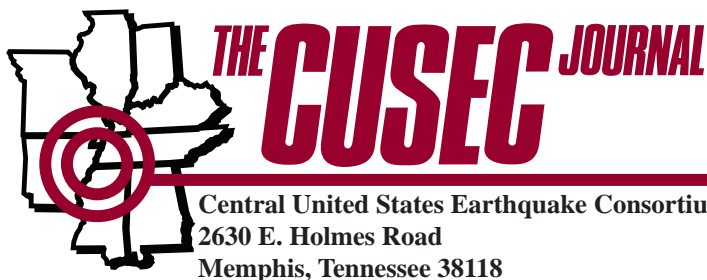
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Please send comments and suggestions to cusec@cusec.org

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CUSEC Partners

American Red Cross
American Society of Civil Engineers
Association of CUSEC State Geologists
Cascadia Regional Earthquake Workgroup
Center for Community Earthquake Preparedness
Centers for Disease Control and Prevention
Center for Earthquake Research and Information
Disaster Recovery Business Alliance
Federal Highway Administration
Federal Emergency Management Agency
Institute for Business and Home Safety
Mid America Earthquake Center
National Emergency Management Association
National Science Foundation
New England States Emergency Consortium
Simpson Strong-Tie, Co., Inc.
U.S. Department of Transportation
U.S. Environmental Protection Agency
U.S. Geological Survey
USGS Mid-Continent Geographic Science Center
Western States Seismic Policy Council



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