

DRAFT
Utah Seismic Safety Commission
Quarterly Meeting Minutes

On July 13, 2017, a regularly scheduled quarterly meeting of the Utah Seismic Safety Commission (USSC) was held in the Kletting Room of the Utah Senate Building in Salt Lake City, Utah. Chair Leon Berrett called the meeting to order at 9:00 a.m.

Members Present:

Leon Berrett, Chair	American Public Works Association
Rick Allis, Vice Chair	Utah Geological Survey
Keith Koper, Vice Chair	University of Utah Seismograph Stations
Roger Evans	Utah League of Cities and Towns
Patrick Tomasino	Utah Division of Facilities, Construction, and Management
Steven Bruemmer	American Institute of Architects, Utah Disaster Assistance
Meldee Love	Utah Insurance Department
Craig Kerkman	Association of Continuity Professionals
Peter McDonough	American Society of Civil Engineers
Evan Curtis	Governor's Office
Joaquin Mixco	Utah Department of Transportation
Gerald McKenzie	Structural Engineers Association of Utah
Kris Hamlet (Bob Carey proxy)	Utah Division of Emergency Management

USSC Staff Present:

Steve Bowman	Utah Geological Survey
Bob Carey	Utah Division of Emergency Management
Adam Hiscock	Utah Geological Survey
John Crofts	Utah Division of Emergency Management
Emily Kleber	Utah Geological Survey

Guests Present:

Walter Arabasz	University of Utah Seismograph Stations
Glen Palmer	Palmer Engineering
Jenefer Youngfield	Utah State Board of Education
Casey Coleman	Utah Division of Public Utilities
Barry Welliver	BHW Engineers
Pat Hart	Salt Lake City Engineering
Bruce Spiegall	Utah Division of Risk Management
Gerald Mckenzie	BHP Engineers
Marilin Hoff	Utah Division of Emergency Management
Sean McGowan (via phone)	Federal Emergency Management Agency, Region VIII (Ex-Officio)
James Corney	

Members Not Present:

Rep. Gage Froerer

Kris Hamlet

Chris DuRoss

Senator Jerry Stevenson

Utah House of Representatives

Utah Division of Emergency Management

United States Geological Survey (Ex-Officio)

Utah State Senate

Welcome/Approval of Minutes

Leon Berrett made introductions and recognized guests.

Rick Allis offered a couple of corrections for the minutes and made a first motion for the approval of the April 13, 2017 Meeting Minutes.

Craig Kerkman seconded the motion. The minutes with corrections were approved.

Elections Conducted by Invitation - Walter Arabasz

Walter Arabaz invited nominations for USSC Chair.

Craig nominated Leon for Chair and by acclamation Leon was re-elected Chair.

Keith Koper nominated Rick Allis for Vice Chair.

Rick Allis nominated Keith Koper for Vice Chair and by acclamation both Vice Chairs were re-elected.

Earthquake Preparedness Presentation – Marilyn Hoff

Marilyn Hoff presented to the Commission regarding personal preparedness during and after an earthquake. She demonstrated Be Ready Utah's Emergency Preparedness kits, tools and resources for earthquakes. Marilyn discussed the importance of emergency supplies for home, car and the workplace.

Marilyn presented a folder containing valuable earthquake preparedness information and provided other personal preparedness items to the commission. She discussed the importance of water and key items to have ready for an earthquake.

Walter suggested having an intern or trainee put her presentations on YouTube and utilize social media to get these valuable messages out to the public. Walter said that the Earthquake Community owes her a debt of gratitude for all her work in the community.

Leon thanked Marilyn and said she did a great job presenting to Salt Lake County.

Short Break

National Earthquake Hazards Reduction Program (NEHRP) Discussion

Keith discussed NEHRP and how it affects multiple agencies and programs. NEHRP was first passed in 1973. Senator Feinstein (CA) is working to reauthorize NEHRP and is searching for a Republican to co-sponsor the bill. The bill is expected to be introduced in August. Keith and Leon drafted a letter to the editor to be placed in the Salt Lake Tribune asking everyone to contact their representatives to support the bill. They are also going to have a letter from the

Commission in support of the bill. The final language on the bill hasn't been finalized. Once the language of the bill has been finalized it will be sent out to the commission.

Leon will talk to Rick and Keith to make sure everyone supports these NEHRP reauthorization efforts. He supports reauthorization and said that when we meet again he will get feedback from all the commissioners on how the commission can support reauthorization efforts. If any commissioners have concerns please let Leon know. He said the version he has isn't final; however, it contains authorization authorities for groups who participate in earthquakes. The authorizations also includes early warning earthquake language that is already being constructed in California and later Oregon and Washington. Keith has had interactions Senator Hatch's office and they are not interested in cosponsoring, but they may help in letting it come to a vote.

Gerald McKenzie said that the engineering industry should be advocating for this bill. He said he would take it to his organization to help support it.

Leon encouraged all the Commission to take the reauthorization draft language back to their associations and groups.

Leon asked for SEAU, AIA, and other associations involved with the national level to support reauthorization.

Keith added that NEHRP also funded the State of Utah and Bob Carey with an Earthquake grant that directly benefits the Commission.

New Utah Earthquakes (1850 to 2016) and Quaternary Fault Maps

Steve Bowman discussed that they are going through final corrections and will then have the fault map printed in full size by the next USSC meeting. They provide a full map and a presentation with Walter at the next USSC meeting in Utah.

Leon asked about cost of maps.

Steve mentioned that there currently isn't a printer in Utah that can print a map of that size. They will have a better estimate of costs after the bids are completed.

Annualized Earthquake Losses Report Discussion

Keith said there was a Magnitude 3.4 earthquake in Northern Arizona and that it was felt in St. George. These size earthquakes are not unusual. He discussed the new FEMA Annualized Earthquake Losses Report and asked if it was published on our website. **Steve** said the document is listed on the USSC website. Keith continued discussing the FEMA document and that it lists the likelihood of earthquake in Utah and that Utah is ranked 5th or 6th for nation for earthquake risk. This is something we can refer to and make the economic argument on how much we can lose economically.

Bob Carey said this report was first completed in 2000 and it was updated along with new census data.

Keith invited anyone with questions to contact him.

Meldee Love asked for clarification on injuries and asked how much the population would need shelter.

Keith said it is ranked out by state and county and that after the west coast Utah is the next highest risk. Keith said that it is a long document and encouraged everyone to review.

Meldee says the document adds value because you can make preparation now or you are going to have significant damage later.

Bob said that this is one of the things we are trying to push. He explained that for every \$1 spent on earthquake mitigation that you save \$4. Bob added the savings is probably much greater than \$4.

Utah Open and Public Meetings Act (52-4) Training

Kevin Bowlander was unable to present at this meeting.

**Kevin later apologized for missing the meeting due to other commitments. He offered to provide the training at a future date.

Mission Ready Packages (MRP) for the Emergency Management Assistance Compact (EMAC) Discussion

Leon talked about EMAC and how all fifty states and five territories are fully participating. Currently there is review of the implementation of EMAC. He represents Public Works and serves on a national committee for EMAC. They are pushing to develop MRP that will speed up EMAC requests after a disaster. They have already created a couple of MRPs and they are looking for more MRP from other groups. Leon is concerned about getting MRPs ready for Public Works. He stated it would be especially helpful to have them ready for Elko, Evanston or other areas close to Utah. He said Salt Lake County recently sent mutual aid to Box Elder County. The County helped Box Elder County with their flooding and it has now become a precursor to what we could do with EMAC requests.

Bob discussed what Utah is currently doing with EMAC requests and mentioned how Lorry Herrera, Utah EMAC Coordinator, on how he is working to get mission ready packages prepared.

Leon said the latest EMAC activation was the sent out for the Republican National Committee meeting in Cleveland.

Bob mentioned that Utah was participating in a mission ready package project with CUSEC. The packages they were at were dissimilar. DEM hosted an MRP workshop and invited both the Utah Geologic Survey and other State agencies to the workshop. He mentioned we reviewed what the State's needs were, including building evaluations from ATC-20. Bob said they spent an afternoon putting together packages for ATC-20 teams. He mentioned we could pre-write what we need—and save valuable time when an earthquake happens. If you already have a MRP then you will know exactly what you need. We as a State know of most of our short comings and these MRPs can address our immediate needs.

Leon thought it would be a good idea to let the Commission know that in the event of a disaster what these MRPs are and what mechanism could be in place to get compensation.

He discussed the Utah Emergency Management Council and that is composed of Emergency Managers. DEM is in charge of the running the committee for the Lieutenant Governor. He shared with the Commission the material of his presentation and offered to share the presentation with anyone who would like to use it.

Gerald asked about creating presentations for residential, business and school audiences. He suggested specializing presentations to audiences that have the biggest impact and find a way to generate even more interest. He wondered if there are other areas of advocacy where we can look for the Legislature to further advance.

Cory Lymon said the HAZUS runs have different hot buttons for different versions of same presentation. They come up with specific data dependent on requests. Government versus Chamber of Commerce

Walter discussed the need for GAP analysis. It can be used to enlighten people which would enable us to further our message.

Bob announced that Kim Burningham recently passed away. He was the original sponsor of the USSC legislation. Bob noted he helped create the Commission and Bob wanted to share with the Commission news of his passing. He then, on GAP Analysis said that it usually comes down to money and it does take some consideration into lost wages and economic loss. He explained that HAZUS economic inputs depend on what we are looking for and how the dollars are broken out.

GENERAL UPDATES

Leon invited those present to provide updates.

Rick suggested creating a draft earthquake brochure (trifold) that the commission could send out. Discussion included Bob and John creating a draft and present to the Commission.

Bob asked for anyone wishing to help to volunteer. Nobody volunteered to help; however, a draft brochure would be presented to the commission at a Utah meeting in January. All the commission will be able to look at it and review before it is finalized.

Bob checked with Nevada about the joint USSC/Nevada meeting in November. Nevada and Utah both wanted to have a joint meeting and we are moving forward on premise that they want to meet. Next meeting will be in November. Commission will have the room and flight paid for and more details will follow.

Craig is Chair of URM committee he wants to cosponsor a Risk Reduction Summit.

Bob added that this is the 10th anniversary of this joint meeting because we have similar interests and similar goals. He said that this joint meeting provides a lot of useful information and that this is something the commission should consider attending again. It will probably be held the same place it was held last time.

Bob suggested November 9th. The Commission agreed to save that date.

Leon hoped we could get a quorum in Nevada and encouraged as many Commissioners to attend as possible.

FIX THE BRICKS PRESENTATION

Cory and Audrey Pierce There are several things that homeowners can do to seismically improve their homes as you can see from this table from the URM guide. Our Fix the Bricks funding only address the first two priorities: bracing chimneys / special features, and roof to wall anchorage. The grant pays for 75% of the project and the applicant/homeowner pays for 25%. Some of the homeowners do other work at the same time, but we make them submit a bid specific to the details. In the future, the percentage distribution may change slightly. With the first 44 home the City could cover the administrative costs of the program with a salary match; however, as the program grows so does our administrative cost and need for additional staffing. This makes it harder for the City to meet the match. In order to grow with the program, the percentage of distribution will change and homeowners will be paying more to cover the costs. Our experience with the homeowners tells us this won't deter them from doing the work, most are very grateful for any support we could provide to get the work done.

Salt Lake City maintains a list of other Utah communities that want to participate. The City kept a list of people in other communities that wanted to participate. Millcreek, Holladay, Cottonwood Heights and Sandy are all interested. Statewide interest indicates that this really should be a statewide program. Another reason for this to be a state program is that there may be future cutbacks in funding.

Leon said it presents a great message to Legislature to be involved in programs like this. Trying to identify people who they can go back and participate in the program.

Walter asked for homeowner's investment. The typical homeowner match is around \$12-20K match. The non-federal match is 25% that homeowners will have to pay.

Cory discussed more about apartment buildings. Fix the Bricks for single buildings. Building owners can apply up to \$4 million per project.

Bob added this is the first time FEMA is branching out and giving money to individuals.

Next meeting

Next meeting is November 8, 2017 in Reno, Nevada. Details will follow.

Adjourn

Leon made a motion for adjournment.

Bob seconded the motion. Meeting adjourned by acclamation.