



Meeting Minutes Nevada Earthquake Safety Council

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|------------------------|-----------------|--|----------------|
| Attendance | DATE | Thursday, May 28, 2015 | |
| | TIME | 9:00 A.M. | |
| | LOCATION | Nevada Division of Emergency Management Executive Conference Room 2478 Fairview Drive Carson City, NV 89701 | |
| | | Clark County Fire Department, Station 18 2 nd Floor Conference Room 575 E. Flamingo Road Las Vegas, NV 89119 | |
| | METHOD | Videoconference | |
| RECORDER | Janell Woodward | | |
| Council Members | Present | Staff and Others | Present |
| Alan Bennett | X | Janell Woodward | X |
| Michael Blakely | X | Rick Martin | X |
| Ian Buckle | X | Debbie Tanaka | X |
| Wayne Carlson | X | Henna Rasul | X |
| Craig dePolo | X | Karen Johnson | X |
| Jim Faulds | X | Connor Long | X |
| Jeff Hahn | | | |
| Graham Kent | X | | |
| Ron Lynn | X | | |
| Connie Morton | X | | |
| Jim O'Donnell | X | | |
| Vance Payne | X | | |
| Jim Reagan | X | | |
| Woody Savage | | | |
| Wanda Taylor | X | | |
| Jim Walker | X | | |
| Jim Werle | X | | |

1. CALL TO ORDER AND ROLL CALL

Chair, Ron Lynn called the meeting to order. Janell Woodward called roll and a quorum was established.

2. PUBLIC COMMENT.

Chair, Ron Lynn opened discussion for public commentary for this meeting. There were no comments.

3. APPROVAL OF THE MEETING MINUTES.

Chair, Ron Lynn asked for a motion to accept the meeting minutes from both the February 4, 2015, quarterly meeting and the March 18, 2015, special conference call meeting. Craig dePolo made a motion to approve the minutes from the February 4, 2015 meeting. Wanda Taylor seconded the motion. All were in favor of approving the minutes from February 4, 2015 and the motion passed unanimously. Wanda Taylor moved to accept the meeting minutes from the March 18, 2015 meeting. Craig dePolo seconded. All were in favor and the March 18, 2015 minutes were accepted unanimously.

4. UPDATE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).

Jeff Lusk provided an update from FEMA. Kelly Stone left her position as Earthquake Program Manager for Region IX and went back to Region X creating a vacancy for this position. Michael Hornick will be the point of contact for Region IX. An update was provided for documentation coming out of the Napa earthquake that occurred in August 2014. Jeff provided several copies of these documents as well as links to these documents below.

<https://www.atcouncil.org/36-projects/projects/258-atc-66-6-netap>

FEMA P-1024: <https://www.atcouncil.org/documan/fema/2-fema-p-1024-south-napa-earthquake-mitigation-report/file>

Chimney Advisory: <https://www.atcouncil.org/images/ChimneyRecoveryAdvisory.pdf>

Cripple Wall Advisory: <https://www.atcouncil.org/images/CrippleWallRecoveryAdvisory.pdf>

5. UPDATE FROM NEVADA DIVISION OF EMERGENCY MANAGEMENT (NDEM).

Chair, Ron Lynn, thanked Rick Martin for his time and efforts after the recent Caliente earthquake.

Rick Martin provided an update from NDEM. Many changes have and are still occurring at NDEM. Chief Smith has left and gone to work for FEMA and is now located in Washington DC. The interim chief is Pete Mulvihill, State Fire Marshall. Pete introduced himself to the NESC and expressed his appreciation of the work of the NDEM staff. Pete also gave an update on Assembly Bill 90 (AB90) which is the Nevada Intrastate Mutual Aid Program. The Governor signed AB90 into law. This is an all-risk, all-hazard mutual aid program within the state.

Rick also announced Kevin Schaller was hired to manage the Planning, Training and Exercise (PT&E) section at NDEM. Kevin introduced himself to the NESC. Debbie Tanaka is also leaving NDEM and going to the Attorney General's Office. Debbie provided an overview of the new job she will be going to and expressed her appreciation for all of the people she has worked with as the hazard mitigation officer. Suz Coyote is the new Public Assistance Officer. Connor Long is helping with GIS. Stephanie Parker, NDEMs compliance officer, is leaving NDEM and going to the Fire Marshall's office.

With regard to PT&E, Vigilant Guard 17 will take place in November 2016 and will be an earthquake scenario. Many more Cybersecurity exercises will be coming in the future as this is ranked as the number one priority by the Homeland Security Commission. As far as planning, there has been a shift toward drought as this is a major priority for the Governor. The Planning section will also be working on Recovery.

A lot of training has come to the state through NETAP. Rick thanked Janell for her efforts in coordinating all of this. Planning is beginning for this coming year's training opportunities. Rick would really like to see training for earthquake mitigation to hospitals and schools. All of these classes were well attended. Craig dePolo added that these classes were not only attended but were used shortly afterward by different areas.

Damage Assessment training will be coming to Nevada in June in both Carson City and in Las Vegas.

Lincoln County will be conducting an unreinforced masonry (URM) survey as is City of Reno. These municipalities have been put in touch with Werner Hellmer from Clark County in order to ensure there is uniformity in how the projects are completed across the state.

The Emergency Management Performance Grant (EMPG) FY15 application has been submitted. This is the grant funding source that supports the NESC. NDEM is still waiting to see if deobligated funds become available for any additional projects.

As far as Mitigation, all 17 counties now have approved Hazard Mitigation Plans, either individually or as part of multijurisdictional plans.

Rick attended the Earthquake Manager's conference in May. This conference provides a great opportunity to see what other states are doing. It was interesting to see what other states are doing related to earthquakes.

The billboard project included 5 billboards for earthquake awareness in the Reno/Sparks area as well as the Carson City area. There was good feedback from the public who saw those billboards. Several things were learned with regard to billboards for use with future billboard efforts.

Rick Stever, Lincoln County Emergency Manager, thanked everyone for their response and help after the recent Caliente earthquake.

Irene Navis from Clark County also provided an update of their response to the Caliente earthquake. They spent a lot of time working with the media after this event.

6. RECENT SEISMICITY IN NEVADA AND REPORT FROM THE SEISMOLOGICAL LABORATORY, UNIVERSITY OF NEVADA.

Vice Chair, Graham Kent provided an update on recent seismicity in Nevada and the UNR Seismological Laboratory. This has been a busy year and Nevada is on track for approximately 20,000 quakes per year. This has not slowed down when compared to 10 years ago where there were approximately 10-12,000 earthquakes in a year. There have already been two magnitude 4.8 earthquakes, both in Southern Nevada. There have been 84 events magnitude 3.0 or greater so far this year. Death Valley had a Valentine's Day Death Valley magnitude 4.8 event which was on the border. This was a normal earthquake where the Caliente was a strike slip.

Monitoring is getting better as more and more broadband stations are placed. Additionally, a DOE project is allowing the Seismological Lab to place additional stations. Permitting is an issue and they are seeking other locations for placement.

The Seismological Lab is also working with the BLM with their cameras in the Alert Tahoe project. These cameras have been very helpful with fire spotting as well. Of note, California is moving mostly toward a cellular network and Nevada is choosing to build out more broadband capabilities leaning toward a multi-hazard plan. The Alert Tahoe website is available for public to see live views as well as time-lapse views. Cameras may be viewed at <http://alerttahoe.seismo.unr.edu/>.

7. REPORT ON THE NATIONAL EARTHQUAKE HAZARD REDUCTION PROGRAM (NEHRP).

Chair, Ron Lynn discussed the budget, or lack thereof, for the NEHRP. Discussion included budget hearings for NEHRP. FEMA does a tremendous amount of work on a very small budget comparatively speaking. An interesting item they have developed is a jump drive which is available with all of the NEHRP publications on it. Jeff Lusk added that if anyone wants these to just ask.

8. UPDATE FROM THE WESTERN STATES SEISMIC POLICY COUNCIL (WSSPC).

Chair, Ron Lynn provided an update from the Western States Seismic Policy Council. Ron attended the annual meeting in Pasadena the end of April. Discussion included Resolution 15-3. Craig provided an overview of the issues with policy 15-3. WSSPC Chairman, John Parrish's issue with this policy was that a nonprofit cannot regulate and there could be potential problem if it is perceived that WSSPC is trying to regulate. This policy ended up being renewed for three years as this is engrained in policies of many states. Two outcomes from this meeting were 1) the executive committee will ask all states whether they want this type of policy, and 2) if that happens, the Basin and Range committee will develop guidelines that fit within that policy and the old policy will morph into the new policy. All policies are available on the WSSPC website, <http://www.wsspc.org/>. Interestingly, Ron noted that background information is only available to WSSPC members.

Discussion also included HAZUS and funding. Jeff Lusk added that FEMA is looking at return on investment and whether or not HAZUS will continue to be funded.

9. REPORT REGARDING CALIFORNIA SEISMIC SAFETY COMMISSION (CSSC) MEETING ON MARCH 4.

Graham Kent attended a special meeting for CSSC at the Jet Propulsion Lab (JPL). At the August joint meeting at Granlibakken, JPL presented information regarding their various assets available should an event occur. The Napa earthquake occurred 10 days after that August meeting. The special meeting in Pasadena allowed further networking and getting to know the right people prior to an event happening in Nevada. California had two secretaries from the Governor's office participate in this meeting as well. Graham voiced the importance of determining how to get Nevada's Governor's office involved in earthquake issues as well. California has state and local officials on their California Seismic Safety Commission with 4-5 paid staff. Ron Lynn added that once a new NDEM chief is in place, we should talk again about how to engage the Governor's office with the NESC.

Nevada is hosting the Seismological Society of America (SSA) annual meeting April 20-22, 2016 at the Peppermill and Ken Smith suggested that perhaps NESC could have a joint meeting with California the day before this conference. An invitation could be sent out inviting members to come a day early for the joint meeting. Dick McCarthy, the executive director of the California Seismic Safety Commission, is highly in favor of a joint meeting. NESC and CSSC could work on one of the joint projects that have been discussed and that

project could be a main focus of the April 19, 2016 meeting the day before the SSA conference.

Craig dePolo asked if this would be a meeting where we could bring the whole NESC to Reno for this meeting. Rick Martin stated this is a possibility and we would need to look at the budget.

Craig made a motion to follow up with Graham Kent's suggestion to have a joint NESC-CSSC meeting on April 19, 2016, in Reno if funding is available, the day prior to the SAA conference. Jim Reagan seconded the motion. Graham clarified that this would be a real functional meeting with the full NESC as well as the CSSC similar to the August Granlibakken meeting. All were in favor and the motion passed unanimously.

10. POSSIBLE BUSINESS RESILIENCY MEETING AT LAKE TAHOE.

Graham Kent stated he has not really had a chance to follow up much on this possible meeting since the last quarterly meeting. Greg Mosier, Dean of the College of Business at UNR, would be happy to host this. As well, CSSC would be happy to be involved as well. Graham suggested that we might also see if the Dean from UNLV would also like to be involved. The Mayor of Napa as well as the Chief Resiliency Officer of San Francisco would both be willing to attend this type of meeting. This is as far as Graham has gotten. Wanda Taylor suggested Christine Springer from UNLV Department of Urban Affairs would be a good person to make contact with regarding this meeting. Craig dePolo also suggested trying to get a member from the Chamber of Commerce from various areas to also attend. Ron Lynn added the Nevada Resort Association should also be involved and mentioned a contact of Virginia Valentine. Graham also indicated the City Council for Reno would also like to be involved.

Ron Lynn asked what the next step would be with regard to a deliverable on this topic. Graham suggested speaking to CSSC to try to determine a potential date that could be brought to the next meeting for a vote.

Ron asked whether FEMA has a resiliency course that could be taught in connection with this meeting. Jeff Lusk indicated there is a course available but it would be a regular class and not one that is offered through NETAP. This class would be taught through EMI and could be done remotely or possibly they would provide the modules and Nevada could customize these to the meeting. Graham also suggested that the Chief Resiliency Officer of San Francisco is very adept at giving his message and beginning with him could get people interested in the rest of the day. San Francisco has been adept at going out and getting outside funding. Wanda also asked whether someone from Wells might be able to speak to the difference between older building and buildings that have been built to code.

Jim Reagan asked who was taking the project lead as it sounds like there has been a lot of talk and agreement but nobody actually taking the lead. Graham stated that it would ultimately probably be him but he just has not had time to put it together. Ron Lynn stated that the NESC should make sure that NDEM is on board with movement in this direction. Rick Martin stated that the division would be in favor of this direction and the interim Chief has direct access to the Director of the Department of Public Safety (DPS) and the Director has direct access to the Governor's office.

Vance Payne made a motion that on behalf of NESC, Graham Kent work with CSSC to determine a date for a business resiliency meeting. Craig dePolo seconded the motion. All were in favor and the motion passed unanimously.

Clarification was made that this meeting would be separate from a regular quarterly NESC meeting.

11. PRESENTATION OF PAPER ON BUILDING GRADING SYSTEM.

Chair, Ron Lynn stated building grading is a hot topic currently in the seismic and engineering communities. Ron and Mike Mahoney contributed to this paper. A single standard is not out there currently and a set of standards can be developed and introduced into the building code. Discussion ensued regarding how various groups are utilizing a grading system currently. Alan Bennett indicated that Washoe County Assessors use a system of good, better, etc. Ron will contact Washoe County Assessor's office regarding their system.

12. NESC AND UTAH SEISMIC SAFETY COMMISSION JOINT MEETING NOVEMBER 10, 2015 AND SEISMOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING APRIL 20-22, 2016.

Chair, Ron Lynn stated that USSC reached out stating they would like to have a joint meeting again in November. Discussion was turned over to Janell Woodward. Janell stated per Ron's prior instructions, she has spoken with Bob Carey from Utah as well as Sheila Curtis. Options for location of the full-day meeting are still being discussed but Ian Buckle is working on obtaining space at UNR. The agenda is still to be worked on. Ron indicated that we should not discount information from California such as the earthquake early warning system and this could also be a good topic to add. Additionally, Jeff Lusk stated that FEMA does favor states interacting with each other. He added that it is always a good idea to get representatives from FEMA Region VIII and IX together at the same meeting like this and there is a good chance that we would be able to get representation from both FEMA Region VIII and Region IX at this joint meeting.

Graham Kent indicated that as they are having the SAA at the Peppermill in April 2016, they are in a good position to work with the Peppermill regarding accommodations and perhaps meeting space if needed. Ian Buckle will be checking to see if the meeting can be held at UNR with a tour of the shake lab.

Janell will continue to work with Sheila Curtis from Utah as well as Ron Lynn and Bob Carey regarding this meeting. Anyone who has input can contact Janell.

Regarding the SAA, Graham also indicated he and Ken Smith are coordinating this event. If anyone has any breakout session topics, please let Graham know. They would like to do a session on the 100-year earthquake anniversary for Pleasant Valley. Additionally, they would like to have an earthquake early warning debate as well as maybe a probabilistic seismic hazard debate. Ron also indicated another topic might be how we get the message of earthquake safety out to the public. We need to be better at competing with the other messages out there. Graham indicated there could be a talk on this topic especially if CSSC is in attendance. They might be able to bring out the shaker truck for three days during Hot August Nights which would be good outreach.

13. ANNOUNCEMENT OF REMAINING 2015 MEETING DATES.

Chair, Ron Lynn announced the remaining two meetings for NESC include the August 5, 2015 regular quarterly meeting, and November 10, 2015 which will be a joint meeting between NESC and Utah Seismic Safety Commission (USSC).

14. COUNCIL MEMBER COMMENTS.

Werner Hellmer shared that Clark County had their first official use of the URM Survey having a project come in where they discussed with the design professionals that their building is a URM, were able to share information with them and gave guidance of what Clark County Building's expectations would be for this project.

Regarding the movie, San Andreas, Graham Kent has an op-ed coming out tomorrow with Huffington Post.

15. PUBLIC COMMENT

Chair, Ron Lynn opened the meeting for public comment. Irene Navis, Clark County Office of Emergency Management, offered some comments and suggestions from their office regarding business resiliency. One of the most important things to remember with business resiliency is how multidisciplinary it is. There are many groups to reach out to and Irene will provide those contacts as they may be helpful to the planning of the Business Resiliency meeting to be planned for the future. She also gave information on getting the earthquake safety message out to the public. A suggestion was made to have someone from the NESC speak to the Citizen Corps Council to garner their help in getting the message out as well.

16. ADJOURN

Chair, Ron Lynn declared the meeting adjourned.