



Meeting Minutes Nevada Hazard Mitigation Planning Committee

Attendance	DATE	Tuesday, February 23, 2016	
	TIME	9:00 AM	
	LOCATION	Mineral Fire Station 418 Mineral R. Hawthorne, NV	
	METHOD		
	RECORDER	Karen Johnson	
Committee Members	Present	Staff and Others	Present
Ryan Turner		Rick Martin (NDEM Staff)	X
Aaron Kenneston	X	Karen Johnson (NDEM Staff)	X
Vance Payne		Bunny Souza (NDWR)	X
Rick Diebold	X	Jeremy Hines (Henderson EM)	X
Robb Fellows	X	Dan Hourihan (ITERC)	X
Andrew Trelease	X		
Craig dePolo	X		
Rob Palmer	X		
NDWR Vacant			
Ron Lynn	X		
Jim Reagan	X		
Terri Garside	X		
		Henna Rasul, AG's Office, Reno	PHONE

1. CALL TO ORDER, INTRODUCTIONS AND ESTABLISH QUORUM -

Chair, Craig dePolo, called the NHMPC meeting to order. Roll call was performed. Quorum was established for the meeting.

2. PUBLIC COMMENT

Craig dePolo opened the meeting for public comment. No comment.

3. APPROVAL OF MINUTES

Craig dePolo asked for a motion to approve the meeting minutes from the Nevada Hazard Mitigation Planning Committee (NHMPC) meeting held November 19, 2015. Ron Lynn moved and Rick Diebold seconded. Craig dePolo requested UNR, Bureau of Mines be changed to Nevada Bureau of Mines & Geology. The motion passed unanimously.

4. CHANGE TO BY LAWS

Craig discussed the two changes; Section III Membership - adding a 15th member representing the Tribes and Section VI Subcommittees – deleting the requirement that a subcommittee chair be a member of the NHMPC. Ron Lynn suggested they separate the two items for discussion. A vote was taken to separate the items and approved unanimously. Discussion ensued on the positive aspects of having the Tribes involved. Dan provided his back ground and welcomed the opportunity to represent the Tribes on the Committee. A vote was taken to add a Tribal membership and passed unanimously.

Section VI Subcommittees motion to take up second issue. Ron Lynn made a motion and Terri Garside seconded to modify the draft language to allow a non NHMPC member but to require at least one NHMPC member to be a member of the Subcommittee to be appointed by the Chair. This would allow NHMPC to have a direct liaison. Craig dePolo stated this allowed Jim Walker to remain as Chair but the subcommittee will still have representation from NHMPC. Karen Johnson stated she would provide an update to the State HMP schedule at the next meeting. A vote was taken and one nay (Aaron Kenneston) and the rest approved. Motion carried.

5. REPORT ON THE STATUS OF OPEN PRE-DISASTER MITIGATION AND HAZARD MITIGATION GRANT PROGRAM ALLOCATED NEVADA GRANTS

Karen Johnson, Nevada Division of Emergency Management, gave an overview and update of the open pre-disaster mitigation and hazard mitigation grants (see attached). Ms. Johnson gave an update on the status of each open grant.

An update of the HMA Tri-fold was provided to the committee and the timeline was discussed. PDM & FMA 2016 program priorities were provided along a timeline. A list of the possible grant applications/projects that NDEM is currently in discussions with jurisdictions within NV was discussed and is attached. Karen Johnson invited Mineral Co. to work with her on any projects they may want to get funded.

Reminder of the May 5th meeting in Battle Mountain. Craig suggested June 7th, Tuesday to meeting in Reno or Las Vegas to hear presentation on applications and prioritize the applications. Ron Lynn will not be able to attend.

6. NEVADA BUREAU OF MINES & GEOLOGY (NBMG) PRESENTATION REGARDING EARTHQUAKE VULNERABILITY (Discussion only)

Chairman dePolo briefed the committee on the Mineral County earthquake history and current vulnerability.

NHMPC is about reducing risk in NV. Earthquake activity is up in the last year, 17000-19000. Twice the recent norm. NV is an earthquake active state, with about 220,000 earthquakes recorded in the State. Earthquakes are considered one of the highest hazards in the State. For this area, I looked at My Hazard/My Plan website, where you can click on individual sites for detail. If he just views the 4.0 magnitude and greater, Mineral County is quite active. The larger earthquakes appear in belts generally. The belts define the tectonics. 1954 Dixie Valley Fairview Peaks earthquake appeared on the belt. The Walker Lane and Central Valley belts with Mineral Co. right in the middle of both.

Three major earthquakes in NV 1915, 1932 and 1954. We just celebrated the centennial of the biggest earthquake in Nevada in 1915 Oct. 2nd, which mostly affected rural NV with ranches having major damage. 1932 may have caused damage to Mineral Courthouse.

Craig dePolo showed maps of recent seismic activity in the County and historical swarms. The area is active currently and more active than other areas in NV. Due to activity Mineral would be in top 5 areas of the State that is more at risk to a larger earthquake. Craig dePolo provided definition of dip/slip faults and strike/slip faults. Planning for future and not building on top of faults will reduce risk and damage.

Retrofitting buildings or changing occupancy is a long term discussion with the community to reduce damage. Placing a plaque on the building may allow people to move away from a dangerous building during an earthquake.

We haven't had a major one in a while, since 1960 (except for Wells earthquake). A comment made at the NESC indicates that earthquakes are generational, but that's not necessarily true. We have had earthquakes year after year, some with high magnitudes, and are in an active earthquake state, similar to the number in California. But we haven't had a significant one in a while and this provides a situation of low belief in our top hazard and this reduces the awareness of the danger. The safety leaders are responsible to motivate society and decision makers to provide messaging. The number one is Drop Cover and Hold. The second is check on your neighbors which may reduce the number of 911 calls. Be prepared for 5 days of being on your own. Participate in the Great NV Shakeout.

Five step earthquake safety; 1. Drop Cover and Hold 2. Take care of content hazards (move the heavy objects to lower areas). 3.. Prepare disaster kit. 4. Prepare a disaster plan. 5. Retrofit buildings

Mineral has a 6% chance of having an earthquake and that is elevated and should motivate you to take action. Influence people to take action by taking action yourself. Champion the action. Talk with a consistent message. Repeat your message at least 9 times (participate in the Great NV Shakeout).

7. MINERAL COUNTY HAZARD PRESENTATIONS (Discussion Only)

TC Knight provided a discussion of the identified primary hazard concerns. The population is approx. 3,800 +. Earthquake is the only high risk. Moderate risks are drought, flood severe weather, volcano and wildfire. Low risk is Hazardous materials are traveling along the 95 corridor and they would pose a risk to the County as well. Very low risk is land

subsidence and infestation. Last August Hawthorne had a severe wind event along with some flooding events.

Mike Fontaine, Flood Plain Manager gave a presentation on the flood risk and his work at enforcing the building code. Two types of flood in the area, sheet flow in town due to slope of town and concrete without storm drains and flash floods. There has been road damage due to flash floods. Cars are at danger to 6" of water flowing quickly. The roads are the drainage system so the flood waters go onto the roads. The finished floors of houses are 1' higher than crown of road. NFIP requires homeowners to certify home elevation through surveys. These cost approximately \$600-\$1500 and are out of the financial resources of homeowners. FEMA mapping is not correct and Mineral is in the process of requesting FEMA to re-map the area. He suggests being prepared, don't drive through flood waters and tie down the propane tank to reduce damage. Be aware and be smart.

TC Knight states that flood insurance increased and people don't buy into the flood maps. They requested FEMA to ground truth Hawthorne. People don't have faith in the system when the area required to pay flood insurance is different than the area that floods every year. The date of FEMA maps is 2011.

Rob Palmer stated that NV Division of Water Resources requested that Hawthorne be a priority to be remapped/studied.

Karen Johnson stated that the Mineral Hazard Mitigation Plan will be updated over the next year with the help of NDEM and Stephanie Hicks.

8. NEVADA EARTHQUAKE SAFETY COUNCIL REPORT– (Discussion only)—

Ron Lynn, Nevada Earthquake Safety Council (NESC), Chair—Mr. Lynn provided a report on the NESC for the committee. The Feb 10th meeting was a joint meeting with the States of Utah and Idaho present. Vigilant Guard 17 is being held in November. Ron Lynn and Graham Kent went to Napa to review damage. Business testimony (small businesses) not significant building damage but sprinklers ruptured and keys to turn off were not available and devastated businesses. New policy under discussion regarding schools used as critical facilities after an event. If using a school as a facility for response then the school should be new or retrofitted. Contents should be reviewed to make sure they are not harmful.

UNR, Seismo Lab is looking at adding equipment for information on earthquakes by adding a camera and partnering with fire folks for early warning systems. Ron Lynn says changing building is a more sustainable way of protecting people.

Seismic Society American Conference meeting will be held in April in Reno.

Living with Earthquakes in Nevada provides information on what can be done to lower risk. Contents retrofit was done in Clark County Building Dept. and cost approximately \$0.29/sq. ft. Clark Co. used the records from Assessor's office on Un-reinforced masonry (URM) buildings. Less than half were determined to be URMs. Ron Lynn recommends using a placard on the building for first responders to be aware of danger after an earthquake.

9. ADJOURN

Craig dePolo adjourned the meeting.