

Nevada Earthquake Safety Council
Nevada Division of Emergency Management
Nevada Seismological Laboratory, and
Nevada Bureau of Mines and Geology

Nevada Division of Emergency Management and the Nevada Earthquake Safety Council

Earthquake programs in Nevada are currently administered by the Nevada Division of Emergency Management. As federal earthquake funding sources change the process of awarding grants, and amounts are drastically reduced, the partnership of agencies with interest in earthquake safety in Nevada increases in order to leverage all available resources. Since its inception in 1992, the Nevada Earthquake Safety Council continues to provide a forum for the stakeholders to facilitate public input, develop consensus about seismic issues between the public and private sectors while serving as a public advisory body for Nevada's seismic policy.

In November of 2013, the Nevada Earthquake Safety Council (NESC), the Utah Seismic Safety Commission, the Idaho State Hazard Mitigation Officer and the Colorado Geological Survey held a joint meeting with a focus on earthquake issues related to the WSSPC policies, unreinforced masonry buildings, non-ductile concrete buildings, mutual aid, examples of outreach, awareness, partnerships and challenges.

In cooperation with NESC, the Nevada Bureau of Mines and Geology (NBMG), and the Nevada University system, Clark County Building is undertaking an initiative to ground proof the URM data through verification of location, type of construction and structure status. "

Nevada Seismological Laboratory

The Nevada Seismological Laboratory (NSL) promoted the Great Nevada Shakeout on October 17, 2013 at 10:17 am with participation of 560,000 registered participants statewide. Participation included all 17 school districts, NV Energy, Boyd Gaming, along with 42 other local small businesses both in northern and southern Nevada. Graham Kent, Director for the NSL worked with Casinos in northern Nevada, competing for events, requiring participation in the Nevada GreatShakeout in order to be considered as a contender for the events. More information is found at the Nevada ShakeOut website <http://www.shakeout.org/nevada/>

Nevada Bureau of Mines and Geology

The NBMG continues to enhance the GIS capabilities to provide awareness, risk assessment (including earthquake fault identification and characterization) and vulnerability analysis statewide. The MyHazards website was developed for the public to review residential locations with an overlay of known faults statewide and functions in mobile devices. HAZUS input data continues to be enhanced, including adding a statewide inventory of potential URM buildings. The NBMG led the Nevada HAZUS users group and HAZUS training for local governments. The NBMG also supports MyPlan website, a confidential site for planners and emergency managers to review risk to their community from earthquake. A very large earthquake catalog with many annotated events is being developed for these websites and should be released early in 2014.

The Earthquake Hazard and Mitigation Section for the Douglas County Hazard Mitigation Plan was developed and written by the NBMG. The report reviewed earthquake faults in Douglas County and identified the eight largest faults that could potentially shake the County with devastating effects. These faults were characterized and analyzed for their earthquake potential and the consequences of largest expected events along them were modeled using the HAZUS loss-estimation program. Many recommendations for earthquake awareness, planning and mitigation were made. We continued in 2013 to give earthquake hazard talks to county officials at their local county seats; this is an important level of governance during emergency responses and recovery so there is great benefit to developing their background and capability with earthquakes.