

## MEETING MINUTES

### COLORADO EARTHQUAKE HAZARD MITIGATION COUNCIL

12:30 noon to 2:30 PM, March 18, 2021

#### Remote ZOOM mtg

Steve Board, Oliver Boyd, Michael Haughy, Rob Jackson, Holly Janowicz, Sean McGowan, Matt Morgan, Keith Porter, Robin McGuire, Dee Stevens, Mark Zellman.

1. **Introductions, if needed**
2. **Additions to agenda**
3. **Approval of minutes from the January 21, 2021 meeting -- APPROVED**
4. **Rob Jackson gave presentation on impending impacts to the Seismic Design Categories of schools along the Front Range. These changes initiate from the 2018 NSHM and, in conjunction with the Provisions of the 2020 NEHRP, will propagate into the 2022 ASCE7 and the 2024 International Building Code.**

Earthquakes happen in low-seismicity areas and have big impacts. Boston 1755, Estes Park 1882, Western Uzbekistan 1976. In CO, thanks to changes in site classification, it's easy to get to SDC A. He advocates for continuing to push for at least SDC B and include the inexpensive nonstructural provisions that wind doesn't address. Keith doesn't know what the BCR for the nonstructural provisions would be in Colorado, but probably high.

5. **Continue discussion of the 2020 Building Resilient Infrastructure and Communities (BRIC) program and the Mitigation Project Proposal entitled "Colorado Earthquake Resilience Investigation – Code Review & Rapid Visual Screening Pilot Study." Steve Board provided an update.**

Colorado's BRIC proposal was submitted to FEMA around Jan 30, 2021. There were 31 sub-applications submitted as part of one state-level application. Our proposed screening project was ranked highest. Will probably be approved around July or August. He hopes it will lead to a bigger BRIC application next Jan. Next solicitation will come out in July or August. He reviewed \$500 M in 109 infrastructure grant apps. His goal was to get \$10M for 3 projects plus \$600,000 in set-aside money.

6. **Critical Facilities Inventory Subcommittee. Keith Porter will lead a discussion on whether Colorado's current number of certified CalOES Safety Assessment Program (SAP) evaluators is sufficient.**

Keith recapped his calculations from the memo Rob distributed. We agree that we may have a problem. Steve's BRIC grant may advance the training program. Michael asked if we couldn't get non-structural engineers certified. Keith replied not through Cal OES, but in principle Colorado could start its own certification program that certified non-structural PEs.

7. **Update of CGS/CEHMC website: <https://coloradogeologicalsurvey.org/hazards/eq/cehmc/>**

Shall we add 3 items to the web page: project summaries, roster bio sketches, and links to related organizations? Matt says CGS can't link to private companies. Rob and Matt will work to make sure the roster is up to date. Robin opposes providing member bio sketches.

8. **Discuss any new relevant seismic hazard updates for the state; new/ongoing projects, research, or any other topics of interest.**

Keith is willing to give training in 5 months pro bono if the state or feds pay for the books (at \$45 per trainee), otherwise will charge for the books and time.

**9. Date of next meeting: March 18, 2021**

**10. Possible future speakers:**

- a. Kathleen Wilmes of DHSEM on Utah Wasatch Fault Earthquake preparation, a Colorado perspective.
- b. Bob Kirkham
- c. Oliver would speak about the boundary between WUS and CEUS.
- d. Kyren Bogolub is willing to speak about seismic stations.

**2021 meeting schedule: Jan 21, March 18, May 20, July 15, Sept 16, and Nov 18**