

Adopted
Utah Seismic Safety Commission
Quarterly Meeting Minutes (Hybrid), Kletting Room at Utah State Capitol

On July 6, 2023, a regularly scheduled quarterly meeting of the Utah Seismic Safety Commission (USSC) was a hybrid meeting. The USSC Chair, Keith Koper, called the meeting to order at 9:00 a.m.

Members Present:

Keith Koper, Chair	University of Utah Seismograph Stations
Steve Bowman, Vice-Chair	Utah Geological Survey
Jessica Chappell, Vice-Chair	Structural Engineers Association of Utah
Leon Berrett	American Public Works Association
Steven Bruemmer	American Institute of Architects, Utah Disaster Assistance
Kris Hamlet	Utah Division of Emergency Management
Patrick Tomasino	Utah Division of Facilities and Construction Management
Peter McDonough	American Society of Civil Engineers
Joaquin Mixco	Utah Department of Transportation
Rhett Larsen	Utah State Board of Education
Robert Grow	Founding Chair Emeritus, Envision Utah
Divya Chandrasekhar	University of Utah
Evan Curtis	Utah Governor’s Office Planning and Budget
Orion Goff	Utah League of Cities and Towns
Ari Bruning	Envision Utah (Ex-Officio)
Sean McGowan	Federal Emergency Management Agency (Ex-Officio)

USSC Staff Present:

John Crofts	Utah Division of Emergency Management
Debbie Worthen	Utah Division of Emergency Management
Adam Hiscock	Utah Geological Survey
Emily Kleber	Utah Geological Survey

Guests Present:

Sara Hamideh	National Institute of Standards and Technology
Emily Morton	University of Utah Seismograph Stations
Brent Maxfield	The Church of Jesus Christ of Latter-day Saints
Georges Bonnet	The Church of Jesus Christ of Latter-day Saints
George Deneris	Utah Division of Risk Management
Glen Palmer	Palmer Engineering
Kathy Holder	Utah Division of Emergency Management
Pascal Schubach	Cascadia Region Earthquake Workgroup
Janell Woodward	State of Nevada, Earthquake Program Manager
Loren Blauer	Resident of Bountiful
By Invitation	Local Chapter Members of the American Society of Civil Engineers

Members Not Present (excused):

Kyle Becker	Utah Insurance Department
Chris DuRoss	U.S. Geological Survey (Ex-Officio)

Welcome and Introduction of Members and Visitors/Approval of Minutes

Keith Koper asked for introductions and invited attendees to introduce themselves. He asked for a review of the minutes.

Keith asked for a motion to approve the minutes from April 27, 2023, USSC meeting:

Rhett Larsen made a motion to approve the minutes.

Jessica Chapell seconded the motion to approve the minutes.

The motion unanimously carried.

Elections

Keith announced that he would not be running for Chair and opened the nominations. **Jessica Chappell** nominated Robert Grow for Chair. By acclamation, Robert Grow was unanimously elected Chair of the Commission. Divya nominated Jessica Chappell and Steve Bowman for Vice-Chairs. By unanimous vote, both Jessica Chappell and Steve Bowman were elected as Vice-Chairs.

Pete McDonough made a motion to thank Keith for his service, **Evan Curtis** seconded the motion, and the motion passed by unanimous approval of the motion.

Discussion of Commission Member Opening

Keith thanked Rhett Larsen for his service to the Commission and announced that Rhett would be resigning his position.

Rhett Larsen thanked Keith and various members and staff of the Commission for their service. With his added responsibilities, he is resigning. **Rhett** made a motion for **Dean Dykstra** to fill his position in the Commission.

Keith explained that Director Hamlet from the Utah Division of Emergency Management (DEM) would appoint the new position. Keith opened the discussion for recommendations to submit to Kris Hamlet for consideration of a new Commissioner. Additional names were discussed and put into consideration.

Patrick Tomasino seconded the motion to recommend Dean Dykstra. The motion to recommend Dean Dykstra to Director Hamlet was unanimous. Kris Hamlet accepted the recommendation and said he would send Dean a letter.

Jessica made a motion that the USSC Executive Committee spend some time looking at organizations and changes and structures of recommended subcommittees for upcoming meetings and have the changes related to the organization or person who is deeply involved. **Leon** seconded the motion. The motion unanimously passed.

Legislative Sunsetting of Commission and Exercise with Governor's Office

Kris Hamlet mentioned that on August 9th, the USSC will be under review for sunseting. He provided details and asked for Commission support to attend the meeting. He invited Commission leadership to attend the meeting. The Governor's Earthquake Training September 14th daylong exercise with the Governor's Staff regarding earthquake details were finalized. Kris explained that the recent Turkey earthquake caught the Governor's attention, and they wanted to work on a daylong presentation; details will follow.

Presentation – Salt Lake Temple Methods and Process

Brent Maxfield provided a special presentation to the Commission regarding the seismic improvement project with the Salt Lake City Temple on Temple Square. The presentation was prepared and approved by The Church of Jesus Christ of Latter-day Saints for presentation to the Commission. This presentation was very well received and appreciated by all the Commission members.

National Institute for Standards and Technology Center of Excellence—Disaster Modeling

Sara Hamideh provided an in-depth presentation on the National Center for Standards and Technology Center of Excellence and a presentation on disaster modeling including different features of various seismic features. She discussed these modeling and tools as tools that had been made in previous modeling. She discussed the details of input details and the combination of the impact hazard models. She demonstrated the various hazard models and took questions.

Envision Utah—Functional Recovery

Ari Bruening discussed Utah building codes and seismic resilience. His presentation included code performance expectations for immediate occupancy, life safety, and collapse prevention. He discussed what we typically design for and explained the 2/3 of code maximum considered for ground acceleration and 10% probability of collapse. He explained the probabilistic versus deterministic ground motions. He discussed the possibility of building to a higher functional recovery standard. He opened the presentation for questions and discussion.

Keith Koper said the next Commission meeting would be October 26th and thanked everyone for their continued service to the Commission.

By acclamation, the meeting was adjourned.

ACTION ITEMS

Completed Action Items

- Broad Committee to increase subcommittees and include more people in the Commission. Public Education Subcommittee, bring people from the local education authorities to participate. Discussed at the Executive Committee meeting, other committees may be presented later.
- The Governor and Lt. Governor's earthquake exercise will be followed with additional details. (Status: The Governor's Office canceled the event due to meeting conflicts.)
- Reserve Room for the October 26th Hybrid meeting.
- Finalize Commission website to <https://earthquakes.utah.gov>.
- Update Commissioners names and affiliations on the Governor's Boards and Commissions website.
- DEM will work with AECOM to present the URM Feasibility Study and recommendations to the Commission. (Meeting invite: November 14th from 1:00 to 2:30 p.m. Commissioners invited)

- Ari Bruening officially added to the Commission website.
- Robert Grow's title corrected on the Commission website.
- Direct URL link to the Unreinforced Masonry (URM) Inventory on the website.
- List Envision Utah as a partner organization on the Commission website.
- Create a quick link section on the Commission website, including schools and infrastructure, 2023 USSC Recommendations, etc.
- Commission recommendations.

In Progress Action Items

- The Commission needs to get additional members in Ex-Officio status. Discuss the addition of Ex-Officio members to the Commission at the next Executive Committee meeting and report suggestions at the next quarterly Commission meeting.
- Eric Martineau and Patrick Tomasino to provide additional information on Utah's building codes.
- Ongoing link to Legislative publications.
- Jessica Chappell recommended having a soft story retrofit report from California to be included in the study.
- Continue to work with the Utah State Board of Education (Superintendents) to support and endorse the Commission's recommendations.

Please note, this meeting was hybrid. Efforts were made to document the attendees. Some guests may not have been captured. Please contact John Crofts if there are attendees who were not recognized. The presentation time slots from the published agenda were modified to accommodate the speaker's request.