

**SUMMARY
ELEVENTH MEETING
WORKING GROUP ON UTAH EARTHQUAKE PROBABILITIES
Wednesday & Thursday, February 5 & 6, 2014
Utah Department of Natural Resources Building, Room 2000 (2nd floor)
1594 West North Temple, Salt Lake City, Utah**

WELCOME AND INTRODUCTION

Working Group on Utah Earthquake Probabilities (WGUEP) Chair Ivan Wong called WGUEP Meeting Eleven to order at 3:45 p.m. on Wednesday, February 5, 2014. After welcoming the Working Group members, Utah Geological Survey (UGS) staff, and invited guests (attachment 1), Ivan reviewed the meeting agenda (attachment 2), which consisted of two principal items: (1) carefully review the current draft of the WGUEP report to identify remaining technical/format/completeness issues, and (2) discuss when and how the final WGUEP report will be released to the public.

The input data and results of the earthquake recurrence and probability calculations in the current draft report are proprietary to this process and are not part of public records under the Utah Government Records Access and Management Act until released in the WGUEP final report. Therefore, those preliminary results and other information relevant to the input data and preliminary recurrence and probability calculations are not posted on the WGUEP website at <http://geology.utah.gov/ghp/workgroups/wguep.htm>.

REPORT REVIEW

Ivan reviewed changes to the draft WGUEP report (now ~90% complete) since Meeting Ten, and then led a systematic section-by-section review of the report. Working Group members provided comments and advice to section authors as appropriate. Additionally, some Working Group members gave previously prepared written comments to section authors. Results of the review showed that several sections are either not complete or require revision/modification. Three sections remain outstanding, and as of meeting Eleven, had not been provided to Ivan for incorporation into the report; they are (1) Fault Dip, (2) Crustal Deformation from Geodetic Data, and (3) Appendix E—Development of an Earthquake Catalog and Calculation of Seismicity Rates for the Wasatch Front and Surrounding Utah Region. Additionally, it was agreed that a new first-order section heading titled “Rupture Models” is required, within which the various fault models employed in the WGUEP process (unsegmented, segmented, floating earthquake, linked, antithetic fault pairs, etc.) will be described. Considerable discussion was devoted to format issues and the need to follow a consistent format throughout the report. Text, table, and figure format will likely follow existing UGS guidelines; references may be formatted to facilitate later publication of WGUEP results in professional journals. Steve Bowman agreed to have the UGS draft some new figures and modify some existing figures for the report. Additionally, the Executive Summary, Introduction section, and Future Directions and

Limitations section were singled out as requiring significant expansion; Ivan invited Working Group members to provide ideas and draft text for those parts of the report.

Following the review session, Ivan polled the individual section authors with revisions to make (Bill, Chris, David, Jim, Mike, Nico, Patricia, Susan, Tony, and Walt) to determine when they could get their revised or outstanding sections to him. It was agreed that March 7, 2014 is the deadline to get all revised/outstanding materials to Ivan. At that point, Ivan and Bill will format the report and submitted it to the U.S. Geological Survey and the National Earthquake Prediction Evaluation Council for formal review. It is hoped that the Working Group can have a reviewed and revised final draft report ready to submit to the UGS for publication by September 2014.

WGUEP REPORT RELEASE

Bob Carey, Utah Division of Emergency Management (UDEM), was invited to attend Meeting Eleven to provide insight and advice regarding the most effective manner to release the WGUEP final report. The UDEM has community support (public affairs) personnel that can assist with preparing press releases and arranging media contacts/events. It was Bob's opinion that the optimum time for releasing the WGUEP report is in conjunction with other planned earthquake awareness activities when the public and media are focused on earthquake issues. Given the time frame for completing, reviewing, and publishing the final WGUEP report, Bob suggested that the Great Utah Shakeout Exercise scheduled for April 2015 may be the best time to release the report. That option remains tentative and depends on how long it takes to prepare a final publication.

MEETING ADJOURNED

WGUEP Meeting Eleven was adjourned at 2:00 p.m. No schedule was set for a possible Meeting Twelve.

ATTACHMENT 1

Attendance Working Group on Utah Earthquake Probabilities Meeting 11 Wednesday & Thursday, February 5 & 6, 2014

Walter Arabasz, UUSS*
Chris DuRoss, UGS
Mike Hylland, UGS
Nico Luco, USGS
Bill Lund, UGS, Coordinator
Susan Olig, URS Corporation
James Pechmann, UUSS*
Steve Personius, USGS
Mark Petersen, USGS
Dave Schwartz, USGS
Patricia Thomas, URS Corporation
Ivan Wong, URS Corporation, Chair

Others attending
Steve Bowman, UGS Liaison to WGUEP
Bob Carey, UDEM

*UUSS (University of Utah Seismograph Stations).

**ATTACHMENT 2
AGENDA
WORKING GROUP ON UTAH EARTHQUAKE PROBABILITIES
MEETING #11
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Wednesday, 5 February

4:00 – 4:30	Overview of Draft Report and Changes Since Meeting #10	Ivan/Patricia
4:30 – 5:30	Review of Draft Report	All

Thursday, 6 February

7:30 – 8:00	Continental Breakfast	
8:00 – 10:00	Review of Draft Report (continued)	All
10:00 – 10:15	Break	
10:15 – 11:00	Review of Draft Report (continued)	All
11:00 – 12:00	Discussion on Rollout of Report	All
12:00 – 12:30	Lunch	
12:30 – 1:30	Discussion on Rollout of Report (continued)	All

WGUEP Members

Ivan Wong, URS (Chair)	Mark Petersen, USGS	Chris DuRoss, UGS
Bill Lund, UGS (Coordinator)	Steve Personius, USGS	Mike Hylland, UGS
Walter Arabasz, UUSS	David Schwartz, USGS	Susan Olig, URS
Jim Pechmann, UUSS	Nico Luco, USGS	Patricia Thomas, URS
Tony Crone, USGS	Bob Smith, UUGG	

Other Participants

Steve Bowman, UGS
Bob Carey, UDEM