

CREW Summer Quarterly Meeting Minutes

Held at the Oregon Department of Geology
and Mineral Industries (DOGAMI)

800 NE Oregon St., Room 1D
Portland, Oregon 97232

Wednesday, July 16, 2008

10:00 AM Board Business Meeting:

1. President Bob Zimmerman called the meeting to order at 10:05 am. A quorum was present. All members introduced themselves and all guests were welcomed to this record-setting attended meeting. Vicky McConnell, Oregon State Geologist welcomed the group to Portland.

2. Below is the attendance list for the meeting:

Name	Position	Organization	Attendance		
			In – Person	Phone	Absent
Executive Board:					
Robert Zimmerman	President	Boeing	X		
Andre LeDuc	Vice President	University of Oregon		X <i>(partial)</i>	
Steve Charvat	Secretary	University of Washington	X		
Timothy Walsh	Treasurer	WA State Dept. of Natural Resources	X		
Bob Freitag	Executive Director	CREW	X		
Board of Directors					
Stacy Bartoletti	Board Member	Degenkolb Engineers			X
Maiclaire Bolton (<i>alt. for Jim Whyte</i>)	Board Member	BC Provincial Emergency Program		X <i>(partial)</i>	
Gail Dreckman	Board Member	Bonneville Power Admin.	X <i>(partial)</i>		
Jim Goltz	Board Member	California OES Northern Regional Administrator			X
Matthew Mabey	Board Member	Oregon Department of Transportation	X <i>(partial)</i>		
Charlie Macaulay	Board Member	Global Risk Consultants	X		
Vaughan Mason	Board Member	WorkSafe Technologies			X
Ines Pearce	Board Member	Pearce Global Partners			X
Woody Savage	Board Member	USGS			X
Fredrick Savaglio	Board Member	Virginia Mason	X		
Joan Scofield	Board Member	Office of the Insurance Commissioner	X		
Tracy Skinner	Board Member	WSRB			X
Dave Spicer	Board Member	US Army Corp of Eng.			X
Bill Steele	Board Member	University of WA			X

Name	Position	Organization	Attendance		
			In – Person	Phone	Absent
		Geophysics Program			
Ann Steeves	Board Member	Oregon HHS Region 2			X
Yumei Wang	Board Member	DOGAMI	X		
Craig Weaver	Board Member	USGS		X (partial)	
James Whyte	Board Member	BC PEP			X
CREW Members:					
Joan Gomberg	Member	US Geological Survey	X		
Lou Clark	Member	CREW	X		
James Bela	Member	OR EQ Awareness	X		
Tamra Biasco	Member	FEMA Region X	X		
Visitors/Guests/:					
Jeff Hartson	Guest	Cowlitz County Fire/Rescue & Red Cross	X		
Vicki McConnell	Guest	OR State Geologist	X		
Chris Ritten	Guest	Worksafe Technologies	X		
John Ewert	Guest	USGS Cascades Volcano Observatory	X		
Doug McGaillivray	Guest	Pacific Power	X		
Cynthia Gardner	Guest	USGS Cascades Volcano Observatory	X		
John Eichelberger	Guest	Volcano Hazards Program		X	
Dave Mayer	Guest	Bonneville Power Administration	X		

2. Approval of Minutes

Steve Charvat presented the DRAFT minutes of the April 22, 2008 meeting in Seattle, WA at the National Earthquake Conference at the downtown Seattle Westin Hotel. Fred Savaglio moved and Craig Weaver seconded that the minutes be approved as presented. The motion was approved unanimously with the corrections of (1) changing the “status” of the following attendees from “Guest” to “Member”: Joan Gomberg, Lou Clark, Tamra Biasco and James Bela and (2) correcting the dates of the Fall Board Retreat in BC to October 2008 (not September).

3. Financial Report

Treasurer Tim Walsh presented a general overview of the current CREW financial report. CREW currently has \$701.62 balance in saving and \$111,043.05 in checking with \$13,784.79 in receivables (primarily from FEMA). Current payables of \$95,018.06 (mostly for the April NEC Conference). The financial report passed unanimously. The National Earthquake Conference made a profit.

4. Project Team Reports

- a. Business/Homeowners Risk Reduction (Ines Pearce) – Ines Pearce was not present for a report; however, Bob Freitag reported that DRB contingency planning online kit is being planned (free-of-charge). The toolkit is long overdue and should have been “out on the street”. The Board suggested that the Executive Director draft either a written letter or have President Zimmerman contact Ms. Pearce expressing our concern over the ongoing delays and our anxiousness in getting the product available publicly. Fred Savaglio suggested that a follow-up written letter to Ms. Pearce. Jim Bela moved that in future meetings each Project Team leader submit a written report PRIOR to the meeting with the Executive Director to send reminders to each Project Team Lead 30 days in advance. Fred Savaglio seconded the motion. The motion passed unanimously.
- b. Emergency Management Organizations – (David Spicer) No report.
- c. Scenario Development: Impacts Document Developed from Exercises The Board discussed the distribution and use of completed documents. Craig Weaver noted that the USGS is working on a number of reports, including South Whidbey Island and North Bend – both different from the other CREW scenarios. They will look at “what is vulnerable” to strong ground shaking. First public workshops are tentatively scheduled for September 2008 and they would like to have CREW involved. Craig Weaver also noted that he is on a PNWER project “Columbia Basin Project” steering committee. It is a 4-year project to examine dams, levees and transportation systems and the impact of flooding. This is being funded by US Homeland Security for \$40,000 to PNWER to coordinate. There is a pilot program being developed over the first year for a limited geographical area (primarily near Hanford and the Tri-Cities area).

Craig Weaver also reported that he is also working with PNWER to begin analyzing a major ash event. This is all a very preliminary issue at this time. CREW could be a valuable asset in this project and scenario development looking at the interdependencies among the various infrastructure segments to build a stronger sense of resiliency. Bob Freitag noted the interest in doing coastal forums and individual workshops with emergency managers and local elected officials.

Joan Gomberg asked the Board to address the use of the current CREW documents instead of developing new documents. The Board noted that there needs to be a “Business Case” for each new document/study to ensure use of these documents in the CREW region. The basic goal is to identify “gaps” in research then develop a product to fill that information gap. The previous 4 documents have met that goal. James Bela noted a future EERI will soon be having a scenario development workshop to set up standards for future scenarios. Yumei and Andre are both on the EERI working group. This workshop would be to update a current EERI document on scenario development. EERI and USGS are supporting this effort.

- d. Professional Community Involvement – Andre LeDuc noted that there was nothing to report on this agenda item.
- e. National Earthquake Conference Wrap Up – Bob Zimmerman noted that the 2008 NEC Conference was a success and it did not run a deficit. Lou Clark reported on the ratings of the participant evaluations of the conference. The conference was rated very highly based on evaluations (all scoring at least 4.0 on a 5-point scale). The most common suggestion for improvement, was to reduce the number of plenary sessions and include more focused breakout sessions (by themes and/or repeated). The exhibitors were slightly less supportive in their comments, primarily noting their need for more exposure. CREW board members were asked to submit their comments to Bob Freitag and/or Lou Clark within the week on the DRAFT conference evaluation report. A letter will be sent to the speakers and the exhibitors. The sponsors were also sent the draft evaluation already as well as the Steering Committee members.
- f. Grants Committee – Andre LeDuc reported that there is nothing new to report. However, he has been working with Cannon Beach and the long-term recovery forums. They want to develop a long-term recovery plan that follows NFPA standards. He is looking for funding opportunities to support this effort. This will be discussed more at the Fall 2008 retreat.
- g. Fall 2008 Retreat Planning – Andre LeDuc reported on a handout that was passed out at the meeting. The retreat will be in October 15-17 in Sydney, BC. Andre reported on the high points of the data collection process, including each of the phases. There will be a kickoff meeting, an environmental scan (Executive Board members, create and distribute internal survey, stakeholder survey, and develop a draft strategic plan). The October retreat will be key

to the development of this process with the first review of the data collected to that point. A Project Budget and Schedule were presented. Facilitators from the University of Oregon will be utilized as subject matter experts for this project.

- h. Quarterly Meeting Program – The next quarterly CREW Board meeting will take place in October 16-17 in British Columbia and will focus solely on the CREW strategic planning process. The next 2 quarterly Board meetings will (tentatively) take place on Thursday, January 22, 2009 in Tim Walsh’s office in Olympia, and then on Thursday, April 23, 2009 (location TBD)



5. New Business

- a. Board Elections – President Zimmerman took this item out-of-order due to timing matters at 11:03 am. The members were directed to the 2 lists attached to the information packet. No new members were solicited due to the pending Fall retreat and possible changes to the structure. New people on the Board were due primarily due to changes in their official positions (i.e, Maillian Uphaus, Althea Turner, Tamra Biasco). All people on the Board committed coming to the retreat in October. The slate of proposed Board members will include Bill White that was proposed and submitted by the Executive Board. Matthew Mabey moved to accept the slate as proposed by the Executive Board. Joan Scofield seconded the motion. Tamra Biasco and Joan Gomberg both introduced themselves and presented their qualifications. The motion passed unanimously. Jim Bela noted that future Board membership should include more individuals from the southern part of the Cascadia subduction zone.

- b. Discussion of Impacts of Volcanic Eruptions in Cascadia and Possible CREW Involvement – John Eichelberger (via phone) noted that there is insufficient general knowledge of a large-scale Cascadia volcanic ash event. The USGS is starting a more detailed dialogue with CREW on this topic. A 6-page Powerpoint handout was referenced as part of John’s presentation. John Ewert from the Cascades Volcano Observatory noted the top 2 most events in the cascades: lahars and ash falls. Ash hazards are not a lethal, but impact a larger area and impact more people. Ash impacts both

the ground and the air, including airplanes. John noted a variety of websites, pamphlets and fact sheets on the hazards of volcanic ash fall. The USGS would like to update many of the older publications since they last were updated in the late 1980s. There was a discussion if there are any dedicated professional organizations (similar to CREW) that focus exclusively on volcanic hazards. The answer is: NO. There as general board discussion of how to more effectively engage CREW in this issue with the USGS in mitigating volcanic risks in the Cascadia region. This issue will likely be discussed at the October retreat.

LUNCH BREAK (The Board took a lunch recess from 12:15 until 1:30 pm)

Afternoon Activities (the Board reconvened at 1:30 pm)

The afternoon meeting continued the discussion of the May 2008 East Sichuan (China) earthquake and possible CREW involvement and implications for the Pacific Northwest. Joan Gomberg set the stage by providing a geological context using a Powerpoint presentation. She pointed on the similarities and differences to an event in the Cascadia region. Both are collisional, but the Cascadia is subduction (one plate diving under another). It is coincidental the both China and Cascadia have approximately the same recurrence rate. The Sichuan earthquake was quite large (nearly 8.0 magnitude), much larger then expected crustal fault earthquakes in Western Washington. Tim Walsh noted that the Seattle Fault is considerably shorter than the fault of the recent Sichuan fault. The next Multi-hazard Roundtable is on September 24th and will focus on the Sichuan earthquake.

Charley Macaulay presented a summary presentation on the East Sichuan earthquake from the finds of a joint venture with Global Risk Miyamoto. His presentation focused on actual physical damages (lots of photos). They did not learn much from a structural standpoint, but reinforced the lessons of mitigation efforts to physical infrastructure. A full-length investigation report was passed out for review. Charley will send an electronic version to Bob for posting on the CREW website. The most severe damage was un-reinforced masonry and non-ductile concrete.

Yumei Wang concluded the 3-part presentation by discussing major action items: fix schools and strengthen critical infrastructure. Yumei noted that due to the extreme amount of local and national media coverage, there has been a recent amount of coverage on the structural stability of Northwest US schools and other critical infrastructures. The median age of Oregon schools is over 40 years old – most built in the 1960s. She concluded with a few ideas for CREW activities into the future, including a focus on dangerous schools and/or URMs and to increase the availability of manageable “carrots” and involving partners, including the Oregon Department of Education, sustainability

groups, the media, etc...) Her presentation gave 6 specific examples of potential CREW activities. Yumei's presentation was followed up by a presentation by Ken _____, a local lawyer and sustainable development expert in the Portland area. He briefed the board on the Sustainable Sichuan Schools Initiative.

There was discussion of CREW's role in this proposed school earthquake preparedness activity, focusing on structural awareness and strengthening.

The CREW Board of Directors Summer 2008 Business Meeting adjourned at 3:___ pm.

Respectfully Submitted,

A handwritten signature in blue ink that reads "Steven J. Charvat". The signature is written in a cursive style with a large initial "S" and a distinct "A" and "T" at the end.

Steven Charvat, CEM
CREW Secretary