

## Summary Minutes

### Nevada Earthquake Safety Council

23 August 1996

The Nevada Earthquake Safety Council met from 9:00 a.m. to 4:05 p.m. on 23 August 1996 at McCarran Airport in Las Vegas.

John Anderson, Chairman of the Council, opened the meeting with introductions.

Individuals attending the meeting are members of the Council.

John Anderson\*, UNR Seismological Laboratory  
 John Bell, Nevada Bureau of Mines and Geology  
 Mike Blakely\*, Structural Engineers Association of Nevada  
 Bob Cullins, Las Vegas Emergency Management/Fire Department  
 Craig dePolo, Nevada Bureau of Mines and Geology  
 Ben Edgar\*, Lyon County Public Works  
 Jim Goodfellow, Deputy Chief, Office of Emergency Management (ex officio)  
 Debbie Hinmon, Nevada Bell  
 Larry Johnson\*, SEA Inc.  
 Josh Kaufman, Southern Nevada Homebuilders  
 Mike Kloberdanz\*, Nevada Public Service Commission (afternoon only)  
 Ron Lynn\*, Clark County Building Department  
 Ken Olive\*, Sierra Pacific Power  
 Jon Price\*, Nevada Bureau of Mines and Geology  
 Kelly Quinn, EMS  
 Jim Reagan, Sierra Pacific Power  
 Burt Slemmons\*, University of Nevada, Reno (retired, Las Vegas consultant)  
 Greg Smith\*, Nevada Association of Counties  
 Mark E. Verke  
 Charles P. Watson\*, Advanced Geological Exploration and Seismo-Watch  
 David Weide\*, UNLV Department of Geoscience  
 Jim Werle, Converse Consultants SW

\* indicates member of the Board of Directors.

A quorum of directors (the necessary 11) was present.

Board Members not attending:

Alma Bromley\*, Nevada Resort Association  
 Steve Drummond\*, Pegasus Gold/Florida Canyon Mine & Nevada Mining Association  
 Craig Heidel\*, State Farm Insurance  
 Frank Hoke\*, Parc de Maison  
 Gary Pierson\*, State Department of Education  
 Jess Traver\*, Building Official

## OLD BUSINESS

### SUGGESTED GUIDELINES FOR EVALUATING POTENTIAL SURFACE FAULT RUPTURE/LAND SUBSIDENCE HAZARDS IN NEVADA

Jim Werle proposed a resolution to the Council on Suggested Guidelines for Surface Fault Rupture/Land Subsidence Hazards in Nevada.

As background, Jim noted that in September, 1995 the Council established a committee to investigate the need for standardized seismic hazard investigation guidelines. The committee consisted of members of the professional communities from northern and southern Nevada who conduct seismic hazard investigations for construction or engineering purposes. The early consensus of the committee was that a standardized set of guidelines should be prepared, and the Great Basin Section of the Association of Engineering Geologists (AEG) in Reno and the Southwestern Section in Las Vegas took the lead in preparing draft guidelines.

The "Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada" incorporates procedures and standards similar to those in other seismically active states and conforms to informal standard practice guidelines presently used in the Nevada geotechnical industry. In November, 1995, the draft guidelines were presented to the Earthquake Safety Council and distributed to the professional communities statewide for review and comment. The final version of the guidelines was completed in July, 1996, and it incorporated changes based on the review process and consensus opinion.

The final version of the guidelines has broad majority support of the professionals who conduct fault rupture hazard investigations, and it is presently being distributed as standard practice guidelines by AEG in Nevada. The guidelines are designed to be an evolving document subject to periodic review and revision.

Josh Kaufman expressed concern that the guidelines may be too generalized.

Ron Lynn noted that there are existing regulations in Clark County with regard to special geotechnical investigation zones within 2,000 feet of faults, regardless of age. These regulations call for a five-foot setback from faults, again regardless of age. Burt Slemmons noted that there are significant branches of faults seen in trenches, and therefore a fifty-foot setback from active faults, as in Part 6a of the Suggested Guidelines, is better.

Ron Lynn moved "that the Council recommends the use of the *Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada* as presented on August 23, 1996 by the Great Basin and Southwestern Sections of the Association of Engineering Geologists, recognizing that the governing standards are the current locally adopted codes and ordinances." Larry Johnson seconded the motion. The date on the Suggested Guidelines is July 30, 1996, and the version is V1.0.

Greg Smith questioned how these guidelines will be implemented. What will a building official in Carson City do with these guidelines? There has been no input from property owners and builders.

Craig dePolo suggested that these guidelines be viewed as the recommendations from the scientific and engineering community, as a starting point for adoption of local

codes and ordinances. The property owners and builders should certainly have input as local codes and ordinances are developed.

Ron Lynn noted that the local codes are minimum standards.

The members of the board approved the motion unanimously. According to the Bylaws of the Council passage of a proposed resolution or recommendation can be by one of two methods: "(a) after discussions at two quarterly meetings at which a quorum of Directors is present followed by a two-thirds majority vote of the Directors present, or (b) after discussion at one quarterly meeting at which a quorum of Directors is present followed by unanimous vote of the Directors present."

John Anderson asked about the procedures for amending the "Suggested Guidelines." Jim Werle suggested that the Geoscience Standing Committee of the Nevada Earthquake Safety Council, chaired by John Bell, take on this responsibility. John Bell proposed that Burt Slemmons follow the course of the guidelines, organize technical discussions about the issues, and make recommendations to the Geoscience Committee. Craig dePolo suggested that the Geoscience Committee annually review the guidelines. Burt Slemmons noted that perhaps after the first year the guidelines may not need to be reviewed each year. John Anderson asked Burt Slemmons and the Association of Engineering Geologists to work together within the next year to review the guidelines.

Jim Goodfellow offered the services of the Office of Emergency Management in distributing the guidelines. Ron Lynn suggested distributing the guidelines to professional organizations; he will provide Jim Goodfellow with a list of organizations. He also suggested that OEM distribute the guidelines to the local offices of emergency management, who may forward the guidelines to the local building officials. Greg Smith offered that the Nevada Association of Counties (NACO) could help to distribute the guidelines to county managers. OEM will send a letter to NACO. Josh Kaufman will present the guidelines to the Southern Nevada Homebuilders Association. Larry Johnson noted that the guidelines need to be in the hands of the local planning departments.

Jon Price offered to make them available through the Information Office of the Nevada Bureau of Mines and Geology and the NBMG home page on the World Wide Web. Jon will contact Shawn Gooch to get the electronic copy of the file. NBMG will add a cover page indicating the wording of the motion approved by Council.

Jim Reagan, who chairs the strategic planning committee for the Council, noted that procedures for such actions as implementing Council recommendations are being developed within the strategic plan of the Council.

#### APPROVAL OF MINUTES

The minutes from the meetings on 23 February 1996 were approved. Ron Lynn noted that because there was not a quorum at the 31 May 1996 meeting, there was no need to approve the minutes. Nonetheless, these minutes will be modified with the correction of spelling of Shawn Gooch and corrections to statements made by Jim Bulka.

## REGISTRATION OF GEOLOGISTS

Larry Johnson noted that a bill draft on a definition act has been requested by Assemblyman Brian Sandoval. The Association of Engineering Geologists will scrutinize the bill, in particular with regard to how government agencies will react. Craig dePolo noted that from his experiences there is a need for competent geologists doing fault investigations. Charles Watson noted that the *Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada* open the door for additional discussion about registration. Burt Slemmons noted that Earl Hart of the California Division of Mines and Geology has concerns about the caliber of geologic work that goes into investigations of faults in California.

Mike Blakely and Ron Lynn noted that the Council is not the proper forum for discussion of registration of geologists. Charlie Watson, on the other hand, expressed the opinion that the Council does have a responsibility to assure that competent professionals work on earthquake hazards.

John Anderson referred the issue of the Council's role in assuring the quality of geologic investigations to the Geoscience Committee. A short course for professionals active in the field may be appropriate.

Jon Price noted that a meeting to discuss the issues of a definition bill and registration will be held at 7:00 p.m. on Monday, September 16, 1996, at Great Basin Brewery in Sparks.

## NOMINATING COMMITTEE

The Nominating Committee should propose a slate of directors and a slate of new officers for the next year. Elections of new directors will be at the fall meeting. The expectation is that directors are serious about coming to the meetings, so that there are not problems making a quorum. John Anderson asked that Jim Goodfellow, Jim Werle, and Jim Reagan serve on the committee. John Anderson asked the committee to look at what is best for the State of Nevada; there is no need to continue the officers as they currently stand.

## PROPOSED AMENDMENTS TO THE BYLAWS

Proposals for amendments will be reviewed at the fall meeting. Jim Reagan noted that the Strategic Planning Committee will have some recommendations, concerning rotating terms for directors and officers. Jim suggested that an ad hoc committee look at possible amendments. Ron Lynn suggested that the structure be modified so that all members are voting members (but that others are allowed to serve on committees) and that people who don't show up for three or four consecutive meetings not be voting members. John Anderson asked Jim Reagan to chair an ad hoc committee to coordinate recommendations for changes to the bylaws. Jim should report to Jim Goodfellow about one month before the next meeting so that recommended changes to the bylaws can be provided in writing as part of the agenda.

## NEXT MEETINGS

The next meeting of the Nevada Earthquake Safety will be from 9:00 a.m. to 4:00 p.m. on Friday, November 22, 1996 in Reno. Other meetings planned for coming year are as follows:

Friday, February 28, 1997 in Las Vegas

Friday, May 16, 1997 in Reno

Friday, August 22, 1997 in Las Vegas

Friday, November 21, 1997 in Reno.

## 1997 PROPOSAL TO FEMA

John Anderson discussed the 1996 proposal to FEMA (to fund operations of the Council, underwrite costs of developing the Western Nevada Earthquake Scenario, pay for printing of brochures, producing a Spanish version of the brochure on "Earthquakes in Nevada and How to Survive Them", hold a conference on seismic hazards in southern Nevada (scheduled for November 14-16, 1996). John then asked members of the Council for ideas on what the focus of the FEMA proposal should be.

Charles Watson requested more "exposure money" to advertise the work of the Council. Summaries of the meetings should be provided to local media.

Craig dePolo expressed concern that a southern Nevada earthquake scenario may be premature. The hazard needs to be defined more clearly before developing a scenario. The November conference will help to define the hazards. Ron Lynn agreed; the developers have not been convinced that the hazard exists. Perhaps some funds should be allocated to keep up the momentum from the November conference; this might include an executive summary of the conference (5 to 10 pages). Jim Werle, who is receiving the abstracts for the meeting, noted that there may be several ideas for scenarios that develop from the conference.

Jim Goodfellow noted that 15% of the FEMA funds, at a minimum, must be spent on mitigation. Outreach and education can be part of this. Research toward mitigation may be easier for FEMA to fund than research focusing on a scenario.

Craig dePolo suggested that outside the Reno area, the next community likely to be hit by a major earthquake will be a rural community. He suggested that FEMA funds be used to prepare a publication that would focus on earthquake hazards of the rural communities. Communities that come to mind as having significant threats include Ely, Eureka, Fallon, Battle Mountain, and Pahrump, among others. Idaho has conducted a rural community workshop; Nevada could hold similar workshops. Greg Smith endorsed the concept.

Jim Goodfellow noted that FEMA not only looks at hazards but also numbers of people impacted. John Anderson noted that the Council will continue its momentum with work on seismic hazards in southern Nevada as well as in rural counties.

Ron Lynn suggested using some funds (\$2,000 or so) to bring people in to training sessions on damage assessments responding to earthquake emergencies. Applied Technology Council (ATC) conducts the sessions. Representatives from rural areas could attend these meetings. Ron also noted that there is a self-taught course using slides, which cost less than \$300 per set.

John Anderson suggested a project to let providers of services to tourists know how to respond better to a major earthquake.

Jim Goodfellow also expressed that it would be wise to continue some components of research.

Ron Lynn suggested that materials in the OEM library, including videos, be loaned to rural counties as part increased outreach activities. Dave Weide noted a three-part NOVA earthquake series, copies of which could be purchased by OEM as part of the FEMA grant.

## ANNOUNCEMENTS AND REPORTS

### TELEVISION COVERAGE OF EARTHQUAKES

Charles Watson discussed Seismo-Watch, which is now covered in 27 newspapers. He recently signed a deal with TCI Cable to begin a test market segment of Seismo-Watch graphics on television. This will begin in September in the Reno market on TCI TV's professional segment (channel 12 or 19, covering 120,000 households in the Reno-Carson City area). It will have a one-minute segment for the world followed by a one-minute segment for northern Nevada (seven days a week, twice a day, 8:30 a.m. and 9:00 p.m.). This will progress into a time-sequence video. TCI Cable and Charles Watson split the advertising revenue for the segments. There will be two minutes of advertising. TCI has a 20% interest in the Weather Channel. TCI is approaching the Weather Channel with a proposal to include this information on their broadcasts. The first step to expand is to include southern Nevada. Charles will present a proposal to the Council at a future meeting on getting the Nevada Earthquake Safety Council's name associated with the broadcasts.

### FEDERAL EARTHQUAKE PROGRAMS

John Anderson briefly discussed the new National Earthquake Program that the Clinton administration hopes will replace the National Earthquake Hazard Reduction Program.

### NOVEMBER CONFERENCE ON SEISMIC HAZARDS IN THE LAS VEGAS REGION

Jim Werle discussed the November 14-16, 1996 conference on "Seismic Hazards in the Las Vegas Region - Working Towards an Understanding." Thirty abstracts have been received. Some details are being worked out, including costs for the meeting. Dave Weide noted that UNLV will charge at least \$300 per day for rental of the facility. Individuals interested in receiving the next flier (registration form) should contact Jim Werle (c/o Converse Consultants S.W., Inc., 731 Pilot Road, Suite H, Las Vegas, NV 89119; telephone: 702-269-8336; fax: 702-269-8353; e-mail: converse@enet.net).

### SEISMIC ZONATION

At the May meeting of the Council, it was announced that the USGS is planning to release new maps showing earthquake hazards throughout the United States. Drafts of these maps are available on the World Wide Web on the Internet (<http://gldage.cr.usgs.gov/eq/>). A trend along the eastern side of the Sierra Nevada, including the Reno-Carson City area, has a higher hazard than any area in the lower 48 states, outside California. The new maps, when finally released, may be a key part of redrawing seismic zones. John Anderson suggested that the Geoscience Committee

continue to look into the scientific basis for possible changes of the Zone 3 and Zone 4 designations in western Nevada.

Mike Blakely noted that the USGS maps are the basis for code revisions. He also noted that the hazards along the San Andreas Fault in California are significantly higher than those in Nevada, even though both the San Andreas area and parts of Nevada are designated as Zone 4.

Craig dePolo suggested hosting a one-day workshop in Reno to discuss the hazard and possible responses. Developing a community dialog could be a goal for the FEMA grant for the next year.

John Bell noted that a University of Nevada, Reno team (engineers, geologists, seismologists) produced a report five years ago for the Nevada Department of Transportation that showed acceleration values higher in some parts of Nevada than shown on past USGS maps. Recently the Nevada Bureau of Mines and Geology has been reanalyzing these data and plans to publish revised NDOT maps, along with explanations of assumptions and comparisons with other approaches, such as the old and new USGS maps. For example, one of the differences between the USGS and UNR approaches in the southern Nevada has to do with assumptions regarding induced seismicity associated with Hoover Dam.

John Anderson noted that it is premature to discuss accelerations and seismic zoning in the Las Vegas area until after the November conference.

Larry Johnson noted that there are other codes, other than UBC, such as dam safety regulations, that relate to seismic safety. Spillways are designed for maximum probable floods, but the dams are not necessarily designed for maximum probable (or maximum credible) earthquakes. Larry suggested that more attention be given to dam safety. Craig dePolo suggested that the Council invite Jason King, State Department of Water Resources, head of the state dam safety program, to meet with the Council.

#### WESTERN NEVADA EARTHQUAKE SCENARIO PROJECT

Craig dePolo described an analysis of the probability of having earthquakes with magnitudes greater than 6, 6.6, and 7 in the Reno-Carson City area. He and others at UNR have submitted a manuscript for peer review and publication that uses several approaches to conclude that the probability of a magnitude 6 or larger earthquake occurring in the area in the next 50 years is between 34% and 98%, the probability of a magnitude 6.6 or larger earthquake occurring in the area in the next 50 years is between 9% and 64%, and the probability of a magnitude 7 or larger event occurring in the area in the next 50 years is between 4 and 50%.

The scenario project has completed all technical editing and most style editing on the report. Typesetting has been completed on most of the report. A complete galley proof will be prepared next week. Figures should be finished by the end of the week. A final editing will be completed before printing. Printing should be completed within about six weeks.

John Anderson circulated a draft letter from him, as Chairman of the Council, to be part of the preface for the report.

John Anderson suggested that sets of figures and slides may be useful for a number of people who would like to make presentations about the scenario project.

Craig dePolo suggested that an Implementation Committee be formed to take the next step with the scenario project. Jim Reagan suggested that this committee represent different expertise (architects, engineers, geoscientists, private industry, education awareness, etc.). Volunteers for the implementation committee include Jim Reagan, Press Clewe (he was volunteered in absentia), Craig dePolo, and Jim Goodfellow (as staff support).

John Anderson asked Jim Goodfellow about plans for members of the Council to meet with the Governor to discuss the report. Jim intends to follow up on the recommendation to do this.

Jim Goodfellow suggested that the Council prepare a press release on the scenario project.

#### OFFICE OF EMERGENCY MANAGEMENT

Jim Goodfellow noted that OEM is now coming directly under the Department of Motor Vehicles and Public Safety. Bill Owen is the new chief. There will be a new name - "Office of Emergency Support." Jim discussed OES agreements with FEMA and plans for expenditures in federal fiscal year 1997. Jim also discussed the Western States Seismic Policy Council and their recent report from the September 18-20, 1995 conference in Arizona.

Jim Goodfellow will send travel reimbursement forms to members of the board of directors and to the UNR staff who have been presented information at this meeting.

Jim Goodfellow noted that OES will provide identification cards for members of the Board of Directors of the Council and for others who need them. Jon Price offered that the Nevada Bureau of Mines and Geology staff can produce the cards. Members of the Board or Directors and committee members should send the following information to Jon Price (Nevada Bureau of Mines and Geology, Mail Stop 178, University of Nevada, Reno, 89557-0088):

Name

Title (either member of board of directors of the Council or member of a committee of the Council)

Social Security Number, and

Photograph (passport-type photo, to be scanned and printed black and white).

The cards are valid only as long as the individual is a member of the board or a committee. NBMG staff will prepare the cards and return them to the individuals for their signatures and for laminating.

Mike Blakely questioned how cards will be prepared for individuals who receive the ATC training. Jim Goodfellow will work on this issue.

#### STRATEGIC PLANNING

Jim Reagan discussed the final draft of the Council's strategic plan, dated August 1996. Included in the plan are goals for the council and guides to standing committees. Jim suggested that standing committees meet at least quarterly. A late addition to the plan was Appendix E, Funding Guidelines. He suggested that the bylaws be revised to make them more current; please submit suggested changes within the next month to Jim (telephone 689-4864, fax 689-4189), who will coordinate



suggested changes so that they can be distributed to members of the Council prior to the next meeting. Jim suggests that the plan be updated at each quarterly meeting. He distributed forms for each of the standing committees to complete.

The Strategic Planning Committee discussed the Chairman's request from the last meeting to develop a methodology for collecting priorities for retrofitting. The committee felt that it did not have the expertise to handle this task and is therefore requesting that the Chairman assign this task to another standing committee, such as the Engineering and Architecture Committee.

Jim suggested that there be a motion to adopt the plan at the next meeting. Jim Goodfellow will make sure that members of the board of directors of the Council who were not present receive a copy of the draft strategic plan. If you have not received a copy, please contact Jim Goodfellow (telephone 687-4240, fax 687-6788).

Ken Olive noted that the essence of the plan is that the standing committees should bring items to the Council for approval. All standing committees should review the strategic plan and complete the forms in the plan.

#### NEW BUSINESS

Ron Lynn suggested that press releases be done in general. Dave Weide suggested that a press release be prepared regarding the Suggested Guidelines for Surface Fault Rupture/Land Subsidence Hazards in Nevada.

OEM is sponsoring a meeting, beginning at 10 a.m., Monday, August 26, 1996 and ending at noon on Friday, at the Ormsby House in Carson City, concerning disaster response in Nevada. Members of the Council are welcome.

FEMA has invited two members of the Council to attend a December 3-5, 1996 meeting on State Earthquake Safety Councils in Los Angeles.

The Earthquake Engineering Research Institute and FEMA are sponsoring a conference on "Analyzing Economic Impacts and Recovery from Urban Earthquakes: Issues for Policy Makers," October 10-11, 1996. Contact EERI at 510-451-0905 for more information.

#### REVIEW OF ACTION ITEMS

1. John Anderson asked Burt Slemmons and the Association of Engineering Geologists to work together within the next year to review the *Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada*.

2. The Office of Emergency Management will assist in distributing the *Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada*. Ron Lynn suggested distributing the guidelines to professional organizations; he will provide Jim Goodfellow with a list of organizations. He also suggested that OEM distribute the guidelines to the local offices of emergency management, who may forward the guidelines to the local building officials. Greg Smith offered that the Nevada Association of Counties (NACO) could help to distribute the guidelines to county managers; OEM will send a letter to NACO. Josh Kaufman will present the guidelines to the Southern Nevada Homebuilders Association. Larry Johnson noted that the guidelines need to be in the hands of the local planning departments; OEM

will suggest to local offices of emergency management that local planning departments should be aware of the guidelines.

3. The Nevada Bureau of Mines and Geology will make the *Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada* available through the Information Office of the Nevada Bureau of Mines and Geology and the NBMG home page on the World Wide Web. Jon Price will contact Shawn Gooch to get the electronic copy of the file. NBMG will add a cover page indicating the wording of the motion approved by Council. (NOTE MADE AFTER THE MEETING: A copy of this cover page, signed by John Anderson and Jon Price, is attached.)

4. John Anderson referred the issue of the Council's role in assuring the quality of geologic investigations to the Geoscience Committee.

5. The ad hoc Nominating Committee, consisting of Jim Goodfellow, Jim Werle, and Jim Reagan, should propose a slate of directors and a slate of new officers for the next year. Elections of new directors will be at the fall meeting. The expectation is that directors are serious about coming to the meetings, so that there are not problems making a quorum.

6. John Anderson asked Jim Reagan to chair an ad hoc committee to coordinate recommendations for changes to the bylaws. Jim should report to Jim Goodfellow about one month before the next meeting so that recommended changes to the bylaws can be provided in writing as part of the agenda. A copy of the bylaws is included in the August 1996 draft of the strategic plan for the council. Please submit suggested changes within the next month to Jim Reagan (telephone 689-4864, fax 689-4189), who will coordinate suggested changes so that they can be distributed to members of the Council prior to the next meeting.

7. Individuals interested in receiving a registration form for the November 14-16, 1996 conference on "Seismic Hazards in the Las Vegas Region - Working Towards an Understanding" should contact Jim Werle (c/o Converse Consultants S.W., Inc., 731 Pilot Road, Suite H, Las Vegas, NV 89119; telephone: 702-269-8336; fax: 702-269-8353; e-mail: converse@enet.net).

8. John Anderson asked the Geoscience Committee to continue to look into the scientific basis for possible changes of the Zone 3 and Zone 4 designations in western Nevada.

9. In preparing the agenda for a future meeting, Jim Goodfellow or John Anderson should invite Jason King, State Department of Water Resources, head of the state dam safety program, to meet with the Council and discuss seismic concerns and regulations for dams in Nevada.

10. John Anderson asked that the implementation committee for the Western Nevada Earthquake Scenario Project [Jim Reagan, Press Clewe (he was volunteered in absentia), Craig dePolo, and Jim Goodfellow (as staff support)] work on ways to see that the report is used in the next phase of the scenario project.

11. Members of the board or directors and committee members who would like to have official identification cards for use in the event of an earthquake should send the following information to Jon Price (Nevada Bureau of Mines and Geology, Mail Stop 178, University of Nevada, Reno, 89557-0088):

Name

Title (either member of board of directors of the Council or member of a committee of the Council)  
 Social Security Number, and  
 Photograph (passport-type photo, to be scanned and printed black and white).

12. Jim Goodfellow will investigate how identification cards can be prepared for individuals who receive ATC training and will be conducting damage assessments shortly after an earthquake.
13. Jim Goodfellow will send travel reimbursement forms to members of the board of directors and to the UNR staff who have been presented information at this meeting.
14. Each standing committee should complete the forms presented in the draft strategic plan. Each standing committee should meet prior to the next Council meeting, November 22.
15. At the request of the Strategic Planning Committee, the Chairman should ask that another standing committee, perhaps the Engineering and Architecture Committee, develop a methodology for collecting priorities for retrofitting.
16. Jim Goodfellow will make sure that members of the board of directors of the Council who were not present receive a copy of the draft strategic plan. If you have not received a copy, please contact Jim Goodfellow (telephone 687-4240, fax 687-6788).
17. **The next meeting** of the Nevada Earthquake Safety will be from **9:00 a.m. to 4:00 p.m. on Friday, November 22, 1996 in Reno**. Other meetings planned for coming year are as follows:
  - Friday, February 28, 1997 in Las Vegas
  - Friday, May 16, 1997 in Reno
  - Friday, August 22, 1997 in Las Vegas
  - Friday, November 21, 1997 in Reno.
18. A mailing list for the Council is attached. Please send corrections, telephone and fax numbers, and e-mail addresses to Jon Price for updating. Thank you.

**Minutes prepared by Jon Price, Secretary**  
**[Please contact Jon by telephone (784-6691), fax (784-1709), or e-mail (jprice@nbmg.unr.edu) with changes.]**

Attachments:      July 30, 1996 (V1.0) *Suggested Guidelines for Evaluating Potential Surface Fault Rupture/Land Subsidence Hazards in Nevada*  
                           Cover letter for *Suggested Guidelines*  
                           Mailing list for the Council