

NEWS

ACEC

American Council
of Engineering
Companies
of Oregon

February 2004

Alison Davis

Executive Director
adavis@acecOregon.org

Merideth Webber

Executive Assistant
mwebber@acecOregon.org

www.acecOregon.org

*Member of the
American Council of
Engineering Companies
Washington, D.C.*



Engineering Excellence Awards 2004

KPFF TAKES PROJECT OF THE YEAR FOR THEIR BREWERY BLOCK 2 PROJECT

Judges comment the standard overall was very high.

Located in the vibrant Pearl District on property that once housed the Blitz-Weinhard Brewery, the Brewery Blocks is one of the largest downtown redevelopments in Oregon's history. The five-block site originally included the 1908 brewhouse, malt building and cellar building; the 1889 National Guard Armory; and an automobile garage built in 1929. Once construction of the entire project is complete in 2005, the Brewery Blocks will include 1.7 million square feet of upscale retail, housing and office space over three levels of underground parking spanning two-and-a-half city blocks.



PROJECT OF THE YEAR: Kpff Consulting Engineers, Brewery Block 2

Pictured, from left, are **Blake Patsy, Kpff Consulting Engineers** and **Bruce Brown of GBD Architects Inc.**, Kpff's client for the award-winning project.

Brewery Block 2 involved a complex mix of selective demolition, historic restoration, seismic strengthening and new construction. Through full-scale renovation of the brewhouse, a beloved Portland landmark was transformed into a creatively designed mixed-use center.

The seismic upgrade scheme used for Brewery Block 2 is unique, due to the need to meet the 1998 Oregon Structural Specialty Code (OSSC) for seismic zone 3. Most of the project's original historic building materials are not recognized in the 1998 OSSC, and traditional seismic force resisting elements would have significantly reduced leasable space in the already small buildings. This fact, coupled with the need to provide an occupant connection between the old and new facilities, prompted the team to explore using a lateral force resisting system for the tower to partially brace the historic structures.



**MORE ON ENGINEERING EXCELLENCE
TO BE PUBLISHED AT A LATER DATE!**

ANNUAL MEETING HOLE SPONSORS RAISE FUNDS FOR LEGISLATIVE ACTIVITIES

ACEC Oregon wishes to thank the following firms for their generous contributions totaling \$1700 which helps support ACEC Oregon's legislative activities:

- **DAVID EVANS AND ASSOCIATES, INC.**
- **Anderson Engineering & Surveying, Inc.**
- **Coba Company**
- **Degenkolb Engineers**
- **GeoDesign, Inc.**
- **GRI Geotechnical & Environmental Consultants**
- **Spencer B. Gross, Inc.**
- **Jordan Schrader PC**
- **Kpff Consulting Engineers**
- **Marvin, Chorzempa & Larson, P.C.**
- **Miller Consulting Engineers**
- **Peterson Structural Engineers, Inc.**
- **Power System Engineers, Inc.**
- **R & W Engineering, Inc.**
- **Shipley & Associates, Inc.**
- **W & H Pacific**

*Thank You
Hole
Sponsors &
Golfers!*

We'd like to also thank the following golfers for purchasing mulligans at the annual meeting golf tournament from which proceeds benefited the PAC.

- **Steve Anderson**
- **Ray Miller**
- **Mark Wirfs**
- **Troy Bowers**
- **Ken Wightman**

TASTY TIME HAD BY ALL AT DESSERT AUCTION

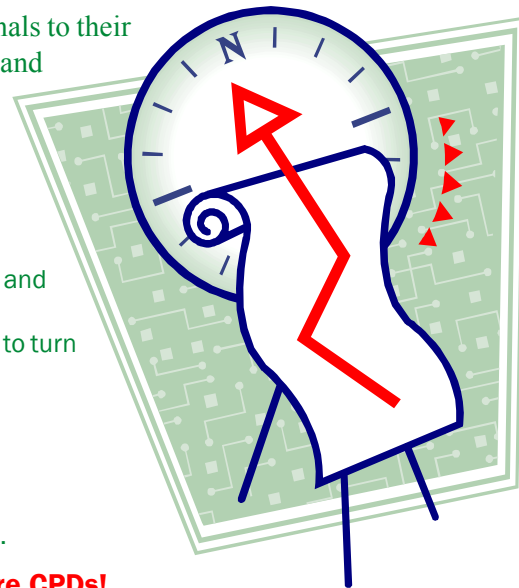
A **BIG** thank you to the following firms and their representatives for making winning bids on decadent dessert creations such as flourless chocolate bourbon cake and chocolate dome passion mousse cake with chocolate and mango raspberry sauce at the dessert auction. The auction, held during the joint annual meeting at Sunriver in September, raised \$2,360 for ACEC Oregon's PAC.

- **Mel Sears, Parametrix, Inc.**
- **Hans van der Meer, LDC Design Group**
- **Troy Bowers, Murray, Smith & Associates, Inc.**
- **Tim Blackwood, GeoEngineers, Inc.**
- **George Gross, Spencer B. Gross, Inc.**
- **Melissa Johnson & Ken Wightman, David Evans and Associates, Inc.**

Thank you dessert auction donors!

ACEC Oregon presents an all-day ASFE Backyard Seminar with John Bachner
“ESSENTIALS OF RISK MANAGEMENT, CLIENT RELATIONS AND PROFITABILITY FOR PROJECT MANAGERS”

The seminar is designed to alert design and environmental professionals to their key professional responsibilities, what lawsuits are really all about, and how to use avoidance techniques to lower risk exposures and improve client relations, client loyalty and profitability.



WHAT:

“Essentials of Risk Management, Client Relations and Profitability for Project Managers,” an all-day seminar with John Bachner, ASFE

WHEN: NEW! Longer program!

- THURSDAY, March 11th
- 7:00 A.M. Check-in & Cont B'fast
 - **7:30 A.M. Program Begins**
 - 12:00 P.M. Lunch
 - **5:30 P.M. Conclusion**

WHERE:

Greenwood Inn
 10700 SW Allen Blvd., Beaverton
 (intersection of 217 & Allen Blvd.)
 phone 503.643.7444

Good for 9 CPDs!

TOPICS COVERED

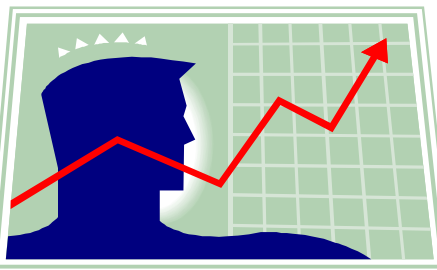
- The negligence standard.
- Cost of a lawsuit.
- The secrets of avoiding claims and keeping clients for life.
- The causes of claims and how to turn threats into opportunities.
- Our legal system in brief.
- Duty of care.
- Key contract issues.
- Limitation of liability.
- Professional liability insurance.

NEW! Longer program and more CPDs!
Program now runs 7:30 A.M. - 5:30 P.M.

Registration deadline is Friday, March 5th

ABOUT THE SPEAKER

The seminar leader is **John Bachner**, president of **Bachner Communications, Inc.**, a firm that provides a variety of business communication services. John’s firm has provided association management services to ASFE since 1973, and has been the organization’s loss prevention consultant since the late 1970s. John’s book, “Practice Management for Design Professionals,” is a text for both the Essentials of Professional Practice program and for various university programs throughout the United States. John has researched and written most ASFE publications, including its contract reference guide, guide to alternative dispute resolution, guide to service as an expert, all 65 ASFE case histories, the ASFE “Professional Liability Loss Prevention Education Program” and more.



ACEC Oregon Registration Form
“Essentials of Risk Management, Client Relations & Profitability...”

Thursday, March 11th • Greenwood Inn • 10700 SW Allen Blvd. • Beaverton
 • 7:00 A.M. Check-in & Cont. B'fast • 7:30 A.M. Program • 12:00 P.M. Lunch • 5:30 P.M. Conclusion

Cost:

- \$125 for members & their guest(s) *If your firm is a member, then you are a member.*
- \$175 for non-members *Non-members are welcome to attend!*

GOOD FOR NINE CONTINUING PROFESSIONAL DEVELOPMENT CREDITS.

Name: _____	No. of ____ member(s)
Check if you want vegie option for lunch: <input type="checkbox"/> vegie	
E-mail: _____	@ \$ 125 = \$ _____
Name: _____	No. of ____ non- mbr(s)
Check if you want vegie option for lunch: <input type="checkbox"/> vegie	
E-mail: _____	@ \$ 175 = \$ _____
Firm Name: _____	
Phone: _____	
Total Amount	
Enclosed: \$ _____	

MAKE CHECKS PAYABLE TO ACEC OREGON

(American Council of Engineering Companies of Oregon)

Mail check & registration form (or fax form & mail check) for receipt by Friday, March 5th to:
 ACEC OREGON, 5319 SW Westgate Drive, Suite 221, Portland, OR 97221-2411
 phone 503.292.2348 • fax 503.292.2410 • e-mail: mwebber@acecOregon.org

Cancellations must be received on or before the registration deadline to receive a refund.

AMONG OURSELVES...

The ACEC Oregon Board of Directors is pleased to announce the following new member firms. Please welcome...

BlueWater Consulting, Inc., 2478 Marylview Ct., Lake Oswego, OR 97034, phone/fax (503) 675-1668, bluewaterinc@comcast.net. Firm representative is **Gregory Blair Troutman**. BlueWater Consulting provides engineering, finance and management evaluations and plans for public and private water and wastewater utilities. Specific services include utility business and strategic plans, capital affordability evaluations and planning, as well as asset valuation and financial studies.

Drake & Associates, LLC, 11765 SW Walnut Street, Tigard, OR 97223-3027, phone & fax (503) 524-7799, gdrakeassoc@aol.com. Firm rep is **George Drake**. Activities include civil engineering, planning and feasibility studies, preliminary and final design engineering, permitting, project and construction management for municipal, special districts and private clients. Civil engineering services: site development, storm and sanitary sewers, water supply, solid waste, road/street/parking facilities.

Engineered Monitoring Solutions, 20345 SW Pacific Highway, Suite 104, Sherwood, OR 97140, phone (503) 925-1700, fax (503) 925-1701, barry.myers@engineeredmonitoringsolutions.com. Firm rep is **Barry Myers**. EMS is a civil engineering consulting firm specializing in the design and implementation of monitoring (data collection) systems for civil infrastructure. Monitoring systems include the instrumentation (sensors), data collection (manual readings or automated data acquisition) and tools for data management/evaluation. EMS provides services as a system integrator and works with clients to define their objectives for monitoring and developing a system to meet their objectives by integrating available software and hardware components. The firm's expertise is in designing monitoring systems that provide information in the form needed by the client to accomplish their monitoring objectives. To date these objectives have varied from data collection for baseline information surveys to performance monitoring for on-going operations and maintenance.

GeoEngineers, Inc., 15055 SW Sequoia Parkway, Suite 140, Portland, OR 97224, phone (503) 624-9274, fax (503) 620-5940, www.geoengineers.com. Firm rep is **Tim Blackwood**. The firm offers diverse, multidisciplinary engineering and geoscience consulting services related to the earth and our environment. From planning through design, permitting and implementation, they strive to achieve practical results that are technically sound, environmentally conscious, and economically sensible. Their clients include federal agencies, private businesses and industries, local governments, special service districts and ports.

Harper Houf Peterson Righellis Inc., 5200 SW Macadam Ave., Suite 580, Portland, OR 97239-3837, phone (503) 221-1131, fax (503) 227-1171, www.hhpr.com. Key personnel are **Daniel Houf**, **Ron Peterson** and **Charles Harper**. HHPR provides engineering, planning and surveying services for private and public roadway improvements.

HW Lochner, Inc., 2001 NE Front Street, Suite 120, Salem, OR 97303, phone (503) 586-0100, fax 589-9538, www.hwlochner.com.

Key personnel are **Karen Reynolds** and **Dan McIntier**. Activities include structural engineering, traffic and transportation engineering, bridges, civil engineering, construction inspection, construction management, highway structures, highways, streets, parking lots, planning, project management, railroad, rapid transit.

Integrated Infrastructure International, Inc., P.O. Box 872995, Vancouver, WA 98687-2995, phone (425) 985-4504, e-mail: jamesbaker@americas.com.mx. Firm rep is **James Baker**. The firm is focused on program management as well as general municipal and telecommunication engineering.

Roggenkamp Erickson & Associates, LLC, 10000 NE 7th Ave., Vancouver, WA 98685, phone (360) 573-4545, fax (360) 576-7606, www.REAstructuralengineers.com. Key personnel are **David Roggenkamp** and **Brandon Erickson**. REA provides structural engineering design and consulting to owners, architects, contractors and other design professionals for commercial building structures.

System Design Consultants Inc., 33 NW First Avenue, Suite 2, Portland, OR 97209, phone (503) 248-0227, fax (503) 248-0240, www.sdcpx.com. Key personnel are **Gary Barnes**, **David Nichols**, **Michael Kinne**, **Bruce Myers**, **Jeffrey Davis** and **John Rogers**. System Design provides building electrical and mechanical systems analysis and design.

NEW AFFILIATE MEMBERS

Axiom, 9750 Nimbus Avenue, Beaverton, OR 97008, phone (503) 626-4935, fax (503) 671-9967, www.axiumae.com. Firm rep is **Daniel Laun**. Axiom specializes in providing leading-edge marketing/business development, financial and product management tools for architectural, engineering and project based firms.

Jones & Stokes, 317 SW Alder, Suite 800, Portland, OR 97204, phone (503) 248-9507, fax 228-3820, www.jonesandstokes.com. Firm rep is **Shane Latimer**. Jones & Stokes are environmental planning and natural resource management consultants handling regulatory compliance and permitting, planning, restoration/reclamation, wildlife, fisheries, cultural and historical resources, water quality, wetlands, geomorphology, hydrology, environmental risk assessment, CAD and GIS.

The Mead Firm, PC, 9900 SW Wilshire Boulevard., Suite 100, Portland, OR 97225, phone (503) 296-1390, fax (503) 296-1340, e-mail: george@meadgroup.com. Firm rep is **George Mead**. The Mead Firm is a law firm specializing in legal representation of design professionals and construction law.



Advanced Remediation Technologies Co. has a new address: 675 NW 2nd Avenue, Suite 5, Canby, OR 97013.

Squier Associates, Inc. and **Kleinfelder, Inc.** have merged to form **Squier/Kleinfelder, LLC**, 15050 SW Koll Parkway, Suite L, Beaverton, OR 97006-6028, same phone (503) 635-4419, new fax (503) 643-1905. Firm rep is **Arlan Rippe**.

Curran-McLeod, Inc., Consulting Engineers is celebrating 20 years of providing engineering services to communities in Oregon and Washington.

NATIONAL DIRECTOR RECAPS ACEC MEETING IN PHOENIX

by Ray Miller, Miller Consulting Engineers

ACEC National is considering the budget for the next three years. A National Directors roundtable and vote on the budget will be held in May.

ACEC National is also working on funding for highways and airports and are trying to obtain more funding for both.

Outsourcing by government agencies to consultants:

There are pieces of legislation which have tried to outlaw outsourcing by government agencies, which have been defeated (though not overwhelmingly, but extremely close). QBS is still being worked on in several states and is not available in all states. Some of ACEC National's energy will be spent trying to get a QBS in all the states.

NEW ITEMS EMERGING

Professional taxes: Nevada has a law that every licensed engineer, not the firm, but the actual licensed engineer, has to pay a tax in each city and county. If, for example, you are doing work in a particular city and county, you may be required to get a business license in both.

Unionization: Strong union organizing is occurring within some firms and there are several ways this is happening. A memo was published by ACEC National regarding employer responses to union organizing and can be made available by contacting ACEC Oregon at (503) 292-2348 or mwebber@acecOregon.org.

MORE MEMBER NEWS...

The Trustees of the Pacific Northwest Consulting Engineers Health and Welfare Trust are pleased to announce that **Jim Helton of Murray, Smith & Associates, Inc.** has been elected to the Board of Trustees for a five-year term beginning January 1, 2004. He will replace **Margaret (Peg) Johnson**, whose term expired December 31, 2003.

Joe Gehlen, president of **Kramer-Gehlen & Associates, Inc.**, Vancouver, WA, was voted chairman of CASE (Council of American Structural Engineers) for 2003-2004 by his peers. He has a degree in civil engineering from Oregon State University and is a registered professional engineer in 16 states and British Columbia. He is former chairman of the CASE Education Committee and is active in many professional associations, including ACEC Oregon and the National Council of Structural Engineers Association (NCSEA).

After 10 years at their current location, **Pacific Energy Systems** will move to a new office on March 1. Their new address is 1800 SW First Avenue, Suite 515, Portland, OR 97201. Phone and fax remain the same. E-mail is WeListen@PacificEnergySystems.com.

Membership: ACEC National has proposed to double membership by 2010, the goal is to make 90 percent of the Engineering News Record firms members. They also proposed to increase dues to supply additional resources for the marketing that this will require. The ACE/PAC is proposing to have \$1,000,000 available per year, by the year 2006, which means several people are making contributions to meet this requirement.

Committees: If you would like to work on a committee, ACEC National has opened up all of the committees. It has changed its philosophy on limiting the number of members on the committees.

Publications: A new publication is out from ACEC concerning project delivery documents and is available through the national office. You may order online at www.acec.org or call (202) 347-7474.



ACEC NATIONAL PRESIDENT VISITS PORTLAND

Pictured, from left, are ACEC Oregon President **George Gross** of **Spencer B. Gross, Inc.** and ACEC National President **Dave Raymond**. The visit was Raymond's first since he joined ACEC National in 1999. While here, Raymond met with several Board members and visited some potential ACEC member firms.



U.S. ARMY CORPS OF ENGINEERS/ PORTLAND AND ACEC OREGON SIGN PARTNERING CHARTER

Pictured, from left, are **Colonel Richard Hobernicht, USACE Portland District** and ACEC Oregon President **George Gross of Spencer B. Gross, Inc.** The signing of the partnering charter signifies commitment to a meaningful partnership between both organizations in the common purpose to provide quality and responsive engineering and consulting services to the nation and the world.

And in anticipation of the 2005 session...

COMMITTEE URGES MEMBERS TO INVITE LEGISLATORS TO VISIT

In order to prepare for the 2005 legislative session, the ACEC Oregon Legislative Committee is urging firms to invite a legislator to their office.

The purpose of the visits is to give ACEC Oregon more visibility in the legislature. Ideas for firm visits include holding a brown bag lunch, giving a tour of a project or a tour of the firm's office.

The visits will be an opportunity for legislators to learn about the projects consulting engineers design and an opportunity for legislators to have a better understanding of the industry.

ACEC Oregon President **George Gross** recalls when former congresswoman **Elizabeth Furse** visited his office

WHAT MEMBERS ARE SAYING:

Rich Fitterer of **SJO Consulting Engineers, Inc.** said recently, "I wanted to thank ACEC Oregon for the referral to the new cheese processor interested in building a new plant. We're talking with him and we'll see what happens—it's an interesting project."

Could it be an Engineering Excellence project in the making? Just another example of some great member benefits—when ACEC Oregon provides referrals for potential clients to our member firms. Read on...

Paul Masten, formerly with **Reid Middleton, Inc.**, wrote, "Thanks so much for the referral. We've been invited to join their team pursuing the work. Now of course we have no idea if they will be successful in getting awarded a contract, but ACEC Oregon has not only afforded us an opportunity to meet a contractor pursuing work in a market area we serve, but also another vehicle to put our qualifications in front of a target client. I'm sure you wouldn't expect a now past-president of ACEC Washington to need examples of the value of ACEC membership, but this is a great one anyway and helps us to validate our membership. Keep up the good work."

Do You Have a Success Story to Share?

We'd love to hear from you! Submit comments to mwebber@acecOregon.org. **Thank you!**

several years ago. "After Elizabeth Furse paid a visit to my office, whenever I visited Washington D.C. on association matters, I was always able to meet with Furse, not a staff person," he said.

"Legislative visits will help increase the recognition of ACEC issues and increase the chance of passing future ACEC Oregon legislation," he added.

ACEC Oregon will send an e-mail in the near future regarding the visits. Interested firms can sign up at that time and will be provided "talking points" to help explain what issues will be important to ACEC Oregon members during the next legislative session.

Annual Membership Certification Process NEW MEMBER BENEFIT HELPS CUSTOMERS FIND YOUR FIRM

ACEC's website receives nearly two million "hits" a month from visitors, many of whom are looking for an engineering firm. How can you make sure that potential customers get all the accurate information about your firm? Just log into the ACEC website and update your company information.

To view your information, go to www.acec.org. First click on the "membership" tab and then click on the "member directory" tab. Once you find your firm, you will notice that there is a primary contact listed. This is the person who has the user rights to update information in the directory.

To update information, just follow these easy steps:

- 1) Go to www.acec.org.
- 2) Click on the left tab that says **MEMBER PORTAL**.
- 3) Fill in your e-mail address and password.
- 4) Then click on **VIEW/CHANGE MY INFORMATION**.
- 5) If you are the primary contact, you may also use the **VIEW/CHANGE MY COMPANY INFORMATION** tab.

If you have trouble logging in, or don't remember your password, just follow steps one and two, scroll down and click on "create a user account." All you need is your e-mail address and last name. The site will automatically send a link that will allow you to log in.

If you need further assistance, call ACEC membership at (202) 347-7474 or e-mail memberservice@acec.org.

The "Grand Dame" Beckons You

ACEC National Annual Convention
May 9 - 12
The Broadmoor Resort
Colorado Springs, CO

Since 1891, generations of statesmen, presidents, and celebrities have all agreed that the "Grand Dame of the Rockies" and the finest hotel in America is the Broadmoor Resort (www.thebroadmoor.com) in Colorado Springs, Colorado. The prestigious Mobil Travel Guide has awarded the Broadmoor Resort its highest rating of five stars for the past 44 years...the longest active streak of any resort in America.

Meeting registrants will have the opportunity to enjoy world-class keynote speakers, a myriad of education sessions, networking and social events galore.

For complete information visit the ACEC website at www.acec.org or call ACEC at (202) 347-7474.

THANK YOU PAC DONORS!

Thank you to the following firms and individuals for their generous contributions to the ACEC Oregon Political Action Committee. Donations such as these are essential to our lobbying efforts. (*Donations made August through December 2003.*)

- Stephen C. Anderson
- Anderson Engineering & Surveying, Inc.
- Berger/Abam Engineers, Inc.
- Troy Bowers
- Cornforth Consultants, Inc.
- David Evans and Associates, Inc.
- Degenkolb Engineers
- DKS Associates
- Forensic & Mechanical Engineering, Inc.
- Thomas E. Fowler
- GeoEngineers, Inc.
- GRI Geotechnical & Environmental Consultants
- Harry Czyzewski, P.E.
- Jordan Schrader PC
- Kpff Consulting Engineers
- LDC Design Group, Inc.
- MWH
- Marvin, Chorzempa & Larson, PC
- Mason, Bruce & Girard, Inc.
- Raymond T. Miller
- Miller Consulting Engineers
- Jerry D. Minor
- Murray, Smith & Associates, Inc.
- Northwest Geotech, Inc.
- OBEC Consulting Engineers
- Parametrix, Inc.
- Peterson Structural Engineers, Inc.
- Power Systems Engineers, Inc.
- R & W Engineering, Inc.
- Shannon & Wilson, Inc.
- Squier Associates
- SS&W Inc. - Engineers
- Tenneson Engineering Corp.
- W & H Pacific, Inc.
- Kenneth M. Wightman
- Mark Wirfs

Thank You!

Coba's Capitol Commentary...

UNCERTAINTY DOMINATES IN SALEM

by ACEC Oregon lobbyist Marshall Coba, Coba Company

Voters spoke loudly and clearly on Election Day with the decisive defeat of Measure 30. The measure was trounced by a 59-41 margin which was not far off- the initial polling done early last fall. This indicates voters made up their minds early and were not swayed by the vote "YES" or "NO" campaigns that ran during January.

We're hearing that this defeat will impact Oregon for years to come and will lead to specific cuts in state-supported services and schools across the state. We're also hearing the defeat of Measure 30 will spur economic activity and lead us out of the statewide recession. In addition the outcome has greatly diminished the legislature's appetite for overhauling Oregon's tax system.

But we've heard many of these dire predictions about services before. This vote shows that Oregonians have become numb to the political and agency pronouncements about cuts and instead are focused on a slow economy and government spending practices. The regular stories about government operations gone awry (*enter your favorite headline here*), have not helped the legislative process nor the initiative process when it comes to raising additional revenues.

While the vision for Measure 30 was to serve as a funding mechanism that would bridge the gap between current economic and taxing policy and a new taxing policy (to be developed) that we would adopt in 2004 or 2005. The anticipated economic recovery was expected to dovetail nicely with the new taxing policy, and all would be well in the state.

And now? No one is certain what will be the next step. The 41-59 defeat has certainly gotten the attention of all politicians who are still trying to figure out why the defeat was so decisive. Even pollsters on both sides of the issue were surprised by the large margin as most had it closing with an anticipated 55-45 defeat.

Rumor has it that the big tax system overhaul that the legislature was embarking upon has lost its steam. The move away from our reliance upon an income tax may be delayed as the committee takes a look at a rainy day fund along with a growth in government limitation package.

To help find the right mix of policy changes, the Joint Interim Tax Reform Committee is taking their show on the road for public input. We encourage all engineers to take the time to attend a meeting in your area. In these meetings you can hear firsthand the difficult situation the committee is attempting to fix. And, making it even more difficult is that fact that a couple of key committee members will not return next session. This will make it even more onerous to find consensus on the next appropriate step in Oregon's tax debate.

We can expect a very full ballot in November with a presidential election, 75 legislative races and a whole slew of ballot measures. Currently more than 145 measures have been filed with the Secretary of State. Among the 15-20 ballot measures expected on the November ballot will be a couple regarding state finances, and the rainy day fund concept could be included in each of them.

LEGISLATORS MOVE ON

Legislative turnover continues with several key members calling it a career. Most notable is Sen. Lenn Hannon from Ashland who served for nearly 30 years. He will be missed for his leadership and wealth of personal knowledge of the system and of issues. During his career he has seen many issues recycle on a regular basis and could anticipate lobbying tactics even before they were unleashed.

Others moving on include Sen. John Minnis from Troutdale; Sen. Ken Messerle of Coos Bay; Sen. Bill Fisher from Roseburg; Sen. Tony Corcoran of Eugene; Sen. Steve Harper from Klamath Falls; and Representatives Max Williams, Lane Shetterley, Deborah Kafoury, Tim Knopp, and a few others from the House.

ACEC OREGON MEMBERS CAN MAKE A DIFFERENCE

All ACEC members are encouraged to contact your local candidates and legislator to talk about issues of interest to ACEC Oregon. We are finalizing a letter to all legislators inviting them to tour local offices of consulting engineers in their district. This is a new program for ACEC Oregon and should be very beneficial to engineers and for the politicians who will learn more about our profession. We'll be asking for member companies to volunteer to assist in these tours and we encourage your participation.

Joint Interim Tax Reform Committee Public Hearings, Room: H-197, Phone: (503) 986-1266 The Joint Interim Tax Reform Committee is taking their show on the road for public input. If you have time to attend you can hear firsthand the difficult situation the committee is attempting to fix.

Tuesday-February 24
4:00 P.M., NEWPORT
Public Hearing
Location to be announced

Tuesday-March 2
4:00 P.M., BEAVERTON
Public Hearing
Location to be announced

Wednesday-March 10
4:00 P.M., MEDFORD
Public Hearing
Location to be announced

Tuesday-March 16
4:00 P.M., PENDLETON
Public Hearing
Location to be announced

Wednesday-February 25
4:00 P.M., EUGENE
Public Hearing
Location to be announced

Wednesday-March 3
4:00 P.M., PORTLAND
Public Hearing
Location to be announced

Monday-March 15
4:00 P.M., BAKER CITY
Public Hearing
Location to be announced

Wednesday-March 17
4:00 P.M., REDMOND
Public Hearing
Location to be announced

NEW BUILDING CODE FOR OREGON

by **Raymond T. Miller, P.E., Miller Consulting Engineers**

The current building codes in Oregon are:

- Oregon Building Code 1997 UBC with Amendments
- International Residential Code (IRC) adopted April 1, 2003 with amendments

In January 2001 a code review committee was formed by the Building Code Agency of Oregon to review the proposed national codes--International Code Council (ICC) and National Fire Protection Association (NFPA). The committee spent two years reviewing all sections and filed a final report with the Building Code Agency in December 2002. The recommendation was for the State of Oregon to adopt the ICC Code family.

This recommendation was sent to the Building Codes Structures Board for acceptance. The Board voted to accept the recommendation but place on hold the forwarding to committees until the International Residential Code (IRC) was reviewed and updated with the Oregon amendments.

On September 10, 2003 the Building Code Structures Board voted to forward to the committees the International Building Code (IBC) for review and updating. The standing committees of the Building Codes Board are Dwelling/Mechanical Code Change Committee, Energy Committee, Structural Code Change Committee and Structural Engineering Committee.

However, this does not mean that the State of Oregon is going to adopt the IBC. In the background, while many volunteer hours were being used for the work as previously outlined, others were working through the political system and have changed the whole operation.

Senate Bill 906, signed August 21, 2003, set up four boards-- the Building Codes Structural Board (BCSB), Mechanical Board, Electrical Board and Residential Structures Board, all having nine members each. Only two boards, Residential Structures and BCSB, have an architect or engineer on them. The new boards became effective August 21, 2003 and the old board has been disbanded. The result is the new boards can change the work done to date by the Review Committee, old Building Code Structures Board and committees.

The impact if ICC is chosen is not too different from the current UBC. The Code would be the 2003 IBC with Oregon Amendments which references ASCE 7 with modifications for Structural Design (Chapter 16).

- Chapter 17 for structural tests and special inspections is more detailed and reference ASCE 7.
- Chapter 18 soils and foundation is more detailed, with minimum wall reinforcement, more on damp proofing and waterproofing walls and floors, and driven pile requirements.
- Chapter 19 Concrete references ACE 318 with modifications.
- Chapter 20 Aluminum references Aluminum Design Manual

- Chapter 21 Masonry references ACE530/ASCE 5/TMS 402 with additions of fireplaces and chimneys.
- Chapter 22 Steel references AISC
- Chapter 23 Wood references AITC, NDS and ASTM standards with more detail on certain items. (houses, what is on drawings, and strength design LRFD)

However, the impact if the NFPA is chosen is quite different. The Code would be the NFPA 5000, 2003 edition, with Oregon amendments which reference ASCE7.

- Chapter 35 – Structural Design references ASCE 7 except calculations for both wind and seismic will be required.
- Chapter 36 – Soils, foundation and retaining walls references ASCE 7.
- Chapter 40 – Quality Assurance during Construction is much more detailed, such as shop drawings for framing, framing connections, shear walls, hold-down, diaphragms, and masonry veneers.
- Chapter 41 – Concrete references ACI 318
- Chapter 42 – Aluminum
- Chapter 43 – Masonry references ACI 530/ASCE5/TMS402
- Chapter 44 – Steel references AISC
- Chapter 45 – Wood references NDS

The items not in the structural provisions but in Chapter 4 and 8 are the ones that create problems.

- Chapter 4, Sections 4.1.3.2.2.1 “Buildings shall be designed and constructed to withstand the dead weight of the building and its contents together with live impact, soil, hydrostatic pressure, rain, flood, snow and ice specified in Chapter 35 as well as loads due to earthquakes and winds that are expected to regularly effect the building, without damage or excessive deformation or deflection.”
- Chapter 4, Section 4.1.6.3.1 “Mission Continuity Goal. The mission continuity goal of this Code is to maintain and high probability that the building continues to perform the function for which it is intended following a fire, an earthquake, a flood, and other internal or external events.”
- Chapter 8, Section 8.3.2.5 “Tied fire walls shall be centered on a single column line or constructed between a double column lines. Structural framing on either side of the wall shall line up horizontally and vertically and shall support the roof. The framework on each side of the firewall shall be continuous or tied together through the wall. The framework on each side shall be designed so that it can resist the maximum lateral force that can be developed due to framework collapse in a fire on the opposite side.”

Provisions for the NFPA have requirements which are beyond the “normal” standard of care, and will need additional definition. To obtain copies of the “Proposed Adoption of Base Model Codes,” which shows the projected timeline for enactment, or for the “Code Change Submittal” form, the form necessary to make additional changes to the code, call ACEC Oregon at (503) 292-2348 or e-mail mwebber@acecOregon.org.

Mark your calendar...

February

Wednesday 18th

Business Leadership Breakfast #5
Financial Management

Tuesday 24th

Board of Directors Meeting, Portland

Wednesday 25th

National Engineers Week Banquet
Double Tree Hotel, Lloyd Center

March

Thursday 11th

Seminar with John Bachner, ASFE
"Essentials of Risk Management,
Client Relations & Profitability"

Wednesday 17th

Business Leadership Breakfast #6
Human Resources **More info to come!**

Monday 15th thru Wednesday 17th

ACEC National Meeting and
"Consulting Congress Day"
Washington, DC

Tuesday 16th

ACEC National Engineering
Excellence Awards, Washington, DC

Tuesday 30th

Board of Directors Meeting, Portland

April

Wednesday 21st

Business Leadership Breakfast #7
Risk Management

Tuesday 27th

Board of Directors Meeting, Portland

Thursday 29th

Dinner Program (tentative)



May

Sunday 9th thru Wednesday 12th

ACEC National Annual Convention
Colorado Springs, Colorado

Tuesday 18th

Board of Directors Meeting, Portland

Wednesday 19th

Business Leadership Breakfast #8
Information Technology

Wednesday 26th

Business Dinner Meeting
Urban Wine Works, Portland

June

Wednesday 16th

Business Leadership Breakfast #9
Strategic Planning

Tuesday 22nd

Board of Directors Meeting, Portland

Wednesday 30th

Networking Day: Golf and Dinner
Langdon Farms Golf Club

September

Thursday 16th thru Saturday 18th

Annual Meeting, Salishan Lodge
Gleneden Beach, Oregon Coast

Register for March 17th Breakfast
Part 6 of Business Leadership Development Series:
Focus on Human Resources. **More info to come!**

American Council of Engineering Companies of Oregon
5319 SW Westgate Drive, Suite 221 ♦ Portland, Oregon 97221
phone 503.292.2348 ♦ fax 503.292.2410 ♦ www.acecOregon.org

ACEC Oregon