



SEATTLE SECTION NEWSLETTER

April 2008
Volume 43 No. 8

Section Officers

October 1, 2007 – September 30, 2008

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WEBMASTER

Lisa Martinez seattleasce@yahoo.com

ASCE Seattle Section Meeting

Wednesday, April 9, 2008

Place: McCormick & Schmick's Harborside Restaurant
1200 Westlake Avenue North
Seattle, Washington 98109

Cost: \$25 per person (\$30 for late reservations)
Students Free

Spouses and guests are welcome.
Cash or checks payable to ASCE are accepted.

Meal: Lemon Rosemary Chicken with Tuscan Relish or Vegetable Stir Fry with Stick Rice. Dessert: New York Cheesecake.

5:30 Socialize

6:15 Dinner

7:15 Program: Wind Power

8:40 End

Please make your reservations by
NOON Monday, April 7, by calling 206-926-0482
(voice mail system only — please leave a message)
or by sending an email to:
seattleascereservations@gmail.com

Please indicate with RSVP if the vegetarian meal is preferred

Wind Power Today

Steve Jones, P.E. of Global Energy Concepts will discuss the basics of wind power, the recent history and outlook of wind power in North America, and how wind turbine technology has changed over the last two decades. He will also discuss typical issues in developing wind power. His presentation will also include examples of Northwest projects and aspects of civil works associated with utility-scale wind power projects.



The deadline for the
May 2008 issue is
5:00 p.m.
FRIDAY, April 18, 2008
No exceptions.

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#### CHANGE OF ADDRESS:

All change of address information (including your mailing label if applicable) should be sent **DIRECTLY** to: 1801 Alexander Bell Drive, Reston, VA 20191-4400 **AND** to the newsletter editor shown above.

**AMERICAN SOCIETY OF  
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## President's Column

By Jack Bjork, PE

### Your Lobbyist in D.C.

As the Section President, I had a recent opportunity to travel to Washington D.C. to discuss infrastructure funding with my senators and congressmen and their staff. It turned out to be a great experience.

Prior to leaving, I solicited input from our 2,400 members on projects where federal funding was important and received information from King County, WSDOT, Redmond and others. Having specific examples of funding needs turned out to be very helpful in illustrating real problems.

About 150 ASCE members from throughout the country gathered in a hotel about three blocks from the White House. Prior to meeting with our elected officials, we were given a short course in what to expect, how the meetings would play out and what was important to the senators and congressmen. This included a review of their biographies, their pet issues, previous voting records and their committee positions.

There appears to be several levels of lobbyists. The big time lobbyists are well known and operate at a completely different level of influence where significant contributions and long-term relationships are part of the deal. There are also lobbyists from non-profit groups like ASCE that can't make political contributions. I spoke to one who said he liked working for ASCE because he never had to advocate anything he was ashamed of. I was a lobbyist representing a constituent group.

My first meeting was with the legislative assistant to Jay Inslee, my Congressman for the 1<sup>st</sup> District which covers my residence in Edmonds. We had a very pleasant and productive conversation about infrastructure issues and ASCE's concerns. The goal for this and all of the meetings was to advocate for infrastructure funding. These discussions were focused on specific bills that are currently under consideration. I discussed the following bills, provided specific examples of local projects that could be affected and asked for their support:

See *President's Column* on page 3



### Bio for April 9th Speaker

**Steve Jones**, Director of Utility & Investor Services for Global Energy Concepts, has over 10 years of experience with engineering consulting, and seven years of experience in the wind energy industry. His work has focused on technical and economic assessments related to facility and system improvements, facility siting and permitting, and evaluations of alternative solutions. Mr. Jones has participated at a variety of levels in independent engineering evaluations for potential investors. His experience with wind energy development includes technical, economic and financial analyses of proposed wind energy and power storage projects to support site selection, permitting, utility interconnection, power sales, financing, equipment procurement, construction, and operations. Steve holds a bachelor of science degree in Mechanical Engineering from Stanford University.

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*President's Column (continued from page 2)*

- National Infrastructure Improvement Act which sets up a commission to develop a plan to address critical infrastructure needs in the nation over the next 20 years.
- Water Quality Financing Act which provides for wastewater treatment.
- National Highway Bridge Reconstruction and Inspection Act.
- Dam Rehabilitation and Repair Act.
- FY 2009 Federal Appropriation priorities including full funding for the following programs which have been cut in Bush's proposed budget:
  - Surface Transportation (SAFETEA-LU)
  - Dam Safety Program
  - Clean Water State Revolving Loan Fund

The legislative assistant was surprised that there are more than 600 ASCE members in District 1. We also discussed the potential for the Congressman to speak at one of our Seattle Section meetings and present infrastructure information that could be used in our newsletter. Having our Section become a trusted advisor would change our ability to have influence tremendously.

I then met with the legislative assistant for Patty Murray. Senator Murray is Chair of the Transportation Appropriations Committee and has tremendous influence over transportation funding. For the senatorial visits I was joined by Joe Krajewski with T.Y. Lin in Vancouver, the representative from the Southwest Washington Branch of the Oregon Section. We made our case for the bills and the legislative assistant indicated that the senator was supportive of these bills. The assistant inquired about our position on providing additional visas for foreign engineers (an issue Bill Gates is advocating to address a shortage of engineers). I said my personal opinion was that the demand would preferably be met by American students but that they needed better skills in math and science.

Finally we met with a junior staffer for Senator Cantwell because the assistant who focuses on transportation issues got pulled away for hearings. We made our case for the infrastructure bills and it was well received. Next, Joe and I and about seven others met with the Senator. I spoke with her for about five minutes and focused my discussion on providing the guaranteed portion for the FY 2009 appropriations for surface transportation. She agreed with the ASCE position supporting the bills and went on to say that a public works construction bill would have been a better way of providing an economic stimulus than the planned rebates, to which we agreed. We also discussed the need for better science and math education to be able to supply the engineers we will need in the near future.

Congressman Blumenhauer of East Portland is a strong advocate for infrastructure improvement. He spoke at

our breakfast meeting and was named as an Honorary Fellow of ASCE. (Incidentally, he graduated one year ahead of me at Centennial High School in Portland and once humiliated me in front of the entire school in 1966 but I'm not holding a grudge.)

One of the most surprising aspects of the trip was the number of groups and associations who were involved in this type of process. The sidewalks and halls in and near the senate and house office buildings were full of men and women in dark suits. Well dressed groups packed the hotels and bars in central Washington.

I was also surprised at the number of groups that have full-time offices in town for lobbying, e.g., the National Association of Letter Carriers, the American Gas Association, the National Association of Homebuilders and hundreds of others. They were not only in Washington but also the suburban cities like Arlington and Alexandria. The most surprising organization with an office? My alma mater, the University of California.

I had great opportunities to network with many different members from around the country about ongoing work, business activity level and their infrastructure concerns. Those involved with land development seemed hardest hit and many large cities have significant transportation needs like Seattle.

Did we have an impact? I think we did. The politicians are inundated with a swarm of demands. My sense from this trip is that our elected officials are seeking input from us to help them weigh their decisions. In fact, Senator Cantwell specifically thanked me for being an advocate for infrastructure. The politicians are there to be influenced. If we don't make our concerns known to them, why should we expect that they address them? After seeing all these different groups and organizations asking that their issues be addressed it is clear that by NOT making your wishes known to the politicians, you are out of the process. Furthermore, if these lobbying meetings are a waste of time, why were there so many other organizations doing this?

ASCE is highly respected as a professional organization and I think we should use this stature to continue advocating infrastructure. We don't want to be partisan or support a particular candidate, but we do need to stay involved. One way to do this is by being a resource to them.

For me this overall experience was astonishing – to be a real part of the political process in Washington. I was actually a lobbyist with a great cause and my input was valued.

Sincerely,  
*Jack Bjork, P.E.*  
Section President

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# ASCE Seattle Section Executive Board Meeting Minutes

## For March 12, 2008

### ATTENDANCE

#### Board Members:

Present: Jack Bjork, Ann Bryant, Perry Cole, Arthur Fleming, Jeanne Justice, Doug Knapp, Garth Merrill, Marc Schulte, Cliff Williams.

Absent With Notice: (None)

Quorum: YES

**Other Members Present:** Paul Grant

**Visitors:** None.

### CALL TO ORDER

Section President Jack Bjork called meeting to order at 4:30 p.m.

Board unanimously approved February 13, 2008 meeting minutes.

### PROCEEDINGS

#### Regular Business

#### Treasurer's Report & Action Items

##### *Treasurer's Report*

The Board discussed membership dues and dinner expenses, which appear to be on track per budget. Newsletter advertisement revenue is still not on the books; may need to follow-up on invoicing.

NO ACTION ITEMS

#### Standing Committee Reports

Standing Committee report posted to eRoom earlier this week.

##### *History and Heritage Committee*

Cindy Hirsch will be doing presentation at September meeting. H&H committee will be sending letter to Seattle Times thanking them for recent article.

##### *Diversity Committee*

Diversity committee chair Diana Giraldo will be on leave soon.

##### *Nominating Committee*

The committee will be nominating several candidates; general announcement for other nominations will be in April newsletter, as well as nominations from the floor at the April general meeting. May newsletter will contain election information.

##### *Awards Committee*

There was an excellent response for award nominations this year. The water resources committee and geotechnical awards committee are still in need of judges.

##### *PSEC Update*

Engineers' Week activities: Governor Gregoire signed an Engineers' Week proclamation; Engineers' Week fair was well attended, with hundreds of attendees. Four ASCE members received engineer of the year awards at the Engineers Week banquet.

NO ACTION ITEMS

#### Branch Reports and Action Items

Branch report was posted to eRoom earlier this week.

Branches are doing well. North Branch is planning a field trip/tour of Skagit River/Diablo Dam in May.

NO ACTION ITEMS

#### Technical Committees

Perry is working with the project sponsor on Afghanistan micro-hydro efforts.

The Board discussed the possible affiliation of Seattle's local technical committees with ASCE technical institutes. Institutes may be a good resource for speakers, etc., and there might be an opportunity to expand and energize our local ASCE technical committees. However, there is also some concern about the potential effect on ASCE membership, since institute members are not necessarily ASCE members; a formal alignment may not be so advantageous in this case. If individual committees are interested in alignment with a technical institute, then the Board might discuss this topic further.

NO ACTION ITEMS

#### YMF Report and Action Items

YMF report submitted to eRoom earlier in week.

The Popsicle Stick Bridge (PSB) competition was a success, with 30 entries from 100+ students this year. YMF is accepting applications for college scholarships from PSB participants. Also, YMF officers had a successful winter leadership retreat.

NO ACTION ITEMS

#### Old Business

- Web page update is continuing. Suggestion to submit updates or corrections from existing web page so they don't get transferred forward to new web page.
- Elections are upcoming in May. Marc to send out sample survey to test electronic ballot method.

See [March Minutes](#) on page 5

**March Minutes** (continued from page 4)

- Tom Schnetzer to complete draft duties and procedures manual, with committee to finalize the proposed changes. Bylaw changes will need to be approved by the Board for inclusion on the May ballot.

NO ACTION ITEMS

**New Business**

- Rebuilding Together project has been identified, Arthur to confirm and newsletter announcement.
- Jack reported on his attendance at ASCE National's legislative fly-in In Washington, D.C.

ACTION ITEMS

*ASCE Congressional Fellow.*

Motion: Whereas, Matthew Smith has requested a letter from Perry Cole in support of his application for ASCE Congressional Fellow, Perry should complete and submit such a letter on behalf of the Seattle Section Board (Ann Bryant). 2nd (Perry Cole).

Discussion: Matthew Smith has asked for letter of support from the Seattle Section Board. Information that there may be a second Congressional Fellow candidate from the Seattle Section, but no word on whether they have requested a similar letter.

Motion Passed.

*ASCE National President Election*

Ann Bryant asked the Board to consider an endorsement of a candidate for ASCE National President, explaining the endorsement process and who was running this year. Information regarding the endorsement process rules, biographical information and candidate statements were distributed via the eRoom earlier in the week.

Motion. The Seattle Section Executive Board will write a letter of endorsement for Blaine Leonard as ASCE National President (Perry Cole). 2nd (Doug Knapp).

Discussion. Several Board members indicated that they know and/or have met Mr. Leonard, and have been uniformly impressed with him. ASCE Region 8 Board of Governors has endorsed Mr. Leonard for ASCE National president.

Motion Passed.

**Announcements for Meeting (In Two Weeks)**

Rebuilding Together. (Arthur)

ASCE Seattle Section officer nominations. (Cliff)

**Adjournment**

Meeting adjourned at 6:20 p.m.

Minutes submitted by Secretary, Marc A. Schulte.

## Volunteers for Outdoor Washington (VOW) to Begin Projects at Historic Landmark

Source: VOW March 2008 Newsletter

The Iron Goat Trail is built along the early alignment of the railway across Stevens Pass which is recognized as an ASCE National Historic Civil Engineering Landmark.



*Iron Goat Trail Photo by Jim Mattson © 2006*

VOW's Iron Goat Trail events will begin on April 4th with a tool sharpening at the Skykomish Ranger Station and April 16th is our Season Opener at the Mountaineers

Seattle Branch. The first official IGT work party happens April 19th. Our I-90 projects begin in earnest the first week in May and continue throughout the month. A bit closer to Seattle we will be hosting a work party in Seahurst Park May 31st. Come out and make a difference for our trails!

**Volunteer Vacation**

This Summer take part in a different kind of work party. From July 13-18 volunteers will spend the night at the Mountaineer's Lodge and the days working on the Iron Goat Trail. Sign up by contacting the VOW office.

Learn more about the Volunteers for Outdoor Washington projects at <http://www.trailvolunteers.org/>.

## Seattle Section Board Endorses Blaine Leonard for Society President-Elect

By Ann Bryant, PE MASCE,  
Seattle Section President Elect

At the March Board Meeting, the Seattle Section Board unanimously voted to endorse Blaine Leonard, P.E., F.ASCE from Region 8 for National/Society President-Elect.

Blaine is a former Zone IV Vice President from the Utah Section, and is one of three nominees running for President-Elect. The other two candidates are Mario Baratta, P.E., F.ASCE from Region 9, and Ganjanan Sabnis, Ph. D., P.E., Hon.M.ASCE from Region 10.

## 2008 Behind-the-Scenes Engineering Tour at Snoqualmie Falls

Source: UW Alumni Association web site

[https://go.washington.edu/uwaa/events/200804eng\\_snoqualmie/details.tcl](https://go.washington.edu/uwaa/events/200804eng_snoqualmie/details.tcl)

**Location:** Snoqualmie Falls, Snoqualmie, WA

**Date:** 4/10/2008 from 10:15 am - 2:00 pm (Pacific Time)

**Hosted By:** UW Alumni Association and UW College of Engineering. 206-543-0540 or 1-800-AUW-ALUM

**RSVP by:** April 4, 2008 at 8:00 am (Pacific Time)

Snoqualmie Falls is one of Washington's most popular scenic attractions. Each year, more than 1.5 million people visit the Falls and its accompanying two-acre park. But there's more to this majestic waterfall than most people realize. Embedded in a rock cavity 270 feet below the surface, and 300 feet upriver from the edge of the waterfall itself, is the world's first completely underground power plant.



*This panorama of Snoqualmie Falls was made from 28 separate photographs. Created by Dan Nutt © 2005.*  
<http://www.nutt.us/SnoqualmieFalls.htm>

In the late 1890s, a civil engineer from Chicago named Charles H. Baker gazed upon Snoqualmie Falls and formulated a plan to harness power from the flowing waters of the Snoqualmie River. More than a century later, Snoqualmie Falls operates dual hydroelectric power plants that, together, provide 41,990 kilowatts of electricity – enough to service 16,000 average homes!

The underground plant's original generators are still functioning today, and the UWAA invites you to experi-

ence the power of Snoqualmie Falls like few have. Come and learn all there is to know about hydroelectric power on our one-of-a-kind Behind the Scenes Tour.

Please dress casually and wear comfortable walking shoes.

**Cost:** \$40 for UWAA Members, \$50 for Non-members. Price includes lunch from Salish Lodge. Use the form on the right to register online now, or call the UWAA at 206-543-0540 or 1-800-AUW-ALUM. Space is very limited - register early!

*The University of Washington Alumni Association is committed to providing access, equal opportunity and reasonable accommodations in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodations, contact the Alumni Association at least four days in advance of the event: 1-800-AUW-ALUM; (206) 685-0611 (fax); uwalumni@u.washington.edu (e-mail).*

## ASCE Seattle Section Officer Nominations Due by April 11th

By Cliff Williams, P.E.

ASCE is a volunteer organization and depends upon your involvement to enrich our professional community. Involvement can range from committee and technical group participation to leadership roles with the Section Board. If you are interested in greater involvement with the Section, the following positions, starting in September 2008, are open for nominations:

- **President** (due to the recent resignation of Tom Schnetzer, President Elect 2007/08, this position will be for the remaining 2 years of the 3 year term serving as the President and Immediate Past President. Ann Bryant, PE MASCE was appointed by the Board to serve the remaining term of the President-Elect)
- **President-Elect** (3 year term – President-Elect, President, and Immediate Past President)
- **Director** (Branches) (3 year term)
- **Treasurer** (2 year term)

Please call or e-mail Cliff Williams (206-714-7161 or [cliffwilliams@earthlink.net](mailto:cliffwilliams@earthlink.net)) for more information on these positions. We are looking for self nominations or suggestions of others that would enjoy serving over 2,300 fellow members in our Section. To qualify for Board positions, candidates must be subscribing members of the Seattle Section (subscribing to the Constitution and By-Laws as evidenced by payment of dues pre-scribed in the Section By-Laws).

## Welcome New ASCE Members!

We would like to welcome our 17 new members to the Seattle Section and Kitsap and North Branches during February and March. If you see someone you know, give them a call.

| Name (Last, First)     |            | Occupation           | Employer / School             |
|------------------------|------------|----------------------|-------------------------------|
| <b>Seattle Section</b> |            |                      |                               |
| Agne                   | Juliet     | Student              |                               |
| Assaf                  | Adel       | Design Engineer      | KPFF Consulting Engineers Inc |
| Barnes                 | Karissa    | Design Engineer      | Perteet Inc                   |
| Daudistel              | Ryan       | Student              | Seattle University            |
| Emmanuelle             | Emmanuelle | Student              | Seattle University            |
| Evans                  | Susan      | CE                   | MDE Inc                       |
| Johnson                | Nicolas    | Student              | Seattle University            |
| Kitz                   | Richard    | President            | Eastside Consultants.com      |
| Mitchell               | Vanessa    | Student              | Seattle University            |
| Miyahara               | Royce      | Student              | Seattle University            |
| Pietz                  | Jeff       | Engr                 |                               |
| Sackett                | Veronica   | Engineering Designer | Otak Inc                      |
| Stewart                | Bryan      | Civil Engineer       | Concept Engineering           |
| <b>North Branch</b>    |            |                      |                               |
| Jones                  | Katherine  | Student              |                               |
| Saldivar               | Dustin     | Associate Engineer   | Pacific Woodtech              |
| <b>Kitsap Branch</b>   |            |                      |                               |
| Carlsen                | Eric       | CE                   |                               |
| Kay                    | Kevin      | Student              | Seattle University            |



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## Puget Sound Engineering Council 2008 Awards Banquet

By Paul Grant, P.E.

The annual Puget Sound Engineering Council Awards Banquet was held at the Palisade Restaurant on February 23, 2008, from 6:00 pm to 11:00 pm. The banquet celebrates the engineering profession and recognizes the achievements of members of the profession who have excelled. The Seattle Section of the American Society of Civil Engineers (ASCE) was extremely fortunate to have four of its member receive engineer of the year awards at the banquet. Engineers honored at the banquet include:

- **2008 Academic Engineer of the Year**  
*Robert D. Holtz, Ph.D., P.E. (ASCE)*
- **2008 Government Engineer of the Year**  
*Linda E. De Boldt, P.E. (ASCE)*
- **2008 Young Engineer of the Year**  
*Eric S. Herzstein, P.E. (ASCE - YMF)*
- **2008 Engineering Educator of the Year**  
*Stan Baber*
- **2008 Industry Engineer of the Year**  
*Arlene McKeeman Brown*
- **2008 Professional Engineer of the Year**  
*John D. Hooper, P.E., S.E. (ASCE & SEAW)*



**2008 Engineer of the year Award recipients (those holding plaques) from left to right: Eric Herzstein, John Hooper, Arlene McKeeman Brown, Linda De Boldt, Stan Baber, Robert Holtz**

Keynote Speaker for the event, Mr. Timothy Moore P.E., S.E., a senior structural engineer with the Washington State Department of Transportation (WSDOT), provided a fascinating presentation describing the design and construction of the Third Tacoma Narrows Suspension Bridge, a major and complex engineering endeavor. An advisory measure to create a second Narrows span was

approved in 1998 by voters in several Washington counties, and construction of the new span began on October 4, 2002. The bridge was dedicated on July 15, 2007. The project faced very challenging site conditions, including very deep water, swift tidal flows, proximity of the existing bridge, potential for ship impact, high seismic potential and associated landslides. State of the art non-linear time-history computer analysis including soil-structure interaction and unique wind model testing efforts were conducted to establish design criteria to overcome the challenges.

Mr. Moore, with the aid of excellent photographs and visual aids, gave the audience a broad understanding of how this complex project was accomplished using current engineering methods. He discussed techniques employed in sinking of tower caissons, construction of towers and anchorages, suspension cable spinning, orthotropic deck truss superstructure erection and bridge deck finishes. He also mentioned the elaborate coordination necessary to maintain the schedule with delivery of large, heavy steel deck sections from Korea, the lifting of the sections to the cable and trapezing into place, while the vessel returned to Korea for another load; the impact of wire corrosion from poor packaging on cable construction; and the unexpected delay in delivery of 100 ton expansion joints because a special truck was required for Washington highways.

The Tacoma Narrows Suspension Bridge program provided a vivid example of the challenges to be met and the satisfaction to be derived from participation in the engineering profession.

## 18 Entries Submitted for the 2007 Outstanding Civil Engineering Achievement Awards

By Cliff Williams, P.E., Immediate Past President and  
Chair, Awards Committee

The campaign to encourage increased participation in the Section's annual achievement awards can be deemed a major success. 18 projects were submitted with entries in all categories.

Thanks to all willing to share their successes with their peers. Participation contributes to enhancing the civil engineering industry. Teams of judges from the technical committees are hard at work evaluating the submittals.

The winners will announced and awards handed out at the June 11, 2008 Section dinner meeting. Plan to attend and help celebrate with your clients and family.

## ASCE Skagit Tour on May 16, 2008

by Phil Cohen, P.E., P.H.G.

Come join fellow members of ASCE for a full day tour of Seattle City Light's Skagit River Hydroelectric Project set in the gateway to the North Cascades National Park. Enjoy incredible alpine scenery while taking in a boat ride, hot lunch, and tours of the power generating facilities. Best of all, you can enjoy the company of other ASCE members while you travel and sightsee on a chartered bus. ASCE North Branch and Seattle Section will be hosting this event on Friday, May 16, 2008 and are offering it to our membership for \$25.00 – a fraction of the actual cost!

The all-day tour will begin in the morning with boarding the bus at the Northgate Park-n-Ride (105th & I-5). A second boarding of the bus by North Branch members will occur at Sedro-Woolley at the Food Pavilion parking lot. From there, the bus will travel up the scenic Skagit River for 40 miles to the town of Newhalem, home of the Seattle City Light's Skagit Hydroelectric facilities. Starting at around 11 am, tours will be given of the powerhouse area, dam, and surrounding facilities. At noon, we'll board the bus for a short ride to the ranch style cookhouse for a hot lunch and then return an hour later for a 45-minute boat ride on Diablo Lake. Afterwards, there will be additional tours of the area, including a chance to go to the North Cascades National Park Visitor's Center. The bus will leave at 3:30 p.m. for a return to Sedro-Woolley by 5 p.m. and to Seattle -Northgate by 7 pm. (Schedule also shown below)

Due to the limited capacity of the City Light tour, **only 50 seats are available for reservations**. Twenty-five of these will be allotted to the Seattle Section and Kitsap Branch and the other twenty-five to North Branch members. Reservations will be open to ASCE members only until May 1. After that time, non-members may also sign-up.

Please send your \$25.00 check made out to "ASCE North Branch" to:

Jim Perry c/o Skagit Surveyors and Engineers  
806 Metcalf Street  
Sedro-Woolley, WA 98284

Please include your contact information and your ASCE member number. Also indicate if you would like a vegetarian hot lunch at the cookhouse. For a description of the lunch served, see go to the [www.skagittours.com](http://www.skagittours.com) website.



*Diablo Dam.* (Source: Seattle City Light, <http://www.seattle.gov/light/tours/Skagit/>)

### SCHEDULE

(may vary by half hour except on departure time):

- 8:00 am** – Bus departs Northgate Park-n-Ride from South Station for Sedro-Woolley
- 9:45 am** – Bus picks up North Branch members at the Sedro-Woolley Food Pavilion Parking Lot (530 Crossroads Square, Sedro-Woolley, 98284)
- 11:00 am** – Arrival at Diablo Dam Visitor's Center and join tour of dam & powerhouse
- 12:00 pm** – Lunch
- 1:15 pm** – Boat excursion on Diablo Lake
- 2:30 pm** – Continuation of tour
- 3:30 pm** – visit to National Park Service Headquarters
- 4:30 pm** – depart on return trip home
- 5:00 pm** – arrival in Sedro-Woolley Food Pavilion parking lot
- 7:00 pm** – arrival at North Gate Park and Ride

### Questions?

For specific questions please contact:

Phil Cohen at [pcohen@fidalgo.net](mailto:pcohen@fidalgo.net) or call (360) 240 5546.

Also look online at the following Websites of Interest for general tour information.

Websites of Interest:

Skagit Tours – [www.skagittours.com](http://www.skagittours.com) - see Diablo Dam Good Dinner Tour and the Diablo Lake adventure for a description of activity.

National Park Service – N Cascades Nat'l Park  
<http://www.nps.gov/noca/>

## 25th Annual Spring Seminar

By Jeffrey A. Fowler, P.E.



The ASCE Seattle Section Geotechnical Group would like to present the 25th Annual Spring Seminar. This year's topic is on "The Development and Risks in Landslide Sensitive Areas." It will be held April 5th at the University of Washington's Husky Union Building Auditorium.

This year, we are offering a "Soil Strength and Slope Stability" short course the day before the seminar by Professors J.

Michael Duncan and Stephen Wright. It will be held at the Northwest Horticulture Society Hall on the University of Washington Campus.

More information about these events may be found on the Seattle Geotechnical Group website at [www.seattlegeotech.org](http://www.seattlegeotech.org). Registration can also be completed through the website

We look forward to seeing you there!

## Younger Members Visit Hoover Dam



*Seattle Younger Members visited the Hoover Dam during the Western Regional Younger Member Council Meetings held in Las Vegas, Nevada in February.*

*Left to Right, Erin Fletcher (HDR), Melissa Wu (CH2MHill), Ann Bryant, Eric Herzstein (Parsons), Garth Merrill (Parsons), and Josh Shippy (HDR).*

## 2nd Annual Seattle Area Structural & Civil Engineering Softball Tournament

*July/August 2008*

The SEAW Young Members Forum is helping to organize "free agent" teams for smaller companies and individuals.

Sign up available for full teams, partial teams, and individuals.

Contact Andy ([achronister@swensonsayfaget.com](mailto:achronister@swensonsayfaget.com)) for questions and registration.



## Rebuilding Together 2008 – Can you Dig?

by Arthur Fleming

Good news, Rebuilding Together Seattle has asked us to help a very nice elderly woman who lives alone on Capitol Hill secure the front of her house and yard by rebuilding a retaining wall and installing a new steel fence. The house is just north of East Madison St. on 19th Ave. East. This project will require lots of heavy lifting and manual labor! Rebuilding day is Saturday April 26, although given the tasks listed below, we most likely will need some help with the new steel fence on Sunday April 27th.

We need volunteers to:

- Demo the old CMU wall and 3-ft high chain link fence (bring a sledge hammer and eye protection)
- Haul the CMU to the transfer station (a couple of pickups would be nice)
- Dig out from behind the old wall (bring shovels and a couple of wheel barrows)
- Haul in some gravel
- Set 250 or so concrete wall blocks (bring some gloves and work boots)
- Rebuild the concrete steps with retaining wall blocks
- Install 12 steel fence posts
- Build a nice steel fence and double swing gate.

The workday is **Saturday, April 26, 2008**. To volunteer please email Liz Korb ([lizkorb@gmail.com](mailto:lizkorb@gmail.com)) and tell her what you would like to do and whether you prefer the Saturday morning, Saturday afternoon or Sunday afternoon. We will also need people to help haul some debris and to help with lunch. Other suggestions and ideas are welcome too.

Come on out and “give back to the community.” Thanks!

## Employment Notices

To post an employment notice in the newsletter and on the section’s web site, please contact the editor in advance of the monthly deadline. Rates for advertising are shown on page 2.



Devine Tarbell & Associates, Inc., a leader in consulting to the energy industry for over 20 years, is seeking a **Mid-Senior Level Civil Engineer** for an immediate position.

### Responsibilities of this position may include:

- Preparation of project evaluation and feasibility studies, engineering reports, design documents, letters, calculations, drawings, construction specifications and bid packages
- Review and evaluation of hydrologic records, hydraulic flow data, and related information
- Preparation of construction cost estimates and power generation models
- Field work including construction oversight, site inspections & preparation of inspection reports
- Analysis and basic design of steel, timber & concrete structures as elements of pipelines, water diversion or intake structures, powerhouses, bridges, etc.
- Field work and short term, overnight travel to Client facilities and projects located primarily in the western U.S.

### Minimum requirements are:

- B.S. in Civil Engineering from an accredited 4 year institution
- Professional registration as a Civil P.E. preferred
- Min. 5 years prior work experience in the civil engineering field
- Competency with MicroStation or AutoCAD software is desired
- Strong math and written and verbal communication skills
- Self starter with ability to work independently
- Organizational skills to handle multiple assignments successfully
- Previous consulting civil engineering work experience is desirable, including practical experience in some or all of the following areas: hydrology and hydraulic analysis and design, involvement in hydropower and/or water resources projects, structural steel and reinforced concrete analysis and design, geotechnical analysis and design and construction management.

DTA’s continuing growth in HYDRO, WIND and OCEAN ENERGY provides excellent opportunities for our company and employees. DTA offers a competitive salary and benefits package.

Please send resume to [HR@devinetarbell.com](mailto:HR@devinetarbell.com).

[www.devinetarbell.com](http://www.devinetarbell.com).

EOE.



URS Corporation, listed by ENR as the #1 engineering design firm, has a leadership opportunity in water/wastewater engineering in the Seattle office.

We are seeking a Senior Water/Wastewater Engineer with excellent leadership skills to manage interdisciplinary projects. Responsibilities include assisting with proposals and qualification documents; preparing contract documents, scope, and budget; planning and designing water and wastewater projects; interacting with team members, clients, and regulatory agencies; and ensuring that projects stay within budget and on schedule.

Minimum requirements are a BS or higher in civil, chemical, environmental, or sanitary engineering; a Washington PE license or ability to obtain a license within six months of hire; a valid driver's license; five years of experience in engineering with an emphasis on water and wastewater planning and design; and experience in designing engineering projects including water and wastewater treatment systems, pump station, storage facilities, and distribution and collection systems.

Must have experience with MS Office.

Please send your resume to Mike Dadey at [mike\\_dadey@urscorp.com](mailto:mike_dadey@urscorp.com) or visit [www.urscorp.jobs](http://www.urscorp.jobs) for additional information and opportunities.



**HDR, Inc.**  
**Pump Station PM - Water/Wastewater**  
**Bellevue, WA 98015**

HDR is an employee-owned architectural, engineering, planning and consulting firm that excels at helping clients manage complex projects and make sound decisions.

**Description:**

HDR is an architectural, engineering and construction firm that excels at managing complex projects and solving challenges for clients nationwide while providing solutions beyond the scope of traditional A/E/C firms. We are ranked #21 amongst ENR's Top Project Management Firms and we are looking for a Pump Station Project Manager to join our team. While working in the Water/Wastewater department, you will plan and manage all aspects of various sized/disciplined projects. You will be responsible for independently coordinating the work of engineers and balancing the team throughout the entire development of projects while ensuring strict deadlines are met and within budget. The ability to establish client relations is important as you will be involved in marketing, contractual, design and production meetings. You will work with the Business/Accounting Manager or Project Controller and Department Manager for project reviews along with various governing agencies for code compliance. Must maintain engineering professional registration.

This position is available in our Spokane or Bellevue, Washington office.

**Experience Required:**

Minimum of 7 years of Pumpstation Design experience. Bachelor's degree in Engineering. Must have prepared detailed designs, plans, and specifications for municipal water/wastewater design projects.

**Apply Online:**

<http://www.gojobs.com/seeker/aoframeset.asp?JobNum=811713&JBID=1436>

## Calendar of Upcoming Events:

### April 5, 8:30am

#### **History & Heritage Committee Meeting**

Location: UW More Hall Rm 218

Contact: Cindy Hirsch, (206) 438-2150 or

[Cindy.Hirsch@urscorp.com](mailto:Cindy.Hirsch@urscorp.com)

### April 9, 5:30pm

#### **Seattle Section Meeting**

Location: McCormick & Schmick's Harborside Restaurant, 1200 Westlake Avenue North, Seattle

Cost: \$25 per person (\$30 for late reservations)

### April 10, 10:15am – 2pm

#### **UW Alumni Assoc. and UW College of Engineering Behind the Scenes Engineering Tour of Snoqualmie Falls**

Location: Snoqualmie Falls, Snoqualmie, WA

Cost: \$40 for UWAA Members, \$50 for Non-members. Price includes lunch from Salish Lodge.

RSVP: by 8am on Apr. 4th

Register: 206-543-0540 or 1-800-AUW-ALUM or online

at [https://go.washington.edu/uwaa/events/200804eng\\_snoqualmie/details.tcl](https://go.washington.edu/uwaa/events/200804eng_snoqualmie/details.tcl)



## TIME VALUE

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AMERICAN SOCIETY  
OF CIVIL ENGINEERS

SEATTLE SECTION

