



# NORTHWEST ENVIRONMENTAL BUSINESS COUNCIL

## E-News

### FROM THE EXECUTIVE DIRECTOR

#### The Economy and NEBC

So how is NEBC and its members doing in the midst of the struggling economy? Of course each company's situation is unique, based on its offerings and market position. But while some are doing well, and the positive effects of the stimulus spending are beginning to be felt, few feel that we are out of the woods. In fact, I am hearing from many companies who are concerned that the fourth quarter of this year will be particularly tough. A number have made staff cuts, and even the ones who are quite busy are holding off on any new hiring – and all are hanging tightly onto cash.

While the first half of the year was a strong one for NEBC as an organization, the second half has become more challenging. There is always some turnover in membership, but in August the losses edged ahead of new additions. (The good news is that a high percentage of those who have let their memberships lapse have done so reluctantly, and plan to return when their circumstances improve.) In addition, sponsorships for our events have become quite hard to come by. In response, the staff is focusing even more tightly on providing value to our members.

Business development and education are the two top priorities for our members, and our conferences are a way of combining those two deliverables into one event. The 2009 calendar includes a record five specialty conferences, plus the Northwest Environmental Conference & Trade Show. What these have in common is their strong focus on attracting attendees from the general business community, rather than just catering to service providers. In other words, our objective is to help our members get in front of potential customers.

Successful professionals also know that immense business and personal value is gained by interacting with others outside of their companies. Therefore, providing opportunities for networking and collaborating has always been a strong NEBC focus. Beyond our luncheons and social events in Seattle, Portland, and Boise, we now manage four forums (special interest groups), each with its own listserv. And we are starting up a new one this fall for those working in the climate change arena. How does a new forum get started? Members ask for it, and we respond.

On the legislative side, we once again successfully fought off an attempt to create new licensing requirements in Washington for both “soil scientists” and “wetland scientists.” Our position is that current professional licensure provides adequate protection for the public, and that additional certifications primarily benefit the certifying organizations. We also weighed in on energy legislation in both Washington and Oregon. Perhaps more importantly, we are always looking for ways to influence regulatory policies and practices – so that they actually do the job intended.

NEBC also works behind the scenes with numerous economic development agencies and media outlets to assure that the contributions of our collective industries are recognized. And then there are services like the new Employer Pages tool that benefit member companies (see [www.nebcjobs.org](http://www.nebcjobs.org))

With our range of education, networking, governmental affairs, and outreach activities, I am somewhat (but not really) surprised that the NEBC membership dues are most often paid from a company's marketing budget. And I am also, but not really, surprised by the counter-productive practice of cutting the marketing budget when times are tough. We at NEBC know that supporting your business is our priority. We also know that being visible, active, and engaged is the way for you to get the most out of your membership. We provide the vehicle, then it is up to you.

#### Renewing Members in August

Davis Wright Tremaine, LLP  
 EnviroFinance Group  
 ETEC, LLC  
 FCStone, LLC  
 Fredrickson & Byron, P.A.  
 Frontier Geosciences  
 Good Company

#### Pacific Northwest National Laboratory

Stantec Consulting  
 Washington State Department of Commerce

#### New Members in July

EnviroTech Services  
 NewFields  
 NW Stormwater Management, LLC  
 SCC Solar Energy Group

*NEBC Sponsoring Members are in Bold. Contact your NEBC staff at to learn more about becoming an NEBC Sponsoring Member!*

Thanks to all of you who understand this dynamic and who continue to make NEBC a priority in your tight budgets. I have no doubt that together we will weather this downturn. Meanwhile, we are working hard to plant the seeds for a robust 2010.



Robert Grott

## NEBC CONFERENCES, MEETINGS & TRADE SHOWS

**September 17. Summer Rooftop Mixer. Portland.** Summer is almost over which means it's time for NEBC Cascade Chapter's Summer Mixer. Skip the traffic jams and relax with friends, colleagues and NEBC members for this fun event. Unwind and network with everyone on the rooftop patio at Perkins Coie's. Savor the views of the Pearl and Forest Park, sip your favorite beverage and enjoy the delicious hors d'oeuvres from Crave Catering. This event is a great opportunity to meet new members and network with potential partners. Registration includes a drink ticket and hors d'oeuvres.

**September 23. WA Energy Forum. \$15M for Alternative Fuel & Vehicle Projects in Puget Sound. Seattle.** Stephanie Meyn, Director of Puget Sound Clean Cities Coalition, will speak about when to expect announcements of jobs and contracts that will result from this ARRA funding. On August 26th The U.S. Department of Energy (DOE) awarded the Puget Sound Clean Air Agency's Clean Cities Coalition program \$15 million for alternative fuel and vehicle projects throughout the Puget Sound region. *"These projects will put more than 650 alternative fuel and advanced technology vehicles on the road, and build new fueling stations and several hundred electric charging stations. This level of funding is unprecedented in the history of the Department of Energy's Clean Cities Program, and will allow our local Coalition partners to significantly reduce their vehicle emissions and use of foreign oil, while also increasing local green jobs,"* said Stephanie Meyn, Puget Sound Clean Cities Coalition Coordinator. *"This is really something to celebrate!"* This is a free event but RSVP is necessary, please.

**September 24. Climate Change Conference: Positioning Your Business. Portland.** Presented by NEBC, AOI and OBA this conference is designed to help business decision makers and service professionals understand how to integrate greenhouse gas management issues into a strategic framework for planning and action. Within the context of federal, state, and local policies, organizations need to decide why, if, when, and how to act. Year three of this event addresses the practical business issues and decisions tied to managing a company's carbon footprint. This strategic, business-oriented focus distinguishes *Climate Change: Positioning Your Business* from other conferences in this space.



**September 30. Oregon Energy Forum Breakfast Mtg. Portland.** Oregon's economic development agencies are working to maintain and increase the state's position as a leader in renewable energy production and equipment manufacturing. Michael Grainey, Renewable Energy Advisor for the Oregon Business Development Department (formerly OECD), and Pamela Neal, Senior Manager for Clean Tech & Sustainable Industries at the Portland Development Commission, will lead a discussion about their organizations' strategies, our strengths and challenges, and what industry members can do to help. No charge, but please RSVP so we can order food - to [robert@nebc.org](mailto:robert@nebc.org)

**September 30. Rocky Mountain Chapter Reception & Presentation. Helena, MT.** Mark your calendars to meet on September 30 for an evening reception and presentation on Current Regional Water Topics hosted by Northwest Environmental Business Council, Rocky Mountain Chapter. Join fellow NEBC members and environmental professionals as we enjoy light refreshments and cool beverages before listening to a presentation by a representative from Kadrmas, Lee & Jackson. This is a free event but we request you RSVP. Click Here or contact Karl Unterschuetz ([karl@nebc.org](mailto:karl@nebc.org))

**October 7. Social Media & Your Business. Luncheon. Seattle.** Participation in social media, including services like Facebook, LinkedIn and Twitter is being touted as a "must do" for businesses looking to attract and engage customers. But how does this approach relate to the sale of technical services as opposed to consumer products? Public relations experts will discuss how social media works, what are its pros and cons, when does it make sense for your company and how to get started. Speakers: Colleen Moffitt, Communicate PR and Jaime Quick, Scoville Public Relations, LLC.

**October 8. [How Would You Revitalize Industrial Redevelopment in Portland Harbor? Luncheon.](#)**

**Portland.** *An Interactive Discussion with PDC & the Port of Portland.* Paul Slyman, Director of Harbor ReDi and David Ashton, legal counsel for the Port of Portland, will provide a brief update of PDC and Port activities related to the Portland Harbor Superfund site, focusing on major challenges to redevelopment. As part of this discussion, they will solicit feedback from the audience on tools and resources that could help PRPs and prospective purchasers overcome these challenges. Take this opportunity to help shape the solutions for the Portland Harbor.

**October 14. [Brownfields Redevelopment Conference. Tacoma.](#)**

Presented by NEBC, this conference brings together the diverse parties that need to work in concert to transform contaminated properties into economic success stories – with an agenda that emphasizes the manner in which multiple disciplines need to be integrated into a project from start to finish. The theme of “Building Sustainable Communities” responds to the growing interest by communities to rethink development models in ways that reflect sustainability principles and reduce their carbon footprints. This creates a new context for developers and increases the importance of public/private partnerships. At the same time, the conference explores how these goals must align with the economic realities of the property development marketplace. **Sponsorship & Exhibiting Opportunities are available.** [Click Here](#) or call Sue at 503-227-6361 or Lauren at 206-232-0467.

**November 4. [Applying Sustainability Principles to Regulatory Decisions. Luncheon. Seattle.](#)**

Environmental laws tend to have a single focus, such as clean air, clean water or waste disposal. Pursuit of these singular goals without consideration of other direct and indirect environmental impacts can perversely result in creating greater environmental impacts than no controls at all. This presentation will examine this perversity and explore concepts for achieving net environmental benefits both within existing regulatory schemes and with statutory reform. Mark Morford begins the discussion in an article published *The Oregon Insider*, February 2009 Sustainable Regulation, Weaving Sustainability Into Regulatory Decisions. [http://www.stoel.com/files/Insider\\_Feb2009\\_Sustainability.pdf](http://www.stoel.com/files/Insider_Feb2009_Sustainability.pdf)

**December 7 & 8. [Northwest Environmental Conference & Trade Show. Portland.](#)** NEBC invites you to exhibit at the 2009 NWEAC Trade Show; one of the largest, most comprehensive environmental conference and trade shows in the Pacific Northwest. Exhibiting at NWEAC is an opportunity to interact with decision makers in a highly competitive and sometimes hard-to-reach industry, reaching attendees with purchasing authority. NWEAC offers a wide variety of opportunities to increase your company's visibility among its target audience. Priority for space assignment will be based on the order in which applications are received and availability of space requested. So for the best chance of getting your favorite booth – send your completed application in as soon as possible.

**Special Thanks to all our Sponsoring Members!**

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**INDUSTRY NEWS & EVENTS**

**EnterpriseSeattle Announces Zayed Future Energy Prize.** Each year, the government of Abu Dhabi awards the Zayed Future Energy Prize which is designed to recognize those at the forefront of energy innovation. The winner of the prize is awarded \$1.5 million. EnterpriseSeattle became aware of this prize as a result of the Greater Seattle Chamber/Trade Development Alliance International Study Mission to Abu Dhabi and Dubai earlier this year. It is easy to apply for the Zayed Future Energy Prize. You can register and apply online here: <http://zayed.prizeforenergy.com/2009/Register.jsp>. Please let Steve Gerritson, [sgerritson@enterpriseseatle.org](mailto:sgerritson@enterpriseseatle.org), know if you submitted and we will try to work with our friends in Abu Dhabi to support your application. The award for winning the Zayed Prize is \$1.5 million but Abu Dhabi, which has a considerable sovereign wealth fund and an economy that is getting through the recession better than most, is an opportunity for additional investment possibilities. In other words, the application, which is neither long nor cumbersome, is well worth your time.

**AGRICULTURE SECRETARY VILSACK ANNOUNCES AVAILABILITY OF VALUE ADDED PRODUCER GRANTS.** Agriculture Secretary Tom Vilsack today announced that USDA will soon be accepting applications for grants to assist agricultural producers seeking to add value to the commodities they produce. Approximately

\$18 million will be awarded nationwide. Vilsack highlighted a past grant recipient in Ohio as an example of how local producers have used USDA's Value Added Producer Grant funds to expand markets for locally grown produce. The Chef's Garden, Inc., in Huron, Ohio, received a \$97,500 grant to explore the feasibility of processing and marketing products derived from locally-grown produce. The 40-year-old company has completed market research efforts and is now selecting products to market to consumers. The company projects a 20 percent increase in sales. USDA plans to award planning grants of up to \$100,000 and working capital grants of up to \$300,000 to successful applicants. Applicants are encouraged to propose projects that use existing agricultural products in non-traditional ways or merge agricultural products with technology in creative ways. Businesses of all sizes may apply, but priority will be given to operators of small and medium-sized family farms - those with average, annual gross sales of less than \$700,000. Applicants must provide matching funds equal to the amount of the grant requested. Ten percent of the funding being made available is reserved for beginning farmers or ranchers and socially disadvantaged farmers or ranchers. An additional 10 percent is reserved for projects involving local and regional supply networks that link independent producers with businesses and cooperatives that market value-added products. Paper and electronic applications must be submitted to the Rural Development state office in the state where the project will be located. A list of state offices is available at [www.rurdev.usda.gov/recd\\_map.html](http://www.rurdev.usda.gov/recd_map.html) <[http://www.rurdev.usda.gov/recd\\_map.html](http://www.rurdev.usda.gov/recd_map.html)> . Electronic applications must be submitted through [www.Grants.gov](http://www.Grants.gov) <<http://www.Grants.gov>> .



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**Update on Section 1603 Cash Grants for Renewable Energy Project Funding.** The Department of the Treasury and the U.S. Department of Energy announced at the end of July that they would be accepting applications for a program that will make direct payments in lieu of tax credits to companies that create and place in service renewable energy facilities. The two Departments estimated distributing at least \$3 billion in financial support to approximately 5,000 biomass, solar, wind, and other types of renewable energy production facilities. The funding for this effort is made available through the American Recovery and Reinvestment Act. Tax credits for renewable energy projects can be turned into upfront capital, enabling companies and firms to secure financing and begin construction. The DOE suggests that application for these grants should be expedited as the grants will be awarded only until the program funding is exhausted. Early applicants whose applications are accepted will be included in a forthcoming announcement from the DOE when the program reaches \$1Billion in approved applications on/about the end of August. The \$3 billion in grants could enable between \$10-14 billion of capital investment in projects that would not be able to be financed without this program -- projects that are ready to be built but are waiting to close financing and start construction. For the 1603 Grant terms & conditions, guidance, and a sample application, visit: [www.treas.gov/recovery/1603.shtml](http://www.treas.gov/recovery/1603.shtml) Read the US Treasury's Press Release: [TREASURY, ENERGY NOW ACCEPTING APPLICATIONS FOR FUNDING FOR RENEWABLE ENERGY PROJECTS](#); Direct Cash Payments Will Advance Economic Development, Expand

Renewable Energy Use. If you have any specific questions about the 1603 grant applications, we recommend that you work with a law firm or financial consultant. But if you have any general questions, please contact Jeramy Shays, Policy Associate at ACORE [shays@acore.org](mailto:shays@acore.org).

**Employer Pages.** Features include a company branded landing page, job-specific screening questions, an application tracking system, access to a suite of optional assessment tools, and full customization options. The system also publishes jobs to a variety of free job boards, and is optimized for search engine discovery. Employer Pages can be a stand-alone tool or a portal to your in-house applicant tracking system. Do you get overwhelmed managing applications for job openings? NEBC has partnered with Performance Resources to provide a simple-to-use, web-based hiring system to manage and track job openings and employment applications, while increasing your applicant pool. The basic service is free for NEBC members.

**September 14. Oregon Best Fest 09. Portland.** The Oregon Built Environment & Sustainable Technologies Center (Oregon BEST) invites you to attend Oregon BEST FEST '09, an informative and engaging opportunity to [www.nebc.org](http://www.nebc.org)

connect with Oregon's leading green building and renewable energy researchers, business leaders, entrepreneurs, government representatives, and others interested in fueling Oregon's green economy. This is a not-to-be-missed opportunity to connect with green building and renewable energy researchers, Oregon business leaders, government representatives, national funding agency program managers and other others interested in fueling Oregon's green economy. Register online [here](#).

**September 14-16. CLEAN PACIFIC Conference & Exposition. Portland.** Companies from throughout the oil and chemical spill, maritime security industry, and the marine salvage industry will be in attendance at this 2nd Biennial event. Key professionals from regulatory agencies, the federal and state/provincial government, and private industry will address the real issues of cooperation, regulation, preparedness, prevention, and response. Topics will include NPDES Regulations, Transboundary Spill Issues, Lessons Learned from Cosco Busan, Shorezone Mapping, etc. \$50 discount for NEBC members. For more information visit [www.cleanpacific.org](http://www.cleanpacific.org).

**September 15-16. 2009 Ocean Renewable Energy IV. Seaside, OR.** Presented by Oregon Wave Energy Trust (OWET), this year's conference will bring together local, national and international renewable and wave energy leaders to continue the conversation about how we responsibly develop the emerging wave energy industry in Oregon, the United States and around the world. Participants will include stakeholders representing the full spectrum of wave energy project development – from early-stage community engagement to deployment and energy generation – including project developers, coastal community leaders, utilities, academia, state and federal regulators, researchers and others. For more information visit: [www.oregonwave.org](http://www.oregonwave.org).



NEBC is the regional environmental trade association recognized by state and federal regulators and the regulated community.

Buyers of environmental and energy services & technologies look to NEBC to find reputable industry leaders.

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**September 15-17. Backpack Electrofishing: Principles and Practices. Vancouver, WA.** Electrofishing is an effective way to sample freshwater fish populations. However, electrofishing may cause fish injury or mortality. The proper balance between efficient sampling and minimal harm to fish is achieved through knowledge of electrofishing principles and use of proper techniques. This three-day course is intended to meet the National Marine Fisheries Service (NMFS) training requirements for electrofishing field staff. The NMFS guidance and training requirements document may be downloaded here. The first day is spent in the classroom on principles of electricity in circuits (e.g., wires) and fields (e.g., water) and effects of electroshock on fish behavior and fish welfare. The second day begins in the classroom with information on backpack electrofishing equipment and human safety during backpack operations. Most of the second day is spent on a nearby stream learning to evaluate and troubleshoot backpack equipment and practicing techniques to capture fish efficiently and with minimal harm. On the third day, the course concludes in the classroom on sampling design and

methods, and on the analysis of field trip data collected to produce a power table for standardized sampling. [http://nwetc.org/bio-407\\_09-09\\_vancouver.htm](http://nwetc.org/bio-407_09-09_vancouver.htm)

**September 16. Sustainable Industries Economic Forum 2009. Portland.** For most people in the sustainable business sector today, the past decade has been one of rapid and unforeseen change. Few can attest to the treacherous journey behind and the long road ahead better than Paul Hawken, the legendary entrepreneur and author. Paul will be joined by Dave Williams, Shorebank Pacific, Rob Harmon, Bonneville Environmental Foundation and Elaine Aye in a lively discussion of the economics of sustainability. For more information and to register: <http://www.sustainableindustries.com/forums/portland>

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**September 18. Perfecting Your Pitch. Seattle.** Are you uncomfortable telling your story in ten or fifteen minutes? Do you find yourself caught off guard by unexpected questions? Do you worry about presenting your company to potential investors in the best possible light? If so, consider joining us for Perfecting Your Pitch. Led by Tracy Corley, Chief Strategist of TsuluWerks and Tracy A. Corley & Associates, this half-day workshop is designed for CEOs and other C-level executives of start-ups and growing businesses. The cost of \$95 includes conference materials, continental breakfast, and one half-hour, one-on-one coaching session at your convenience. To register, go to <https://www.123signup.com/register?id=jmfxq>, or call Steve Gerritson at 206-389-8656.

**September 18. Ecosystem Goods and Service Valuation. Seattle.** This one-day course for non-economists will provide participants an overview of general natural resource economics with an emphasis on how economics can help resource managers make decisions. Special emphasis will be placed on ecosystem service valuation, regional economics, impact analysis, benefit cost analysis and particularly the development of ecosystem markets. Economic ecosystem valuation and ecosystem markets are being described by many as a new tool for resource management. [http://nwetc.org/sust-801\\_09-09\\_seattle.htm](http://nwetc.org/sust-801_09-09_seattle.htm)

**September 21. Columbia Corridor Association Golf Tournament. Portland.** The CCA Classic is a great way to support CCA and have a fun day on the links. We'll once again be walking the greens of the Riverside Golf & Country Club at a beautiful time of year. This renown course will be ours for the day and the Riverside staff will be there to meet our needs. Join us for a great day of golf. [Click Here](#) for a Registration Form or contact Marissa King at 503.287.8686 or [mking@columbiacorridor.org](mailto:mking@columbiacorridor.org).

**September 21 – 25. Introduction to Engineered Log Jam - Technology and Applications for Erosion Control and Fish Habitat. Quileute Ocean-Side Resort.** Engineered log jam (ELJ) technology offers an important tool for restoring fluvial ecosystems and solving traditional river management problems such as bank protection, debris retention, and grade control. This class will provide an overview of the principles, potential applications, and limitations of ELJ technology; spending approximately half the time in the field examining both natural and engineered log jams. The class will begin with a description of the characteristics and processes of natural wood accumulation and end with examples of how ELJ structures have performed, and an overview of design elements and costs. [http://nwetc.org/hyd-501\\_09-09\\_peninsula.htm](http://nwetc.org/hyd-501_09-09_peninsula.htm)

**September 23. Portland Roundtable Event: Why the Northwest Should Care About Improving Energy Efficiency in China. Portland.** In late 2007, the China-U.S. Energy Efficiency Alliance launched a Roundtable series designed to share the latest developments with respect to energy and environmental issues in China and to provide an opportunity for discussion with key experts in this field. In conjunction with Ecos, an Alliance Partner, we would like to cordially invite you to participate in our next roundtable discussion: Why the Northwest Should Care About Improving Energy Efficiency in China. The Roundtable will also provide an opportunity to network with other invited guests: business leaders, government officials, high-tech and energy professionals, and specialists from the academic and non-profit communities. While space for this event is limited, please feel free to pass on this invitation to others who may be interested in attending. To RSVP for the event, please [click here](#).

**September 23. The New Regional Transportation Plan. Portland.** On September 15<sup>th</sup> Michael Jordan, Metro's Chief Operating Officer, will release his recommendations on the Regional Transportation Plan (RTP), the Urban Growth Boundary, infrastructure investment, and a framework for measuring effectiveness. Rod Park and Rex Burkholder, the two Metro Councilors that represent the Columbia Corridor, will focus on the RTP while putting it in context of the other recommendations. At first glance, regional transportation networks and urban growth boundaries may not appear to be a Columbia Corridor issue. However, as the Portland Metro area attempts to control sprawl, a healthy industrial corridor close to downtown becomes increasingly imperative. If we don't want to spend a lot of money on a highway to Damascus, we have to improve intersections on

Columbia Blvd. Please join the discussion and let Rod and Rex know how you feel. 7:30 am - 9:00 am. [Reserve Online](#) or contact Marissa King: 503.287.8686. [mking@columbiacorridor.org](mailto:mking@columbiacorridor.org)

**September 23 & 24. STAR (Sustainability Training for Accredited Real Estate Professionals).**

**Portland.** Real estate professionals learn how to sell and market green homes, and communicate to clients the benefits of sustainable building. [Learn More](#)

**September 25 & 26. \*NEW\* Certified Residential Green Appraiser™ Series. Portland.** Presented by Earth Advantage Institute and Watkins & Associates Course 1: Green Homes for Appraisers -This course introduces students to the history and practice of construction methods and trends of green residential building practices. [Learn More](#)

**October 1-2. New Effluent Limitation Guidelines (ELG) Anchorage, AK.** As new Effluent Limitation Guidelines (ELG) regulations for construction sites are being finalized by the EPA for a December 2009 release date, it is important to fully understand the regulations, their implications and the technologies that the EPA describes as being able to achieve the prescribed regulations, namely Advanced Treatment Systems (ATS). This is one of the most significant changes in stormwater regulations since the NPDES permits were issued. [http://nwetc.org/pol-401\\_10-09\\_anchorage.htm](http://nwetc.org/pol-401_10-09_anchorage.htm)

**October 6-8. EOS Alliance presents in Partnership with Vancouver Island University; Natural Resources Program: Erosion and Sediment Control. Seattle.** A comprehensive three-day applied overview of skills, abilities and procedures required for effective erosion and sediment control planning, construction and maintenance. The three-day course introduces participants to the theory and practice of erosion and sediment control via in-class lectures and exercises (1.0 day), and numerous field exercises (2.0 days). Participants will spend considerable time in a field-based practicum planning, constructing, evaluating and maintaining erosion control structures and products for a wide variety of applications. [http://nwetc.org/hyd-601\\_10-09\\_seattle.htm](http://nwetc.org/hyd-601_10-09_seattle.htm)

**October 7. Advanced Tools for In-Situ Remediation. Portland.** The Advanced Tools for In-Situ Remediation Workshop is an 8 hour program presented in a combined classroom and participatory workshop format. The workshop is formulated for Environmental Professionals with a broad range of skills, but focused on those who evaluate environmental data, or design environmental remedial projects, where in-situ degradation is a significant component. This course presents the latest information on contaminant degraders, degradation pathways, and process assessment and quantification techniques. The focus of the work shop is the selection and implementation of state of the art tools and strategies for the assessment and documentation of in-situ degradation processes. These new tools - developed specifically to improve the performance of in-situ remediation and focused to help you close sites - will be presented by experts in the field. Case studies, regulatory perspectives, and performance information will help you apply these tools on your next project. [Click here for a complete description and agenda](#) Registration forms and more information at: <http://www.deq.state.or.us/lq/traininginsitu.htm>

**October 14. Smart Grid 101 'The Future is Now'. Seattle.** This course provides a comprehensive introduction to smart grid technology including deployment and applications. The material focuses on high-level aspects of smart electrical grids, and the benefits, challenges, and opportunities in the present economy. The course also addresses the increase in electric vehicles and plug-in hybrids, and associated demand for smart grid charging stations. The specific technical aspects of smart grid engineering and systems design are beyond the scope of this one-day course and will be covered in future courses intended for smart grid workforce development and systems management professionals. [http://nwetc.org/sust-802\\_10-09\\_seattle.htm](http://nwetc.org/sust-802_10-09_seattle.htm)

**October 14-16. The Annual Infrastructure Assistance Coordinating Council (IACC) Conference. Wenatchee, Washington.** This year's theme is "Making Cents In A Changing Environment" Come and learn about funding and regulatory programs for your infrastructure projects. Network with other local governments; meet with regulators and funding professionals; share your ideas while learning from others! IACC is dedicated to helping Washington communities identify and obtain resources they need to develop, improve, and maintain public works programs. Together with IACC, communities are better able to provide the infrastructure necessary to enhance, preserve, and protect Washington's environment and quality of life. For more information about IACC please visit [www.infracfunding.wa.gov](http://www.infracfunding.wa.gov).

**October 15-16. Triple Bottom Line Reporting: Measuring Environmental, Social and Economic Performance. Seattle.** There is a growing trend of governmental agencies and non-profit organizations issuing triple bottom line reports. Accountability for environmental, social and economic impacts of a company is increasingly becoming a part of every manager or governmental official's job. [http://nwetc.org/sust-404\\_10-09\\_seattle.htm](http://nwetc.org/sust-404_10-09_seattle.htm)

**October 19. Fundamental Contaminant Chemistry - A review of chemistry principles essential for understanding contaminant transport, fate, and remediation. Seattle.** This course provides participants with an overview/refresher of key chemistry concepts associated with environmental contamination and provides a foundation for understanding contaminant transport, fate, and remediation. This material is intended

for environmental professionals who are not chemists and require a fundamental understanding of chemistry principles for their work. This course is recommended for all environmental professionals working with contaminated soil and water with minimal formal training in the subject. It is also recommended for project managers seeking a review of contaminant chemistry. This course includes a review of chemical naming rules (e.g., understanding what 1,1,1-TCA is) and how to use chemical names to predict molecular geometry and environmental behavior. [http://nwetc.org/chem-403a\\_10-09\\_seattle.htm](http://nwetc.org/chem-403a_10-09_seattle.htm)

**October 20-21. Contaminated Site Assessments for Remedial Investigations - Understanding petroleum, chlorinated hydrocarbons, and metals behavior in soil and groundwater. Seattle.** This course provides participants with an overview of key concepts essential for understanding soil and groundwater contamination and the selection of appropriate remediation approaches. This material is intended for environmental professionals who require a solid understanding of contaminant behavior, monitoring parameters, and how both relate to site remediation. This course is recommended for all environmental professionals working with contaminated soil and groundwater seeking a thorough review of essential topics. The course material will greatly enhance on-the-job training and is also recommended for project managers seeking a more thorough understanding of contaminant behavior. [http://nwetc.org/chem-403b\\_10-09\\_seattle.htm](http://nwetc.org/chem-403b_10-09_seattle.htm)

**October 22-23. Applications of Monitored Natural Attenuation (MNA) for Remediation of Petroleum and Chlorinated Hydrocarbons in Soil and Groundwater. Seattle.** This course provides participants with a practical overview of the science and best practices for implementing monitored natural attenuation for soil and groundwater remediation. The course sections focus specifically on monitored natural attenuation of petroleum hydrocarbons, fuel oxygenates, and chlorinated hydrocarbons (solvents). Software tools for natural attenuation analysis and methods for enhancing natural attenuation will also be discussed. [http://nwetc.org/ghyd-410\\_10-09\\_seattle.htm](http://nwetc.org/ghyd-410_10-09_seattle.htm)

**October 21-22. Upstream Fish Passage - Fish Behavior, Engineering and Related Considerations. Umatilla, OR.** This course focuses on multidisciplinary aspects of the fish passage design development process, and is based on experience in design of upstream fish ways throughout the Pacific Northwest during the last 30 years. Initial course emphasis is on fish behavior, as the key factor in site selection and design of fish way features. What constitutes an impediment, and the need for a fish way is covered, as are different types of "exclusion barriers" (those barriers designed for management purposes). Different types of fish ladders, lifts, and locks are described, with discussion of features and design criteria. [http://nwetc.org/bio-306\\_10-09\\_umatilla.htm](http://nwetc.org/bio-306_10-09_umatilla.htm)

**October 28-30. Pacific Salmonid Recovery Conference 2009. Seattle.** This regional conference provides participants with current fisheries science, regulatory updates, and innovative strategies for assessment, restoration, and monitoring of salmonid populations and their habitat. NEBC Members receive \$60 off full conference rate! [http://nwetc.org/bio-500\\_10-09\\_seattle.htm](http://nwetc.org/bio-500_10-09_seattle.htm) Full-conference pass (3 days): Regular rate - \$495, Reduced rate for NEBC members - \$435\*. One-day pass: Regular rate - \$250, Reduced rate for NEBC members - \$195\* [Register Online Now. https://nwetc.org/registration\\_process/reg\\_bio-500\\_10-09\\_attendee/registration.htm](https://nwetc.org/registration_process/reg_bio-500_10-09_attendee/registration.htm)

**October 29. ECOSS' 16th Annual Benefit Event. Seattle.** ECOSS Annual Benefit features: open bar with local wine and beer, heavy appetizers from Herban Feast catering, three Silent Auction Tables, entertainment by Hochiwichi and many more surprises throughout the night! To purchase tickets or for more information, please call 206.767.0432, email [Elise@ecoss.org](mailto:Elise@ecoss.org), or visit [www.ecoss.org](http://www.ecoss.org)

**October 29-30. Assessing the Ecological Functions of Streams & Wetlands with the Hydrogeomorphic (HGM) Approach. Seattle.** The Hydrogeomorphic (HGM) approach is a tool to rapidly assess the ecological functions of "waters" such as streams, wetlands and lacustrine fringes. As the emphasis on ecological functions increases in environmental management, impact assessments, and restoration/mitigation, the need to utilize functional assessments such as the HGM approach increases. The Rapanos guidance from the U.S. Army Corps of Engineers emphasizes the use of functional assessments, along with hydrologic assessments to determine the jurisdictional status of waters and the HGM approach has been used to satisfy the functional assessment. The HGM approach has been regionalized for a number of locations throughout the country, and the method is the basis for the Washington State Method for Assessing Wetlands and in Oregon for the Hydrogeomorphic Guidebooks for Assessing Wetlands. [http://nwetc.org/hyd-603\\_10-09\\_seattle.html](http://nwetc.org/hyd-603_10-09_seattle.html)

**November 4-6. Water Quality Sampling and Design. Seattle.** This three-day comprehensive field and classroom-based course will provide participants with applied introduction to standard techniques for effluent and ambient water quality sampling and in-depth knowledge and skills required to design and develop a structured water quality monitoring program. Course participants will learn standard freshwater sampling quality assurance measures, as well as spend considerable time in field and lab-based sessions learning to operate various types of sampling equipment as well as completing and participating in a number of case

studies and exercises to reinforce the principles introduced in the classroom. The case studies will uphold current British Columbia provincial and federal legislation and best management practices for monitoring program design. More information at [www.nwetc.org](http://www.nwetc.org)

**November 17-19. High Performance Solar Site Evaluation Training: For Optimal System Design.**

**Seattle.** As solar companies get off the ground, many are finding the need for qualified solar site evaluators and estimators. Jobs in this area will see tremendous growth. This course is specially designed for the non-tradesperson and gives students a keen understanding of solar site evaluation techniques and theory. Students will be introduced to layout and cost estimating of solar energy systems. The instructor will offer his own real world tools and processes including complete site evaluation checklists and layout tools. Students will enjoy highly visualized classroom theory and hands on field work including performance of a residential solar site evaluation. More information at [www.nwetc.org](http://www.nwetc.org).

**November 13. Prosperity Partnership Fall Luncheon. Seattle.** The Prosperity Partnership welcomes Alan Mulally, President and Chief Executive Officer of the Ford Motor Company, as the keynote speaker for the annual Fall Luncheon. Having served as one of our region's leading corporate citizens, Mulally's insights into our region's business climate will be invaluable. In addition, he will highlight the growing shared opportunities between the Ford Motor Company and this region around clean technology and vehicle electrification. The annual Fall Luncheon is the Prosperity Partnership's centerpiece event, attracting close to 1,000 business, government and community leaders each year to celebrate our coalition's accomplishments and prepare for the year ahead. [Register now.](#)

## EMPLOYMENT OPPORTUNITIES

Oregon Department of Environmental Quality is recruiting for the following positions. For more information and to apply please follow this link. <http://www.deq.state.or.us/msd/hr/jobs.asp>

**ACCOUNTANT 4.** Accountant

\$49,080-\$71,832 annually

Close: September 14, 2009

Announcement Number: LEEQ9024

**Location: Portland**

**ELECTRONIC PUBLISHING DESIGN SPEC 2,** Air Quality Division Web Publisher

\$2,814 to \$4,090 monthly

Close: September 8, 2009

Announcement Number: LEEQ9020

**Location: Portland**

**NATURAL RESOURCE SPECIALIST 5,** Senior Water Quality Specialist

\$56,592 to \$82,500 annually

Close: September 25, 2009

Announcement Number: LEEQ9010-A

**Location: Portland**

**NATURAL RESOURCE SPECIALIST 4,** Water Quality Standards Specialist

\$41,165 to \$60,182 Annually (80%)

Close: September 10, 2009

Announcement Number: LEEQ9019A

**Location: Portland**

**NATURAL RESOURCE SPECIALIST 1,** Air Quality Permit Writer & Inspector

\$33,768 to \$49,080 annually

Close: September 11, 2009

Announcement Number: LEEQ9022

**Location: Medford**

**Student Internship Matching Service.** The Business Education Compact (BEC) provides companies with access to student interns from high school to doctoral candidate levels. The year-round program makes internship easy, with a turnkey service that includes screening and recruiting strong candidates that fit your job requirements, interview scheduling, orientation, payroll, as well as management support throughout the internship. BEC is a nonprofit serving Oregon and SW Washington, connecting the classroom and workplace for the past 24 years. Contact Mark Read at the BEC: [mread@becpdx.org](mailto:mread@becpdx.org); 503.646.0242 x37.

**Internship Program – Oregon State University.** Students from the Oregon State University School of Chemical, Biological, and Environmental Engineering are looking for internships. Students majoring in chemical engineering, bioengineering or environmental engineering are looking for internships. As part of our mission to graduate 'work ready' engineers we encourage our students to pursue summer industrial or government

internships. Students work on projects which require applications of their engineering skills. The internships are paid internships; pay scales are typically from \$11.00/hr to \$18.00/hr, but the compensation is between the intern and the employer. For more information about the program or to list your opening on our website please contact Tracy Rothwell at [Tracy.Rothwell@oregonstate.edu](mailto:Tracy.Rothwell@oregonstate.edu). More information about the School of Chemical, Biological, and Environmental Engineering can be found at <http://cbee.oregonstate.edu/>.

## MEMBER DISCOUNTS

**Employer Pages.** Do you get overwhelmed managing applications for job openings? NEBC has partnered with Performance Resources to provide a simple-to-use, web-based hiring system to manage and track job openings and employment applications, while increasing your applicant pool. Features include a company branded landing page, job-specific screening questions, an application tracking system, access to a suite of optional assessment tools, and full customization options. The system also publishes jobs to a variety of free job boards, and is optimized for search engine discovery. Employer Pages can be a stand-alone tool or a portal to your in-house applicant tracking system. The basic service is **free for NEBC members**.

**Washington NEBC Members Have New Benefits Available.** It has been a long time coming, but after several years of work we have secured a great plan for NEBC members in Washington. Medical coverage is provided through United Health Care. A wide range of plans are available to companies with 2-400 employees. On average companies are saving \$100 - \$150 per employee, per month. Dental, Life & Disability are also available. Additionally, some products include COBRA administration and Cafeteria plan administration at not cost to you. Click here to learn [http://www.cooleremail.net/users/tcversoza/FirstMailingList\\_How\\$to\\$get\\$a\\$quote.html](http://www.cooleremail.net/users/tcversoza/FirstMailingList_How$to$get$a$quote.html).

**Financial Planning Services with Waddell & Reed.** NEBC members receive at 20% discount on financial planning services provided by Waddell & Reed, a national financial planning firm founded in 1937. Planning services include retirement planning, wealth management, tax-efficient investing, education funding, estate protection, and succession planning for closely-held businesses. Other business services include retirement plans and financial education workshops. Contact Karen Einberger, Financial Advisor, Waddell & Reed, 206.283.6661 or [keinberger@wradvisors.com](mailto:keinberger@wradvisors.com).

**Northwest Environmental Training Center.** NEBC has partnered with NWETC to offer our member companies an exceptional opportunity to provide continuing education to its employees at a 20% discount off the published rate on all of NWETC's technical training workshops, conferences, and seminars. For more information, visit their website <http://www.nwetc.org/> or contact Erick McWayne at 206-762-1976.

**Oregon Insider.** NEBC members may take advantage of a \$150 introductory rate for the first year (24 issues), a savings of \$95 off their regular base rate. In addition, NEBC members will enjoy an ongoing subscription rate of \$195 per year, which represents an ongoing savings of \$50 per year. To redeem your discount please contact Oregon Insider by calling David Light at 541.343.8504 or by email at [epi@rio.com](mailto:epi@rio.com).

**Student Internship Matching Service.** The Business Education Compact (BEC) provides companies with access to student interns from high school to doctoral candidate levels. The year-round program makes internship easy, with a turnkey service that includes screening and recruiting strong candidates that fit your job requirements, interview scheduling, orientation, payroll, as well as management support throughout the internship. BEC is a nonprofit serving Oregon and SW Washington, connecting the classroom and workplace for the past 24 years. Contact Mark Read at the BEC: [mread@becpdx.org](mailto:mread@becpdx.org); 503.646.0242 x37.

**Sustainable Industries (SI).** The premier magazine for sustainable business news on the West Coast. The NEBC member discount for the Sustainable Industries is better than imagined – it's still a \$10 discount, but the new annual subscription rate is only \$39 that means that NEBC members can receive this new publication for only \$29/year! For more information look to: <http://www.sustainableindustries.com/>

**Environmental Expert.** NEBC has teamed with Environmental Expert, the world's largest online marketplace and information resource serving the environmental industry. At a reduced rate of just \$1,700, NEBC members can become Bronze Sponsors and get a year's worth of cost-effective exposure to a targeted audience of over 400,000 environmental professionals. Additional levels of sponsorship and optional advertising opportunities are also available. [www.environmental-expert.com](http://www.environmental-expert.com) For more information contact Paul Webster, [pwebster@environmental-expert.com](mailto:pwebster@environmental-expert.com)

## NEBC EVENTS CALENDAR

<b>September</b>			
17	Cascade Chapter: Summer Mixer	5:00pm – 7:30pm	Perkins Coie, Portland, OR
23	WA Energy Forum: \$15M For Alternative Fuel & Vehicle Projects	7:30am – 9:00am	Seattle Chamber of Commerce, Seattle, WA
24	Climate Change Conference	All Day	Doubletree Hotel, Lloyd Center, Portland, OR
30	OR Energy Forum Breakfast Mtg.	7:30am – 9:00am	URS Corp., Portland, OR
30	Rocky Mt. Chapter Reception & Presentation	5:00pm – 7:30pm	Great Northern Best Western, Helena, MT.
<b>October</b>			
7	Olympic Chapter Luncheon: Social Media & Your Business	11:30am – 1:00pm	McCormick & Schmick's Harborside, Seattle, WA
8	Cascade Chapter Luncheon: Portland Harbor Redevelopment Initiative – Harbor Redi	11:30am – 1:00pm	Governor Hotel, Portland, OR
13	Brownfields – Pre Conference Financing Workshop (only available w/Conference Registration)	12:00pm – 4:30pm	Hotel Murano, Tacoma, WA.
14	Brownfields Redevelopment Conference: Building Sustainable Communities	All Day	Greater Tacoma Convention & Trade Center, Tacoma, WA.
<b>November</b>			
4	Olympic Chapter Luncheon: Applying Sustainability Principals to Regulatory Decisions	11:30am – 1:00pm	McCormick & Schmick's Harborside, Seattle, WA
12	Cascade Chapter Luncheon: TBD	11:30am – 1:00pm	Governor Hotel, Portland, OR
<b>December</b>			
2	Olympic Chapter Luncheon: TBD	11:30am – 1:00pm	McCormick & Schmick's Harborside, Seattle, WA
Dec. 7 & 8	Northwest Environmental Conference & Trade Show	All Day	Red Lion Hotel, Jantzen Beach, Portland, OR
Dec. 9	Hazwopper Training	All Day	Red Lion Hotel, Jantzen Beach, Portland, OR

### Northwest Environmental Business Council

**Portland Office**  
620 SW 5<sup>th</sup> Ave., Suite 1008  
Portland, OR 97204  
Phone: 503-227-6361  
Fax: 503-227-1007

[www.nebc.org](http://www.nebc.org)

**800-985-6322**

Robert Grott  
[robert@nebc.org](mailto:robert@nebc.org)

**Seattle Office**  
1301 5th Ave. Suite 2500  
Seattle, WA 98101  
Phone: 206-389-8660  
Fax: 206 389-8651

Sue Moir  
[Sue@nebc.org](mailto:Sue@nebc.org)

Linda Sheeley  
[Linda@nebc.org](mailto:Linda@nebc.org)

Lauren Stolzman  
[Lauren@nebc.org](mailto:Lauren@nebc.org)

Karl Unterschuetz  
[Karl@nebc.org](mailto:Karl@nebc.org)