



We're excited to present nationally renowned experts and industry leaders. Join the Centers of Excellence for informative workshops, panels and an exciting trade show that will provide information on educating America's workforce for tomorrow's economy. Be sure to visit vendors (booths are upstairs) for a chance to win an iPad. Stay for the signature crab feed and scholarship auction; and return Friday to hear the gubernatorial candidate's views on energy in Washington state.

8:30 – 9 am Check-in – vendor booths open. Coffee & breakfast - upstairs

9 – 9:15 am Opening Ceremony: Veteran color guard & military trumpeter accompaniment

9:15 – 9:45 am Welcome Remarks: Centralia College Trustee Joe Dolezal; Barbara Hins-Turner, Executive Director, Pacific Northwest Center of Excellence for Clean Energy/A Centralia College Partnership; and Shana Pescheck, Director, Construction Center of Excellence at Renton Technical College

9:45 – 10:30 am Keynote: "Lighting the way to a smarter grid" Wanda Reder, VP of Power Systems Services, S&C Electric Company, Chicago, IL; and Global Architect for S&C's global service operations; Immediate Past President of IEEE Power & Energy Society (PES); Chair of IEEE Smart Grid Taskforce.

10:30 – 11 am Networking/coffee break

11 am – 12:15 pm First Panel: *The Challenges of Educating America's Workforce*

Grid modernization, green construction and energy efficiency measures are rapidly being developed and deployed within the energy and construction industries. In turn, these innovations are changing the skill sets and expertise required to construct, operate and maintain these technologies - often within aging infrastructures and legacy systems. The competition for recruiting and retaining the best of the skilled workforce is becoming increasingly challenging! These panel experts will offer insight to filling the education and training needs of these high-skill, high-wage careers.

Moderator: Arlene Abbott, M.Ed., Principal, Polar Star Consulting
 Kelly Kirkland, Education Services Manager, O'Brien & Company
 Jeff Johnson, President, Washington State Labor Council, AFL-CIO
 David Myers, Executive Secretary, Building and Construction Trades
 Dr. Robin Podmore, President, Incremental Systems; Vice President, New Initiatives/Outreach PES/IEEE
 Rep. Larry Seaquist, 26th Legislative District/chair, House Higher Education Committee; member, House Education Appropriations & Oversight and Ways & Means Committees

12:15 – 1:30 pm Lunch (buffet style): Sponsor/Vendor spotlight

1:30 – 2:45 pm Second Panel: *How Consumers will Drive the Workforce*

Consumer engagement and acceptance are key influencing factors in the widespread deployment of new technologies, energy conservation and "going green." How will consumers find answers and information and who will assist them? How will the new smart grid technologies, green building and energy efficiency affect consumer demands? Will workforce skills meet increasing consumer demands?

Moderator: Tony Usibelli, Director, State Energy Office, Washington Department of Commerce
 John Allen, President, Grid Protection Alliance
 Martha Rose, Owner, Martha Rose Construction
 Kevin Schneider, PhD, PE, Sr., Research Engineer Energy & Environment Directorate, Pacific Northwest National Laboratory
 Chris Stockner, Energy Efficiency Coordinator, Oregon Museum of Science & Industry/OMSI

2:45 – 3:15 pm Networking/coffee break

7th Annual Energy & Construction Best Practices Summit

JUNE 21: MAIN DAY CONTINUED

3:15 – 4:30 pm Breakout Sessions

1. **Build it Smart!** Designing and building a home or building should involve smart decisions to create an energy efficient and ecologically responsible project. Decisions should include ways for inhabitants to save money, save energy, stay healthy and live more comfortably while protecting resources for future generations.

Moderator: Erich Smith, Executive Director, Build It Smart; President, Seattle Vicinity Construction Safety Council
Randy Ambuehl, Training Director, NW Washington Electrical Industry Joint Apprenticeship & Training Committee
Herb Heinold, Construction Safety Consultant, Washington State Department of Labor & Industries
Mark Maher, Training Director Emeritus, Cement Masons & Plasters - Washington Apprenticeship Program

2. **Defining the Customer Service Representative in the Utility Industry** Utility customer service representatives (CSRs) represent the front line workforce, the key entry point for many utility careers, and the primary interface with utility customers. This session will preview DOE-funded research, launched to develop industry-driven CSR skill standards and understand the implications of Smart Grid implementation for CSR roles and future skill requirements. CSR managers, organization development and Smart Grid specialists will discuss the changing face of the CSR function within regional utilities.

Moderator: Alan Hardcastle, PhD, Sr. Research Associate, WSU Extension Energy Program
Delphene Armstrong, Utility Service Rep (USR II), Tacoma Public Utilities
Aundrea Jackson, CIS Project Manager, Puget Sound Energy
Rachel Proctor geBauer, Business Representative, IBEW Local 77
Diane Quincy, Director of Organizational Development & Training, Avista

4:30 – 5 pm Conference Adjourned

5 – 5:30 pm Networking

5:30 – 5:45 pm Student Success Stories

5:45 – 6 pm Industry Scholarship Support

6 – 8 pm Signature Crab Feed & Scholarship Auction

Emcees Dennis Skarr and Larry Kite



The 7th Annual Energy & Construction Best Practices Summit coordinated by the Pacific Northwest Center of Excellence for Clean Energy/ "A Centralia College Partnership" and the Construction Center of Excellence at Renton Technical College. All events are held at the Regional Education Training Center, Satsop Campus, Elma, Wash.

7th Annual Energy & Construction Best Practices Summit

JUNE 20: PRE-SUMMIT EDUCATORS INSTITUTE

A full day of workshops and activities provides resources to educators, trainers and industry partners. Curriculum experts will be on-hand to develop/enhance profile curriculum. Participants will learn:

- Industry derived skill profiles for energy management professions
- How to shape programs to support multiple entry level energy career paths
 - Participate in the Energy Educators Association

8:30 – 9 am Check-In & Breakfast

9 – 9:15 am Conference Welcome, Shana Pescheck, Director, Construction Center of Excellence, Renton Technical College

9:15 – 9:50 am National Science Foundation Grant Background/Energy Management Skills Profiles Presentation by Alison Pugh, Edmonds Community College & Mel Oyler, NSF Education Subcommittee Chair

9:50 – 10 am Break

10 – 11:30 am Workshop: *Developing Educational Pathways and Educational Lattices*

Workshop: Facilitated by NSF Grant Education Subcommittee

11:30 am – 12 pm Career Lattice Development/Afternoon Overview

Presentation by Mel Oyler, NSF Education Subcommittee Chair

12 – 12:30 pm Lunch

12:30 – 1 pm Vendor Presentations

1 – 3 pm Workshop: *Building Career Lattices*

Workshop: Facilitated by NSF Grant Education Subcommittee

3 – 3:15 pm Break

3:15 – 4:30 pm *Incorporating Hybrid and Online Learning into Energy Education*

Presentation by Alison Pugh, Edmonds Community College, & Collaborators

4:30 – 5 pm Closing & Next Steps



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JUNE 22: POST-SUMMIT SMART GRID MANUFACTURING ROUNDTABLE AND GUBERNATORIAL ENERGY & CONSTRUCTION FORUM

A short day with a regional effort to increase and implement smart grid manufacturing

- Meet the Smart Grid Manufacturing Regional Interface Taskforce
- Learn best practices of accelerating commercialization of new technologies
- Share input on how the region can leverage and assist smart grid manufacturing development projects

9 – 9:45 am Welcome & summit debrief, Steve Hanson, President of Renton Technical College and Barbara Hins-Turner, Executive Director, Pacific Northwest Center of Excellence for Clean Energy/A Centralia College Partnership and Shana Pescheck, Director, Construction Center of Excellence at Renton Technical College

9:45 – 10:15 am Keynote “Smart Grid Technology: Issues small manufacturers will face” Dave Sorensen, Executive Director, WestCAMP, Inc.

10:15 – 10:30 am Break

10:30 – 11:00 am Smart Grid Manufacturing Taskforce panel discussions

Topics for discussion: What challenges do small manufactures face regarding unique technical skills? What is critical to the success of start-up small manufactures? What specific technical acceleration and innovation programs have proved effective for the Department of Commerce Manufacturing Extension Program (DOC-MEP)? How can we best train and certify veterans? What was presented at the DOC- MEP National Conference concerning workforce?

Moderator: Dr. Robert “Bob” Topping, Director of Industry Partnerships, Chemeketa Community College
Bradley B. Bertoch, CEO SME Diagnostics; President, Wayne Brown Institute
Ryan Davis, Executive Director, Regional Education and Training Center
Roger Parish, President, Spectrum Consulting Group, LLC
Collin Sorensen, Senior Consultant, MEP
Dave Sorensen, PE, Executive Director, WestCAMP, Inc

11 -11:45 am Gubernatorial Energy & Construction Forum

Moderator: Commissioner Philip B. Jones, Washington Utilities & Transportation Commission

Former Representative Jay Inslee (D) and Todd Myers (Washington Policy Center), a representative for **Attorney General Rob McKenna (R)** will discuss their views regarding energy and construction issues in Washington state.

11:45 am Lunch



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