

COE for Energy Technology Advisory Board
Joint UETA Board Meeting Notes
November 19, 2008, 9am to noon
Centralia College ITV Broadcast
Agenda

Introductions of Centralia College and ITV sites

Pat McCarty, Chair

Introductions of sites:

1. Wilsonville, OR
2. Peninsula College, Port Angeles, WA
3. Shoreline Community College, Shoreline, WA
4. Avista, Spokane, WA
5. Wentachee Valley College, Wenatchee, WA
6. Clark College, Vancouver, WA

Director's Report- Barbara Hins-Turner

Center of Excellence Director's report

Advisory Board Meeting, November 19, 2008

]

Welcome to new sites!!!

Highlights of the past 6 months

- Special Thanks to all who made the Center of Excellence Annual Summit held June, 26/27, Satsop Development Park a smashing success.....
 - 170 people attended representing industry, labor, workforce, economic development and education.
 - Program included keynote Speaker, Randy Rawson, Executive Director, American Boiler Manufacturers Assc, Dr Alan Hardcastle, WSU Extension Energy Program, Dr John Gardner, WSU VP Economic Development and Richard Holman, Idaho National Lab.
 - IBEW Local 77 apprentices made the opening flag raising special as always
 - Hold the Date, June 25/26, Satsop
 - Planning Team Volunteers

The Department of Labor WIRED (Workforce Innovations Regional Economic Development) grant contract provided an economic development coordinator position.

- Jim Lowery former Director of Pacific County Economic Development was hired to focus on economic development as it relates to renewable energy in the Pacific Mountain five county region (Lewis, Thurston, Mason, Grays Harbor and Pacific).

Veterans Association Partners

- AAS Energy Technology Power Operation Program expanded fall '08/09 to include Peninsula College with ITV Broadcast of Energy Classes

WSU Extension Energy program partnership

- Labor Market Study Completed
- Green Jobs Study Underway, January completion date scheduled
- Renewable Energy and Energy Efficiency Study
- Puget Sound Energy contributed \$40,000 Combustion Turbine Skills Panel.
- Wind Power Skills Panel launched Nov 12 at Ellensburg PSE Wind Farm
 - Funding from WIRED budget and contribution from Energy Northwest
 - Industry, labor, WVC and Columbia Basin participated

Director's Involvement in Green Jobs Movement

- Presented at Department of Labor New Orleans Conference on Renewable Energy and Public Policy Trends – session filled to capacity
 - Uplugged, Trends in Renewable Energy
- Moderated WSU 11th Annual Fall Solar Summit workforce panel Thanks to Berta Lloyd, Shoreline, Pinky Dale South Seattle and Kairie Pierce, Washington State Labor Council for an informative interactive panel presentation
- Participated in UK Ocean Energy exchange in Seattle
- NEET (Northwest Energy Efficiency Taskforce) a Washington, Oregon, Montana and Idaho collaboration
 - Industry driven by BPA, PSE, Idaho Power, Pacificorp, Seattle City Light, Avista. And I think Tacoma power is on it also
 - CoE has been asked to coordinate college programs related to renewable energy program development and delivery.
 - Please let me know if you would like to be part of the college advisory board
 - Task Force will provide industry and labor advisory
 - More to come
- National Commission on Energy Policy Task Force
 - Convening early 2009

Bob Guenther, IBEW Local 77 noted- IBEW Local 46 is working with plugged with Shoreline College on solar program.

Barbara- NW Energy Efficiency Taskforce. The current advisory group is about plant and boiler operation and generation. It will be an entirely different advisory board with colleges and High school working on what energy efficiency looks like.

Skills Standards Status- Troy Nutter, PSE Training Mgr

Three current skill panels in process- Plant electrician skill standards, combustion turbine (gas fired), and wind technician. Troy explained we need to conduct skills panels to capture knowledge, skills and abilities as a foundation for program development. Once curriculum is established then it can be incorporated in K-12 to community college.

- Plant electrician is in final stages of validation of scans and technical surveys.
- CT subject matter experts will reconvene in January.
Process for finish project-
 - Occupation to look at- bring in industry labor and management-what do you view the job as- set parameters
 - Have national framework model-fill in the know-what works, what doesn't

- Ask the people actually doing the work- get the real knowledge. Subject knowledge professionals in a group form
- Put it in a framework and validate with surveys
- Later revalidating the skills standards completed 3-4 years ago

Bob question- skill standards for mechanic and electrician. TransAlta had an Apprenticeship program, can we do it nationwide? Also, he was part of developing it and would like to see it implemented.

Electricians- do they have state wide apprenticeship? Troy Nutter responded that there is one in place.

Anne Wetmore- apprenticeship specialist. Suggested sharing standards as a state wide guideline and model for key components. Oregon has energy experts come together to create minimum standards to see where to start for certain occupations. Not as detailed as skill standards but a start. Skill standards could be used as examples. Does industry want to do it?

Troy- IBEW NJATC program is national model. PSE has used power generation skill standards to create their apprenticeship programs.

Angela-question-Are colleges using the training or mostly in house training for apprenticeships?

Anne – answer- mostly through colleges because of partnership involved.

Troy- ask COE to use credit for prior learning with GPI Learning packets and formal learning

Dale Singer, Grand Coulee reported he hires at step 4 apprenticeship based on training through community college or military. This was negotiated in the bargaining union agreement.

Discussion on Military Credit and career paths that relate to energy.

WIRED Report- Jim Lowery, WIRED Energy Coordinator

Background- Economic development background for many years, Mayor of Shelton, County Commissioner and owner of 3 businesses.

- Started June 27, all WIRED coordinators are in place Construction, Manufacturing, Innovation and Energy. Coordinators working together to be sure they are unified in their goals when going to the Executive Leadership Council.
- Wind technician standards launched by WIRED funding.
- Met with 5 county economic development councils to see what they thought was needed for development in the region.
- New Market Skills Center energy AMPS program for K-12 is in progress, but not yet funded by WIRED.
- Regional Training Center- transportation an issue
- Five county area produces 10% of power in the state with many different sources.
- Next years work plan- 6 month budget (Jan-June, 2009)
- CTED funding of \$250,000 for Centralia College through Lewis County EDC for energy lab equipment.

Plant Operator Mechanic Program- Angela Mallow and Todd Arendt, Trans Alta Report
Todd

- Need for partnership with college to increase labor pool for retirements and etc. Skill panels are the foundation.
- Advisory committee member-provide tours and realized potential and diversity of students. Typically hire navy nuclear or other PPO outside people. Some limits with Navy nuclear.
- People are still retiring or leaving so CC is a great resource. 4 hired from CCollege.
- CC offers learning with fundamental knowledge.

Bob-Acknowledgment- it costs the company to create skill standards and putting their people in a class for 2 days.

Angela Mallow, Human Resources- Trans Alta

- Previously, were not getting qualified applicants. Now, with COE, getting them.
- Now want Associate Degree for Industrial Mechanic/ Power Plant mechanic.
- They have a qualified individual Dennis Mitchell to add his expertise.
- Question-Could there be a collaborative effort by other partners to develop this?

- College also works with current employees for skills upgrade training.
- Satsop allows hands on training lab, GPI offers theory training online through Center of Excellence branded website.

Bob- Must have joint apprenticeship programs. Encourage JATC (joint apprenticeship training council). Form a partnership with worker representatives and company representatives.

Barbara- suggested revalidating mechanics skill standards to create mechanics program-technical and scans (soft skills). Alan would like 30 mechanics for revalidation to ensure they are current.

Bob- mechanics at power plant AND millwrights would be a broader scope for better representative of skill standards.

Satsop Regional Training Center Update- Bill Olfert, WIRED Consultant
Initiative with WIRED

- Working with AD HOC subgroup to coordinate
- Overview- concept development the last 4 months
Fully operational June 2010
- Incorporated as subsidiary of Pacific Mountain Workforce Development Council (PMWDC) takes advantage of 501C3 and administrative infrastructure.
- Independently functioning subsidiary of the PMWDC with its own board of directors provides policy and direction for Regional Training Center.
- Training provided by affiliate- college, apprentice groups, labor, industry, New Market Skills Center and utilize existing resources from other sources.
- Concept has been approved by PMWDC Board.
- Next phase- develop strategic and business plan for Regional Training Center
- Proposal to ELC for funding and equipment for Region training center for training to start June 30 2009 fully functioning June 2010.

- Many training centers have been unsuccessful because grants have run out and no sustainability was in place beyond grant.
- New Market Skills Center has grant to develop student program through 5 county area and create branch campuses one being at Satsop development site, online delivery etc.
- Study conducted in 2006 on how to increase access to skill centers for kids in remote areas. 10 skills center, serve 5% of eligible high school students.

Joe Kinerk, Executive Director, New Market Skills Center

- New Market serves 10 school districts, 11-12 graders offering 16 choices in curriculum. Students spend half the day with Center
- Classes are transcribed to home school for credit and opportunities are provided for certifications, apprenticeship, etc.
- Work with community colleges for advance placement for the high school students in these programs.
- Currently- feasibility study mandated with legislation to determine how services can be delivered to remote areas such as White Pass, Morton, Mossyrock etc.
- Currently 15 students at Morton General Hospital earn high school credit and CNA certification.
- Started Energy program on campus to service 26 high schools.

UETA Updates- Mark Lewis, Chair

- Green frenzy- Renewable engineering- Bachelor program
- Need more readily available NERC training providers
- Suggestion was made by Troy Nutter to use GPI for training. Barbara- anyone who is a partner with The COE has access to branded website for training.

John McKee, Portland Community College

- Electronic Engineering tech. program just started; expect 40 students, in winter start.
- Creation of biodiesel using excess kitchen oil PCC
- Strawbale house powered by solar voltaic and heat by solar thermal
- Wind power- looking to get on campus, not much wind
- Architecture and interior design
- National Science Foundation Grant integrates green into energy and building construction

Pat Hatleli reported new UETA website is up and running and needs feedback from people. www.uetonline.org

Steve Maser, Willamette University Utility Management Certificate

- Thanks for UETA support, 4th cohort of program completed fall '08.
- 10 utilities, 29 supervisors, managers and directors in program.
- New discussions with other schools in USA to offer it in their area.
- Searching for someone new to manage program to bring different insight. Possibly someone who is a recently retired utility person interested in teaching and can communicate with students, teachers, and utilities.

Kirk Holt, Brighter Minds

- Train brains, close breakthroughs indemnifies mental barriers which block breaking through to full potential
- Trained 300 individuals, 93% success with broad range of skills.
- Offers 21 college credits

Community College Reports

Wenatchee, Riva Morgan

- 3rd class this fall 33 students completed with one year certificate program
- 3 students to continue to receive 2 year degree with Centralia College
- Participating in Wind skill panel

Peninsula, Bob Lawrence (absent), Jeff Reyes, Veterans Assc reported

- New program, fall '08
- Working on second year curriculum
- Partnerships with PUD- hands on training
- Partnership with Fort Warden- historic restoration
- Small business development for students

Centralia College, Rulon Crawford

- 41 students this year, including Wenatchee and Peninsula ITV Broadcast
- 15 students for second year through Centralia
- Track students – 60-70% of graduates placed in positions
- New Market skills program will help add to training possibilities
- Running start student from Centralia, 11th grader in program this year.

Grays Harbor, Mike Kelly and Fred Hennige

- It truly is about collaboration region, super regional work, partnership and opportunities
- Large number of Weyerhaeuser dislocated workers graduate this last spring and many took ITV classes between Centralia and Grays Harbor Colleges and finished their degrees.
- No enrollment this fall so need to find a way to better market that.
- Super regional, Gray Harbor college partnered with Bellingham Tech. College, Department of Labor pipeline advanced manufacturing grant for process controls
- Industrial process controls- look at needs and pieces and that they overlap with energy to ring this in addition to what WIRED has?
- Hybrid classes with online, virtual labs, hands on labs at Regional Education Center.
- Also, filling needs of employers for maintenance mechanics
- Energy panel created an equipment request through WIRED grant for industrial process control system program.
- Fred Henney- new hire instructor for Industrial process control program.
- Things in work-Advisory committee, energy panel, manufacturing panel

Shoreline, Berta Lloyd

- Solar energy tech program offered in spring '08; 5 week course on Friday and Saturday

- Offering solar thermal fall quarter; 140 students through training program
- Winter quarter adding Energy audit program commercial and residential; Spring-green building practices.
- Zero energy lab built by students.
- Submitting Department of Labor Community Based Job Training Grant application.

Wilsonville, Bob Topping, Chemeketa Community College

- Returned to NW after completing the development of mechanic program in rural Utah in collaboration with Pacific Corp. and regional training center in collaboration with seven coal fired power plants. IN two years trained 20,222 people with processing plant and created \$24,000 a day in revenue for sustainability
- Doctoral dissertation on learning environments
- Chemeketa is working on nuclear power and combining construction and transportation distributions and piping.

Daisy Santos, NW Natural Gas

- NWN is looking at green issues and getting active in green economy.

Ed Bowen, Veterans Affairs

- Peninsula veterans program launched
- Veterans need a lot of interaction.
- Are there mentors in the area that can work with them in the class room or possibly a shadow?
- Work with PUD and unions to create liaisons.

John McKee, Portland Community College

- One week workshop on overlap with built environment and energy at PCC being developed. Invited others to attend from schools.
- Will E-mail Barbara with dates.

Anne apprenticeship

- New apprenticeship rules posted on the website
- 1st change since 1970's. CFR2929 being changed; takes effect Dec. 29th.
- Move toward competency based as well as time based or hybrid of both.
- www.doleta.gov/oa

Adjournment

Attendance

Centralia College, Centralia, WA	
Mike Kelly	Grays Harbor College
Fred Hennige	Grays Harbor College
John Smith	Lab Volt
Stan Ratcliff	Satsop
Ed Williams	City of Centralia
Pat McCarty	Tacoma Power
Joe Kinerk	New Market Skills Center
Mark Wagar	New Market Skills Center
Randy Bachtell	New Market Skills Center
Angela Mallow	TransAlta
Troy Nutter	Puget Sound Energy
Dale Scheirbeck	Hampton Lumber
George Jacobs	Hampton Lumber
Barbara Hins-Turner	Centralia College
Cindy Mann	Centralia College
Debbie Breon	WSU Extension Energy
Jim Lowery	WIRED Coordinator
Carl Schlegel	River Ridge High School
Bill Olfert	CTE Services
Jamie Krause	Pacific Mountain WorkForce Council
Kairie Pierce	Washington State Labor Council
Bob Guenther	IBEW Local 77
Ed Bowen	Veterans Affairs
Clark College, Vancouver, WA	
Danette Randolph	Clark College
Rulon Crawford	Centralia College
Clackamas Community College, Wilsonville, OR	
Shelly Tracy	Clackamas Community College
Pat Hatleli	PGE
Mark Lewis	PGE
Kirk Holt	Brighter Minds
Steve Maser	Willamette University
Daisy Santos	Northwest Natural Gas
Bob Topping	Chemeketa Community College
Avista, Spokane, WA	
Mike Hanson	Avista
Carol Hicks	Avista
Wenatchee Valley College, Wenatchee, WA	
Riva Morgan	Wenatchee Valley College
Dale Singer	Grand Coulee
Shoreline Community College, Shoreline, WA	
Berta Lloyd	Shoreline Community College

Peninsula College	
Jeff Reyes	Veterans Corps
Bob Lawrence	Peninsula College