

COE FOR ENERGY TECHNOLOGY ADVISORY COMMITTEE

NOTES

September 21, 2007

Pacific Mountain Regional Training Center, Satsop Campus
9AM to 12PM - Flex Tech Building

COE Advisory Committee Members-Present

Industry

Todd Arendt, TransAlta
Stan Burt, TransAlta
Stan Ratcliff, GHPDA
Pat McCarty, (Chair) Tacoma Power
Tom Lindmark, PGE
Micah Goo, PSE
Arlene Abbott, Polar Star Consulting
Dale Singer, Grand Coulee Dam
Troy Nutter, PSE

Centralia College

Barbara Hins-Turner
Steve Miller
Cindy Mann
Rulon Crawford

College

Mike Campbell, COE for Homeland Security, Pierce College
James Malinowski, Clark College
Jarrod Sorber, Evergreen State College
Chuck Burnett, Los Angeles Skills Center
Alan Hardcastle, Washington State University Energy Program
Julia Cordero, COE for Construction, Renton Technical College
Mike Kelly, Grays Harbor College
Kate Clark, COE for Process/Control, Bellingham Technical College

Labor

Bill Messenger,
Washington State Labor Council
Kairie Pierce,
Washington State Labor Council

Workforce

John Loyle, Pacific Mountain Workforce Development Council
Jamie Krause, Workforce Training & Education Coordinating Board
Anne Wetmore, Department of Labor Apprenticeship

Guests

Joe Kinerk, New Market Skills Center
John Smith, Lab Volt Systems

Committee Notes

1. Pat McCarty, Chair, called the meeting to order. Member and guest introductions.
2. Barbara Hins-Turner, presented the Center of Excellence Director's Report
 - Welcomed new Center of Excellence Directors, Julia Cordero, COE for Construction, Renton Technical College and Kate Clark, COE for Process and Control Technology, Bellingham Technical College
 - COE, International Trade, Transportation, Logistics was awarded to Highline Community College Spring, 2007. There are now twelve Center of Excellence
 - Highlights of the Energy Summit June 21st and 22nd, 2007
 - 150 Attendees
 - Scholarship Drive resulted in \$1584.00
 - Feedback Surveys– Helps improve future conferences
 - Top Choice Renewable Panel – 50%
 - Second Choice Workforce Panel
 - Good comments on High School Connection and Center for Energy Workforce Development Branding Campaign
 - Summer Energy Technology plant tour class industry participants were thanked for their time and support of the class. Participants included BPA Olympia, Satsop Development Park, Tacoma Power, TransAlta, Seattle Steam, PGE Beaver and Port Westward and PSE Snoqualmie. Ryan Aignar was hired by Seattle Steam as a direct result of the class
 - Skills Panel Phase III funding was awarded by Workforce Training and Education Coordinating Board to develop Skill Standards for Power Plant Electricians, in the amount of \$25,000. WSU Energy program will be contracted for development support
 - Survey was distributed to provide COE with feedback
3. John Loyle, presented WIRED update (Workforce Innovations in Regional Economic Development) Grant-under the umbrella of the Pacific Mountain Workforce Development (PMWDC), the Department of Labor awarded PMWDC a 3 year WIRED grant in the amount of \$5,000,000. The grant focuses on the economic and workforce development of the PMWDC region (Lewis, Thurston, Mason, Grays Harbor and Pacific counties) and includes energy, construction and manufacturing industries, with energy serving as an anchor for the project. Included in the project is the development of the Pacific Mountain Regional Training Center, Satsop campus with \$1,000,000 allocated for lab equipment. The Pacific Mountain Alliance for Innovation (PMAI) has been created to manage the grant and PMAI intends to transform the region's talent pool and economies through industry-driven goals: 1) Create a flexible, technologically perceptive workforce, 2) Promote innovation and entrepreneurships, 3) Create an Enterprise Network to accelerate regional economic growth, and 4) Harness the synergy of the Pacific Mountain Alliance for Innovation to leverage resources and promote regional identity.

4. Stan Ratcliff, Satsop Development Park reported on Advisory Board tour of Satsop and debrief facilitated by Arlene Abbott on September 20, 2007. The board identified potential of existing equipment at Satsop campus for hands on skills training as well as additional lab equipment that could be purchased and how it could be utilized for training. Examples include setting up the Water Treatment (Demineralization) Building for control and instrumentation training and purchasing Programmable Logic Controller (PLS) equipment to enhance the current equipment. Pat McCarty suggested that equipment and training should align with Power Generation Skill Standards. Roundtable discussion on Advisory Board Tour: “Brainstorming session”
 - Set up systems and models, (wind or steam turbine, water treatment or process controls). Construction laborers could build models for energy training
 - Offer high-angle rescue training and confined space training
 - Satsop has all print reading documents on CAD and topographical maps that match the model
 - Provide NEC code training
 - High voltage switchyards: set up circuits; a place to build steel towers
 - Hydro simulations
 - Dormitory on site at Satsop
 - Market the training: create a video for marketing purposes
 - Solar possibilities
 - GHPDA is eligible for grants
 - Consider developing the Demineralization Building. Include conservation techniques: the benefits of insulation, lighting, motor design efficiencies, etc.
5. Alan Hardcastle, WSU Energy Program presented status of Energy Industry Labor Market Study. To date all data forms and interviews have been completed except Seattle City Light, Snohomish PUD and PacifiCorp, which are in process. Alan expects to have the report completed and ready for review by year-end. The report will focus on replacing retirees and new hiring. The process is to collect results and disseminate them to industry and labor. PSE, Tacoma Power, PGE, Avista, Chelan PUD, and Grant PUD have been completed, to determine where the gaps are then go back to industry to fill in the gaps. Edison Electric Institute is conducting a similar study at a national level. Steve Miller reported that the data collected by WSU for the Center for Energy Workforce Development (CEWD) has already been used by Centralia College and as a result, Centralia College was awarded \$175,000.00 in a high demand energy grant.
6. Dale Singer, Grand Coulee and Troy Nutter, PSE presented an update on industry use of the Center of Excellence General Physics (GPiLearn) branded website and training attended in Baltimore. GPiLearn web based training media provides over 2400 different lessons including wind, hydro, thermal, mechanical, air systems etc. and an Oracle based learning management system. Discussion included using GP as a platform for uploading power point presentations and other web based courses. PSE, Grand Coulee and second year Centralia College and Grays Harbor College programs are currently creating integrated learning’s of the GP courses.

7. Jamie Krause, Workforce Training and Education Coordinating Board presented information on the Workforce and Economic Development Leadership Conference “Sector Strategies: Building Washington’s Workforce, Industry by Industry” to be held on November 13-15, 2007 at the Tacoma Sheraton Hotel and Conference Center, Tacoma, Washington. For registration and other information, go to www.wtb.wa.gov

8. Round table discussion on community college programs:
 - James Malinowski, Clark College noted the Clark program has been renamed to The Power Utilities Technology Program, which offers a Power Utilities Technology Certificate of Proficiency (51 Credits). The program provides an introduction to the electric utility industry and the technologies used in that industry and prepares students to be strong candidates for utility and support industry apprenticeship positions. The program has been very successful in placing students with BPA’s apprentice program. The Clark program will be moving to a new campus in 2008.
 - Rulon Crawford, Centralia College provided update on Wenatchee Valley College and Grays Harbor College ITV courses broadcast from Centralia College. Student hires include placement at Grand Coulee, PSE, TransAlta, Seattle Steam and Bonneville Power Administration. Bonneville Power Administration hired 28 apprentices and Centralia College’s student was the only female hired in this group.

Adjournment