



**Center of Excellence for Clean Energy
Fall Advisory Board Meeting Minutes
September 22, 2017, 9:00 - 11:30 am
1217 Mellen St, Centralia**

Clean Energy Advisory Board Members:

Troy Nutter – Chair, Puget Sound Energy
Todd Currier - WSU Energy Program
Ben Feliz – Guest, Clark County PUD
Jeremy Gall - Avista Utilities
P.J. LeCompte - Bonneville Power Administration
Jim Lowery - Centralia College Trustee
Alice Massara - Tacoma Power
Glenn M. Pierce - Energy Northwest
Jackie Rae - Snohomish County PUD/IBEW 77
Bob Topping – Regional Education Training Center

Clean Energy Advisory Board Members not in Attendance:

Micah Goo - Centralia City Light
Bob Guenther - IBEW Local 77
Daniel Kay - Lewis County PUD
Travis Kinney - Lewis County PUD
Kairie Pierce - Washington State Labor Council
Matt Matayoshi - Lewis Economic Development Council
Sean Murphy - Pac. Mtn. Workforce Development Council
M.L. Norton - Centralia City Light
Jay Pickett – U.S. Army Corps of Engineers
Brian Young – Washington Department of Commerce

Educational guests:

Alan Hardcastle - WSU Social and Economic Sciences Research Center
Louise Petuzzella – Shoreline Community College Clean Energy Program

Additional guests:

Tom Diehl - Klein Educational Systems
Jennifer Taylor - PNCECE Consultant

Ex-Officio:

Barbara Hins-Turner - PNCECE

James Hovis - PNCECE

John Steidel - Centralia College

Anthony Valterra - PNCECE

9:00 - 9:10 am – Welcome, Introductions, Approval of Minutes – Troy Nutter, Chair

- Safety moment – Troy started the meeting with a warning that recent fires in the region dropped ash that can degrade rubber vehicle parts, especially windshield wipers.
- Introductions – Attendees introduced themselves including guest, Ben Feliz, Clark County PUD.

9:10 – 9:30 am - CoE Strategic Plan – Jennifer Taylor

- Communication Plan Project – Jennifer presented the final PNCECE Strategic Plan (<http://cleanenergyexcellence.org/wp-content/uploads/2017/07/COE-Strategic-Plan.pdf>). The plan was developed over the last year, with the guidance of members of the advisory board and partner colleges. Jennifer proposed creating a focus group additional meetings to develop specifics based on this strategic plan. P.J. LeCompte, Alice Massara, and Todd Currier volunteered to participate the focus group, with its first meeting scheduled for November 3, 2017.

9:30 - 10:00 am College Reports

- Shoreline Community College, Louise Petruzzella - NSF ATE Clean Energy Program Grant. Louise described the Clean Energy Technology program at Shoreline Community College. The Clean Energy Technology and Entrepreneurship program prepares graduates with the theoretical and practical knowledge necessary for careers in firms that manage, design, build, market or operate clean energy technologies in the built environment. The program focuses on clean energy technologies and practices that can achieve (or approach) “Net Zero Energy” in buildings.

The program was awarded a 3-year NSF ATE grant to: 1. Develop job descriptions in the clean energy industry; 2. Develop three courses revolving around improving old inefficient campus buildings; 3. Develop a student pipeline connection with local high schools with a solar workshop for local teachers.

Todd asked if the Shoreline Clean Energy Program has any relationship with the Bachelors Programs at South Seattle College. Louise said that there is an articulation

agreement in place with South Seattle College's Sustainable Building Science Technology Program.

- Centralia College, Migration to AmatroL – Tom Diehl, Klein Educational Systems
Barbara prefaced the presentation with an update on the learning management system at Centralia College Energy Technology Program. The program will be switching from GPiLearn to AmatroL.

Tom introduced Klein Education Systems, himself, and described the AmatroL LMS, which provides interactive online courses to help provide workforce training. AmatroL is used by community colleges, certification groups, and industrial companies. Tom presented the board with a demonstration of AmatroL courses and interactive simulations. AmatroL includes opportunities to include hands on learning with supported pieces of lab equipment. AmatroL can also include custom made educational courses, made specifically for customers. Tom offered to set up board members with demonstration accounts, so that the advisory board member utilities will have the opportunity to test the LMS themselves, the same opportunity offered with GPiLearn.

10:00- 10:20 am – Labor Market Study, Alan Hardcastle, WSU Social & Economic Sciences

Alan described the work that went into the 2008 DOL and 2013 DOE Workforce Challenges in the Electric Sector studies. The work was funded through a DOE workforce grant and included the support of industry, labor, education, and government entities. The studies have been very helpful and useful in understanding and predicting energy workforce needs.

Alan proposed a new study to build upon and update the past studies. Alan requested that the board support this effort. Barbara voiced here support for a new study and explained that these studies have formed the foundation for much of the PNCECE's work. Board members mentioned how they have utilized and benefited from the previous studies. Partners have used the report to develop job descriptions, support for workforce initiatives within their organization, and to justify hiring of new staff. Advisory board members described workforce challenges that they have experienced including gas line and power line construction, solar, wind, cyber security, leadership/management, and data scientist positions. Troy suggested that the next study include a consideration of what the projected workload for positions covered in the report.

The board took volunteers to form a small work group in order to work on this project. The starting work group will be comprised of Alice, Troy, and Alan.

10:20-10:40 am – Break

- Approval of minutes: Troy Nutter moved to approve Spring Advisory Board minutes, the motion carried and the minutes were approved.

10:40- 11:00 am – WISE Grant Update – Anthony Valterra

Anthony announced that he will be leaving his position as grant manager to move to St. Louis.

Anthony presented a brief summary of the Washington Integrated Sector Education (WISE) grant. WISE combines three Center of Excellence – Aerospace and Advanced Manufacturing, Clean Energy, and Construction and covers 8 colleges – Bates, Centralia, Everett, Green River, Renton, Shoreline, South, and Walla Walla.

The WISE grant is in quarter 12 of 16 and is beginning its 4th and final year, starting October 1, 2017. Anthony presented the grant data dashboard (<http://cleanenergyexcellence.org/projects/wise/wise-statistics/>), where grant outcomes can be viewed and sorted. The Grant is well above the required numbers for participants and completed, and will be close to the required employed number, using a more intuitive definition of employed. The grant is currently aligning budgets and shifting money to contracts to close out the grant. This includes a contract to make all grant materials available and usable via open source.

Barbara provided a brief outline for how the grant will proceed in Anthony's absence. Through the strong partnerships within the grant, Anthony's job duties will be reassigned and contracted out.

Anthony and the board discussed the sustainable pieces of the grant, including the navigation and navigator guidebook. The guidebook has generated significant interest across the country.

11:00-11:10 am – RETC East Solar Project Update – Bob Topping, RETC

Bob presented an update on the Horn Rapids Solar Storage Training Project outside Richland, WA. The project will test a new battery technology paired with a solar plant, as well as train workers to operate a small scale solar and energy storage facility. The project also has the goal of providing training opportunities for helicopter, drone, lineman, and other incumbent worker training. The current plan calls for the project to

be completed by December 2018. RETC East is working with IBEW local 77, Energy Northwest, BPA, and the PNCECE.

11:10-11:30 am - Director's Report and Careers in Energy Week, Barbara Hins-Turner

Barbara summarized PNCECE activities going forward. She described statewide efforts for careers in energy week, including those of partners at Tacoma Power, Avista, and WSLC. Barbara described the future of the Clean Energy Summit. The Summit will likely take on a fresh new look going forward. The advisory board formed a sub-committee, including Jeremy, Karie, and Alan, to advise on the design and subject of future Summits.

John Stiedel briefly described the motivation to switch from GPiLearn to Amatrol. He said that Amatrol offers students the ability to gain a deeper understanding of material. Amatrol will also allow for greater cooperation and alignment with other programs on campus.

Good of the Order

Jeremy announced that Avista will be adding a gas construction school in partnership with Spokane Community College.

Adjourn

Lunch