



**Shoreline Community College**

16101 Greenwood Avenue North  
Shoreline, WA 98133

## **Clean Energy Technology & Entrepreneurship Program Advisory Board Meeting Minutes**

**Friday, June 13, 2014**

**1:00 - 2:30 pm**

**Central Conference Room, 1000 Building**

**Attendees:** *Senator Maralyn Chase, Larry Owens, Martha Rose, Jack Newman, Susan Hoyne, Julie Wilcox, Jim Hills, Pam Burton, Keith Hughes, Dan Fey*

*Senator Chase:* Emergency management/earthquake preparedness is a big concern. Students should also be learning about battery back-up systems, 'outback' inverters. SCC should develop a course on emergency preparedness, self-sufficiency, battery storage, and off-grid applications.

*Larry Owens:* Electric vehicles will become more and more popular and a need for EV infrastructure is becoming clear.

*Susan Hoyne:* "Mentorship" relationships between private business owners and students may be an alternative to typical internship commitments. Students need to improve skills around communication, teamwork, applied math, reading comprehension, and critical thinking. 2-3 Clean Tech courses are being developed to be offered as hybrid or online.

*Martha Rose:* Students should understand the "home as a system". Ground source heat pumps are not appropriate for Seattle climate – rather than GSHP, super insulate structures. Martha cautions not to oversimplify the Clean Tech program. Martha is gearing up to teach Zero Energy Building Design by fall 2015. Martha is witnessing a labor shortage in skilled trades, i.e. electricians, plumbers, and carpenters.

*Jack Newman:* Students would benefit from learning about distributed energy resource systems, Smart Grid technology, and data monitoring. Seattle City Light could support project learning/Green-Up projects. Jack discussed the career pathway to becoming a Certified Energy Manager, the AEE seminar, + 2 internships.

*Julie Wilcox:* Puget Sound Solar seeking student intern for Google Sketch-Up design. Google Sketch-Up course is 5 credits (not 3) and is now taught as a hybrid.

*Jim Hills:* Jim should be alerted to photo opportunities when students are out on site conducting shading analysis, assessments, and participating in hands-on learning. Photos/video collected can be used for marketing materials.

*Pam Burton:* Students need labor-oriented skills; hands-on experience. Internships are a win-win for students and business owners. Puget Sound Solar taking on design interns from SCC. Solar installation knowledge/skills would be advantageous as a learning outcome for SCC students.

*Keith Hughes:* Suggested contacting the Solar Installers of Washington organization about statistical information concerning the solar industry in the Puget Sound area.

*Dan Fey:* The Clean Tech program needs information about what's happening in the renewable energy industry and collect input about growth. Private business owners should be surveyed regarding such.

- Louise Petruzzella was elected as Interim Chair until next advisory board meeting on December 5, 2014. A private business owner needs to be elected next meeting as Chair.