

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

**June 5, 2015**

**1:30-3:00PM**

**Board Room, Building 1000**

## **Present:**

### **Industry Representatives**

Chris Spurlock, ATS Automation

Senator Chase, 32<sup>nd</sup> legislative District, Shoreline

Tamas Bencsik, Coffman Engineers, Inc.

Carmen Cejudo, Ecotope, Inc.

Jack Newman, Seattle City Light

Krishnan Gowri, Autodesk

Sean Ong, EMI Consulting

Teresa Rodgers, Hines for Amazon Global Real Estate & Facilities

Ryan Bradt, NW Washington Electrical Industry JATC

Mara White, OutBack Power, Inc.

Reeves Clippard, A & R Solar

Steve Gerritson, Economic Development Council of Seattle & King County

Barbara-Hins Turner, Centralia College

### **Shoreline Community College Administrators and Faculty**

Louise Petruzzella, Director, Clean Energy Technology & Entrepreneurship Program

Julie Wilcox, Instructor, Science

David Redding, Instructor, Science

Susan Hoyne, Dean, Math & Sciences

Dan Fey Dean Workforce Education and Continuing Education

### **SCC Student Representatives**

Laura Humiston

Alisha Turpin

Nate Hogle

### **Guests:**

Sara Bowles

Ken Walz (virtual)

Ron Wilkinson

Myra Ferriols, Keithly Barber Associates

Robert Hayden, Shoreline Community College

# Curriculum Review “Flip Chart” Summary

*Compiled by: David Redding*

During the CET advisory board meeting June 5<sup>th</sup>, 2015 we had our committee members review curriculum.

The discussion was started with NRG 102 – by having members review the “calculation topics” from the class.

It should be noted that some of these comments do not refer only within NRG 102 – but instead are desired within the programs as a whole – not specifically to NRG 102. The comments below are divided as such.

## Comments NRG 102:

Comments best relating to a “calculations class”, i.e. NRG 102 were:

1. There was a question on a Physics pre-requisite for the class
2. Psychrometrics of Air was absent
3. Cooling Load Calculations were absent including:
  - a. Sensible Loads
  - b. Latent Loads
  - c. Solar Loads
4. Fan and pump laws – this was brought up after the forum in breakout

## Overall Program:

Comments best relating to the program as a whole were:

5. Integration and reference to Energy codes was desired – this includes:
  - a. Washington State Energy Code
  - b. Energy Code Forms
6. Integration and reference to ASHRAE standards was desired:
  - a. ASHRAE Handbooks
  - b. ASHRAE 90.1-2, 62.1-2, 55
7. There was a question if we provided Revit or Autocad training
8. There was a question on if we used 8760 hr energy modeling
9. There was a question if we did lifecycle costing
10. There was a suggestion that CET develop and offer a prep course for industry employees to take NABCEP Entry Exam
11. Outreach to Ballard High School suggested
12. Demand for building commissioning jobs
13. Residential and commercial building auditing is experiencing an uptick
14. Solar installers are all booked up and struggling to find enough installers