

Clean Energy Technology & Entrepreneurship Advisory Committee Meeting
Friday, March 8, 2024, 10:30am – 12:00pm

In Attendance:

Lindsey Virdeh – Shoreline instructor
Alisha Turpin – Puget Sound Solar and Shoreline instructor
Will MacArthur – A & R Solar
Gaurav Mehta – Sazan Group Inc.
Dalila Paredes – Shoreline Acting Executive Dean of STEM
Mario Rossi – Shoreline instructor
Benjamin Roldan – Clean Tech Alliance
Julie Wilcox – Puget Sound Solar
Monica Brummer – Pacific NW Center of Excellence for Clean Energy
Sam Dean – A & R Solar

Lindsey welcomed everybody, facilitated introductions, and received approval on 12/8/23 Minutes (with 6 out of 10 industry members present which achieved quorum for vote: 5 Yes votes, one abstention).

Enrollment is down but trending up and a few students are looking for work. Lindsey's "ask" was to please share out a flyer she is developing. She will be going to Kent and Arlington to do some recruiting; is waiting to hear back on a City of Seattle grant; preparing an NSF auto partnership grant submission for October; and put in an application for Shoreline to be a NABCEP provider. See PowerPoint slide deck for additional information including a slide on articulation. Gratitude was expressed by Lindsey and Dalila to Alisha Turpin for the hard work she has put in as a solar instructor and congratulations in her new position.

Lindsey and Alisha led out the conversation about ideas on NABCEP curriculum. An application has been submitted to be a NABCEP provider: to offer the curriculum training center and students register to take exam (or online proctor option); or computer lab here with time and day (or an offsite testing center).

Currently: We teach NRG 120 and NRG 220, which use SEI Curriculum courses PVOL101 (for NRG 120) and PVOL202 (for NRG 220).

Ask: Should we replace PVOL202 with PVOL203? The JTA for the NABCEP PV Associate aligns with PVOL101 and PVOL203.

Consensus was to replace NRG 220 with a different class that teaches SEI Curriculum course PVOL203, PV System Fundamentals (Battery-Based).

Results from the program prioritization task:

1. Investigate sponsorship for internships and jobs.
Comment: Lindsey said this came up a lot.
2. Testing site for NABCEP Certification.
Comments: as a testing site, an education provider and allows student to get certificate while at the college.
3. Updating existing articulation agreements and investigating others.
Comments: last meeting we said we should have more. Articulation agreements helpful (though 4-year colleges use a different title for articulation).
4. Creating stackable certificate in solar design and energy modeling.
5. SketchUp plus Helioscope Feedback on how to insert Helioscope into SketchUp. Comments: Aurora and Helioscope similar; combine with PV course; un-silo; capstone project with a panel to come in and view projects; have some Helioscope in both classes.
6. Grants: City of Seattle and NSF
7. Energy Code Classes.
Comment: Develop one class over summer.

Lindsey invited input on the committees' perception of industry needs and student learning. She mentioned that the discussion in the 12/8/23 meeting indicated that Shoreline needs to build on what it has and modify where necessary within the solar design pathway and energy modeling (not electrical). Comments included: residential slow but might change in next 6 months; commercial projected to grow; affirmation of apprenticeship pathway; pushing sales happening; anticipate trades retirements in next five years; anticipate need for more installers and NABCEP certifications; create pipeline and programs to be sustainable for pathways to jobs.

Dalila announced Shoreline now has a new app platform called "Handshake" and introduced Megan Tucker from the Career Center. Megan said Handshake is specifically for students in college; helps students develop skills to communicate with job sector; is more personal on student side; more one-on-one; and gives employer side opportunity to learn more about candidate and post jobs/events. She said overall the app is "promoting connections early and often for students". To post a job, create a Handshake account online through <https://joinhandshake.com/employers> and email Megan mtucker@shoreline.edu for her approval to begin getting opportunities to show up.

Lindsey thanked everybody for attending and providing input. She said she'd like feedback on the certificate drafts she sends out and needs somebody to Chair the committee. The next meeting will be the first and second Friday in June.

Adjournment: Approximately noon.