

**Clean Energy Technology & Entrepreneurship
Advisory Committee Meeting
Minutes Draft 11/1/19 for Louise Petruzzella**

Attendance: Tamas Bencsik – Coffman Engineers, Laura Jean Humiston – Hargis Engineers, Reeves Clippard – A & R Solar, Renee Gastineau – Paladino and Company, Brian Young – Governor’s Clean Energy Sector Lead, Louise Petruzzella – Shoreline Community College, Julia Raish, Sharon Vik, Lindsey Virdeh, Lauren Hadley – Shoreline Community College, Alisha Turpin – Artisan Electric

Welcome, Introductions, and Approve Minutes

There were only about seven people at the start of the meeting. Lauren said there was no quorum so the Minutes approval would be moved to the next meeting.

CET Program Updates

STEM Educator Solar Institute

Last summer 15 local high school teachers participated for three days of training at the STEM Educator Solar Institute with a potential impact to 2,035 students.

Solar Instructor Needed – Critical

NRG 220 - Advanced PV Design instructor needed for winter quarter.

New Faculty

Sharon Vik, Julia Raish, and Alisha Turpin

Enrollment

Across the country, enrollment is dropping. Lindsey Virdeh said her class went from 25 down to 18 and only 11-12 of the students are doing the work. Sharon said she started out with 11, is utilizing SEA (Shoreline Early Alert) but anticipates a student count of 6-7. Brian mentioned there is a clear need for workers; Lauren said some are getting hired without training; Louise added CET is the least expensive program at the college.

New Course Presentation – NRG 104

Sharon Vik: MCO/NRG104 grew from... bldg. sci section of market. At a survey level NRG 101 and 110... 104 data analysis and writing are the outcomes
LP comments – feedback and then teach in spring 2020.
Applying concepts – environment broader range of topics and integration as a studying tool.

Broad... with an integrative design team with multiple stakeholders.
Room for personal development as well in their career path.
“how does it impact building owner, etc.?”
Jurisdiction too... codes – not just one building.
What about cost opportunity / investment? (Krishnan covers again... life cycle cost analysis earlier in process)
Brian – is it 100 level? Yes.
Sharon survey course helps broader context at which they work... integrate into decision making including code and investor.
LP – NRG104 development was NSF funded and part of grant.
Sharon – team up in community – not as an internship
...Integrative... educating them how architecture, electrical, multiple disciplined people?
Integrative design process
Sharon likes her text book

Program Revision

Run dual list Auto/NRG – battery, fully online (Amber, 5 credits)
Solar applications
Much interest – VW buses/conversions, energy storage, “intro to battery fundamentals” NRG 103 and Automotive 103
Entrepreneur and elective changes
Eliminate beginning keyboarding
Word level 1
PowerPoint
Retain Marketing
Advertising
Will keep Accounting and one other class... updating Planning Guide
Guy... revisions and marketing class to right pool of people and C & M marketing
Offerings ... not extra classes... clear plan, skills, and get the job.
LP – they can still take Excel as an elective
LP - Business Tech on hiatus.
LP - we don't talk about pre-reqs for this program
Challenge of increasing funnel of students... need to come in with certain things
Core skills in other places to address attrition issue like an Excel

Wrap-Up, Next Meeting – February 2020, at Shoreline, Networking

Next meeting at Shoreline campus.

Adjournment