

## Clean Energy Committee Hearing

March 11, 2015

CEC Members Present: Nicholas Wooten, Paisley Gallagher, Jesse Honiker, Yesha Maggi, and Rhianna Hruska

### **-Thad Curtz from Carbon Thurston**

- Faculty Emeritus
- State-Wide Tax (Carbon Swap)
- cut sales tax by 1%
- provide tax rebate to some Washington families
- Carbon Thurston is collecting signatures
- hoping to have this on the ballot for the 2016 presidential election
- Carbon Thurston is looking for interns to help with their campaign
- email [curtzt@nuprometheus.com](mailto:curtzt@nuprometheus.com) for more information or to set up an internship

### **-First Presenter: Daron Williams**

- won the Evergreen Sustainability Fellowship (ESF), which fully covered sensors and field equipment
- looking for CEC funding to cover taxes on equipment not covered by ESF
- also wants an outdoor time lapse camera
- takes pictures every 10 minutes
- University of Washington at Pack Forest is the research site
- might make a MESA event
- is required through MES to have a thesis presentation and have a thesis placed into the library
- wants \$330 for camera, and camera is about \$100, wants \$170 to cover tax/shipping or any broken equipment, other costs that may unexpectedly come up
- zip ties, tape, about \$50 ish
- various versions of experiment, which requires different amounts of funding
- potential ideas posed by CEC:
  - demonstration table to teach students about the research and why it is important

Approved for \$500

### **-Second Presenter: Jeffrey Green**

1:58PM

- Stirling Engine project
- will build with supervision of a professor during Spring Quarter
- will build in the campus machine shop
- asking for \$500
- hoping for a scale of 30 Watts
- next design could be scaled up
- the engine could be used as a demonstration device by professors
- sketch of design prepared
- potential ideas posed by CEC:
  - suggestion of a blog post or concrete plan about where this is going to go
  - RAD Sustainability blog or Cooper Point Journal

- suggestion of a placard about what the Stirling Engine is capable of
- project needs clarifications:
  - will be left in the hands of the science support center or faculty
  - some sort of post will be written
  - placard needs to be printed and put in a display case
- Peter Robertson mentioned as a contact
- Approved for the \$500

**-Third Presenter: Greener Engineering Co-op 2:15PM**

- Aquaponics
  - data collection system
  - sensor on status of aquaponics system run by RAD
- dissolved oxygen sensor
- trying to prevent imbalance from happening
- will cost \$352.80
- pH sensor kit
- temperature sensor
- arduino costs
- brings involvement from multiple disciplines
- maintenance instructions for when founders leave the school
- Approved for Funding

**-Fourth Presenter: Ecovillage Roadtrip 2:41PM**

- Sophia, Nathan, Haley
- documentary film/web series about intentional communities
- spread awareness for alternative living solutions
- month on the road, all April
- rest of quarter spent editing
- ask: \$1500
- \$800 on gas, \$400 on food, and \$200 on camp fees
- film festival entrance fees
- looking for more camera equipment
- marketing and emergency equipment
- Thurston County Community Television
- Audio description to make it more accessible
- reaching out to schools (younger generations)
- Not Approved for Funding

**-Fifth Presenter: Greener Engineering Co-op 2:52PM**

- Prusa 3Vi 3D Printer with a filament extruder that is capable of recycling plastics such as PLA and ABS
- reduces cost of groups supply purchases: print tools instead of buying them
- can melt plastic water bottles
- educational workshops with the final products
- \$865.66 to build
- 3D printers in the Cal are for academic use only

- able to show how a separate 3D printer would work
- available for non-academic work
- ability to use the waste of mistakes
- 3D printing programs on campus
- potential ideas posed by CEC:
  - other S&A groups to have access to the 3D printer
- Approved for Funding

**-Sixth Presenter: Joe Martino** 3:07PM

- triple the capacity of the 302 solar panels
- making it something that is visible in housing
- expanding data collection capacity
- document what people may bring into the Mod
  - ex: rice cookers
- paint a picture of what solar can do in the NorthWest by starting in the Mods
- workshop around solar
- comprehensive packet
- seen attendance and interest rise
- South Sound needs to order the materials
- took about two days to install
- familiar with the process
- Funding Approved

**-Seventh Presenter: Emily Dunn-Wilder** 3:19PM

- Bring another Yes Men to campus
- hosting an event at Evergreen in April on a Wednesday from Noon-5PM
- local non-profits, student groups, food vendors, environmental film festival
- Les Purce will sign Real Food Commitment
- potential ideas posed by CEC:
  - survey people during the workshop
  - CEC can come and talk before the workshop
- may be approved for funding, needs the approval of a staff member first