**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