

# Student Sustainability Task Force

1/26/2016



Action Items	
Everyone	Think about where we can go for hiking trips Think of a catchy and cute T-shirt design a la “join the force” Look into making posters! Check out canvo
Dan	Get in touch with GRF leads
Kiani	Contact Jillian for Mural Get in touch with GRF Leads
Kay	Go to earthweek meeting & Take notes—upload to drive See if SSTF has advertising credits or not
Erica	Go to the Enviro Seminar Look into local T-shirt making place
Amelia	Make updated list for Enviro Education Center (with deadlines)
Asia	Go to Earthweek meeting & Take notes
Paige	Go to Earthweek meeting & Take notes

## Meeting time Tuesday 6-7 Phalanx room

Attendance

Upcoming Events [5 minutes]

- Speaking at Environmental Seminar – Miriam Katz (professor) 1-2 Wednesday, who is available to speak for 5 minutes? (Erica volunteered) In Jrowl 2c13
- Earth Week – April (planning meeting Wednesday at 1pm Sage 5711)
- MFA Design for Social Innovation – Feb 1st @ SVA Beatrice Theater in Harlem
  - Admission is free, [RSVP](#)
  - 6pm - Reception, 7 Discussion

Recent past events [skip]

Club Updates[skip]

- SEP
  - 2<sup>nd</sup> Environmental Career Fair (March 9<sup>th</sup> 10:30-3:30 2424 Biotech)

- If have contacts/want to help out get in touch with them [rpisepemail@gmail.com](mailto:rpisepemail@gmail.com)
  - Great for resume & awesome experience
  - [Next Meeting](#) Wednesday 8-9
- Sustainable Light Club
  - Meet Thursdays
- Terra Café
  - Next Lunch TBD
  - volunteer 2 hours for free lunch
    - Training 6:30 Tuesdays in Vasudha classroom
- Ecologic: Meets Tuesdays 6 in Nason
- Vasudha
- Green Greeks
  - Meets Thursday 7-8 (according to EMS) Phalanx Room
- ESW
- 
- EWB
  - Wed 6-7 for project mtgs
  - Every other Tuesday starting the 2<sup>nd</sup> for GBM
- Water Bottle Pre-Sale for Fundraising for Water Fountains
  - Contact Emily Farella ([farele@rpi.edu](mailto:farele@rpi.edu)) or Dan
  - Water bottles—currently selling them so they can fundraise
  - \$10 each; design below!
  - <https://www.4imprint.com/tag/114/Sport-Bottles/product/127496-B/h2go-trek-Aluminum-Bottle-28-oz-Black>

#### Activity [20 minutes]

- Francine Fredette asking for statements about Sustainable Solar Energy
- Spend 15 minutes developing these statement of 2-3 sentences

#### New Business [20 minutes]

- EarthWeek - Planning Meeting Wednesday at 1pm
  - If you can't attend, info can be found in the drive
- Eco-Secret Santa **for the spring??**

- Eco-Spa Day – A Friday evening in February
  - • Yoga session
  - • Face masks
  - • TEA FOR EVERYONE
  - • Cucumbers on our eyes
  -
- **SET A DAY FOR CLEANUP (set hours each weekend, advertise as service learning hours)**
  - **Make sure theres people there**

Environmental Space Discussion [skip]

- Clean-up Days (set hours on each weekend)
    - Priority for now is cleaning & cleaning supplies, Found sheet to track plants growth, Cardboard bookshelves
    - Start getting a list of supplies & projects for this & THIS semester
  - Mural
    - TIME FRAME GOAL IS TO OPEN DURING EARTHWEEK
      - Quotes about **taking action** (Dr. Seuss, other environmental quotes), Stuff about Troy, Super colorful, Make Buttermilk paint/acrylics for egg yolks
      - **Create list of materials needed**
  - Hiking Trips?? – **COLABORATION with outing club**
  - Get posters up!! ASAP
  - Outreach & members – try to go through RAs?
  - Try Commons lobby/hot chocolate giveaway
- GRF [10 minutes]
    - Projects
      - Water efficiency plan - Sherese
      - Sodexo - Erica
      - Solar Power Water Heater – Jeremy Moxey
        - help from Alumni Stu Besnoff
        - For ROI look in General info document
      - Potentially generate annual reports? – look at other schools
        - Try to get electricity usage on VCC (Steve Quinn)

- Create Timelines for the Semester
  - **WEP (lead Sherese) (Arie)**
    - [Action items on timeline](#)
    - Next Steps & Deadlines, People to contact, include what?
  - **Sodexo rated environmental highly (lead ERICA) (Amelia, Dan, Kiani)**
    - [PLAN AND NOTES HERE](#)
      - Someone Meet w Sodexo to ask about their commitments to “Better tomorrow”
        - Are they doing anything to meet the criteria listed on the site
        - How committed are they
      - “Better tomorrow” -[Ideas](#)
        - Feasible ideas
  - **Solar Water Heater (lead Jeremy)**
    - Renewable thermal energy
      - Has data for energy production for monthly stuff
    - Low budget
    - Cannot donate all equip, but can provide time and training
      - Can provide calculations
      - Instructions & student work would mean fewer contractors needed--cheaper
    - Domestic hot water vs heating system
      - Heating can be done, but domestic hot water is easier
        - Could also be used as a pre-heater
    - Facilities used year round would be ideal location for the solar hot water – especially if they’re not connected to main plant, and instead use electric water heat (could benefit most) (summer Arch)
      - 1<sup>st</sup> step is to find out where the hot water comes from in various buildings – ask EEs to help measure efficiency (?) ASK FACILITIES
      - Isn’t the only source of energy, supplements the traditional method. (but they can be idling in the meantime)

- Calculate & design system, then install the system: water storage tanks – ask Scott Kellog
- We can visit his place and see the showroom
- Roof mounted, or wall (tilt or vertical), or on the ground
  - 7.5 by 5.5 ft wide, 150 lbs (1 collector is good for ~4 people (domestic hot water))
    - \$950 per collector approx.
- What does he need to know:
  - Heat load information based on fuel
    - If one device used to heat a building – get the bills and see how much gas/electricity per month (try and get like 2 years worth) (easiest and accurate) to compare to solar heater data
    - To separate readings if all together, look at months when the place is not heated, then subtract out
  - Add Stu to our email list, and we can communicate with him directly
- Danger of snow buildup – may need structural analysis if using flat roof
- MOST LIKELY WILL REQUIRE PERMITS!!! & building inspector will probably need a structural analysis
  - Ask facilities plumbing guy about permits
- Income tax credits (but would not apply to RPI)
  - For any emails, CC Dan/Kiani so we're on the same page
  - **Proposal writing guide** under the old GRF info [HERE](#)
- Wrap Up: Summarize Next Steps [5 minutes]
  - Update project notes to Drive
  - Assign action items

