

# Student Sustainability Task Force

## Agenda 11/17/2015



### Meeting Notes

- Attendance
- Upcoming Events [5 minutes]
  - SSTF's Trip to the Sanctuary Saturday November 14, 2015
    - [Sign up here](#)
  - [Resist Toxic Fracking Think Tank](#) Wednesday November 18
    - Suggested Donation of \$5 for students
    - Where: Sanctuary for Independent Media
    - Session 1 1:00-2:30 Phenomena of Gasfield Refugees: Reports from the Battlefields West Virginia and Pennsylvania
    - **Session 2 2:30-4:00 Anti-Fracking Environmental Think Tank, Non-Violent Direct Action**
    - Session 3 4:00-5:00 Making Media Spectacle! Planning an Action with Yes Man! Mike Bonnano
    - Session 4 5:00-5:40 "Water Warriors" Art Reception
    - Community Potluck with Info Tables 5:30-6:30pm
    - Evening Screening 7:00 Anti-Fracking with Environmental Filmmakers Jon Bowermaster!
    - Bios a little later (under new business)
  - [SSTF & SEP Fall Festivities Friday 5-7pm](#)
    - Kiani's apartment Colvin 31
  - RA Natalie & RA Annie Hosts [Tote Life \[Make your own reusable tote\]](#)
    - RAPHs A 82 Albright Saturday 2-3:30
    - Bring old t-shirts, no sewing required snacks & decorations will be provided
  - [Vasudha Hosted Thanksgiving](#) – Sunday November 22 6pm Nason Classroom
    - Interested in helping out or **bringing a dish**: <http://goo.gl/forms/ucbKmmwl8U>
    - Bring your own utensils, cups & plates
    - Good Food (veggie, meat & vegan) & fun activities
    - All environmentally involved friends
    - Introducing Vasudha's NEW raised beds & sign them
    - They have aquaponics system now!
- Club Updates[5 minutes]
  - SEP
    - [Planning Environmental Career Fair!](#)
      - If have contacts/want to help out get in touch with them [rpisepemail@gmail.com](mailto:rpisepemail@gmail.com)

- Great for resume & awesome experience
    - Wednesdays at 9pm
  - Sustainable Light Club
    - Meet Thursdays
  - Terra Café
    - No Terra this week
    - volunteer 2 hours for free lunch
      - Training 6:30 Tuesdays in Vasudha classroom
  - Ecologic: Meets Tuesdays 6 in Nason
  - Vasudha
    - Thanksgiving Dinner (above)
  - **ESW: 2L Plastic Bottle Fundraiser Contact Rafael Boscan (boscar@rpi.edu)**
    - **Help them out and support them: collect two-liter bottles**
    - **Traveling to Mexico January 3<sup>rd</sup> to January 11<sup>th</sup>**
    - **Implement two solar water heaters (using bottles as materials)**
      - **Need 200 2L Plastic Bottles by end of semester**
    - **Help with outreach (posters?) & collecting**
      - **Starting ? Ending December 15**
  - **Water Bottle Pre-Sale for Fundraising for Water Fountains**
    - **Contact Emily Farella (farele@rpi.edu)**
- Environmental Space Discussion [15 minutes]
  - Eco-Space Committee
    - EWB and ESW don't want to be part of it
  - Wifi WeRGold (Natalie via Ecologic)
  - Clean-up Day With Natalie & Arie
    - Priority for now is cleaning & cleaning supplies
    - Workshop on December 2<sup>nd</sup>, cleaning on study days too (tentatively)
    - Found sheet to track plants growth
    - Cardboard bookshelves
  - Mural
    - Likely to be painted during study days (pick a date/time frame?)
      - Send out a whenisgood for finals week(Amelia) – sstf and 87 list
      - Ideas
        - Quotes about **taking action** (dr seuss, other environmental quotes)
        - Stuff about troy
        - Super colorful
        - Make Buttermilk paint/acrylics for egg yolks
      - Get into contact with Jillian (Kiani or Amelia)
- New Business [13 minutes]
  - Sustainability Column Articles in Poly (Erica)

- Add'l contacts/interested groups for poly articles
    - ESW article for bottle collection—see if they want to(?)
  - Eco-Mixer – Co-hosting with SEP Fall Festivities (tentatively) November 20<sup>th</sup> 5-7pm
    - Supplies should be all set [List of supplies](#)
  - Eco-Secret Santa **Organize this (Amelia)**
    - Send out forum within a week!
    - Hand-made, reusable, local materials
    - Backburner but create form & start organizing with environmentalist
  - Eco-Spa Day (totally a thing) –finals week?
    - Yoga session
    - Face masks
    - TEA FOR EVERYONE
    - Cucumbers on our eyes
  - Sanctuary think thank (10 minutes)
    - Bios of attendees
    - General Info about SSTF (contact Natalie for Ecologic & Jeremy & Joelle for SEP)
- GRF [45 minutes]
  - Projects
    - Water Conservation - Sherese
    - Sodexo - Erica
    - Solar Power Water Heater – Jeremy Moxey
      - help from Alumni Stu Besnoff
  - (20 minutes) Stu Besnoff – present Apline Solar Heat & Hot Water
    - Q&A
  - [ByLaws](#) (skip)
    - **The writing is mostly done**
    - **GET GRANTWRITING SUPERVISOR (Create List of Potential Helpers)**
      - Staff member (Kim? Brandon?)
      - Student member acting as point
      - Include them as “grant coordinator” in bylaws
    - Potentially generate annual reports? – look at other schools
      - Try to get electricity usage on VCC (Steve Quinn)
  - (If time talk about goals for each project)
    - Fill out [Dan’s Expected Timelines!](#)
    - **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 [8 minutes]
  - Update project notes to Drive
  - Assign action items