**Green Action Fund | General Committee Meeting | Minutes**

**Thursday, April 22, 2021 | 1:00-2:00pm**

**Attendees**: Ryan Maikell, Adam Paquette, Zano Rano, Natalie Rodriguez, Zachary Reese, Kimberly Reeves, Pru Crawmer, Hannah Mooney, Jeff Spicher, Kayla Mulkin

**Not in Attendance**: Lexi Musgrave, Teodora Luna

**Guests:** Callie Powers

Meeting Start Time: 1:05pm

* Welcome + Introductions
* Approve Meeting Minutes; **Adam Motion, Pru Second, Unanimous approval**
* Secretary Voting; **Zach Motion, Pru Second, Unanimous approval**
* Heller Center Outdoor Classroom; Rhonda Goodman-Gaghan, Matthew Barton, Minette Church
  + **Project Overview:** Funding to replace log poles due to base rotting and collapse; engineer approved metal poles will replace the rotting wood poles; importance of the poles is due to the need for shade sails
  + **Budget Breakdown**
    - **Materials:** $14,594
    - **Labor:** $5,230
    - **Marketing:** $300
    - **Other:** $1,570
    - **Total:** **$21,694**
  + **Timeline, 2021**
    - **Beginning of June:** Discussion with engineer
    - **Mid July:** Steel post fabrication
    - **End of August:** Post installation
    - **Mid October:** Marketing
  + **Student Involvement/Education & Outreach**
    - Students in Visual Arts and VAPA will play role in maintaining the space
    - Archaeology and Anthropology students can learn from construction techniques used
    - Students and faculty will use space as a classroom
    - Will be used for future theatrical performances
    - A sign will inform users of green building techniques
  + **Scope of Impact**
    - Expanding of outdoor classrooms useability
    - Advertisement of space to other departments for use
    - “Provide students with a sense of place, history, and creativity”
  + **Long Term Feasibility**
    - Shade sails will need to be replaced in the future
    - No long-term damage from concrete trucks and temporary roads, as concrete can be pumped to the site through hoses
    - Dedicated long-term, preventative maintenance
* Portable Raman Spectroscopy for Contamination Detection and Water Monitoring; Yaroslav Balytskyi, Kelly McNear
  + **Project Overview:** Currently using stationary Raman spectrometer; would like to purchase portable Raman spectrometers; using portable spectrometer with machine learning would improve pollution detection; using these tools, classes would create a database of relevant spectra; creation of a website with demos for students
  + **Budget Breakdown**
    - **Total:** **$7,200**
  + **Timeline**
    - Anticipation of a year-long project which will culminate with a senior design/capstone project
    - No set timeline
  + **Student Involvement/Education & Outreach**
    - Educating students on water pollution and how to detect it
    - Promote more sustainable behavior
    - Interdisciplinary project that includes multiple departments
    - Implementation of spectrometer into senior projects
  + **Long Term Feasibility**
    - Creation of Raman spectra database over time
    - Collaboration with other universities through this database
* KFL Solar; Kayla Mulkin
  + **Project Overview:** Additional funds to install solar panels on the Kramer Family Library; This would be UCCS’s largest solar installation; This would reduce the library’s electricity usage
  + **Budget**
    - **Sources of Funding**
      * **Office of Sustainability:** $50,000
      * **EBSCO Solar Grant (pending):** $100,000
      * **Green Action Fund (after receiving EBSCO grant): $50,000**
      * **Potential donors and other funding sources: $200,000**
      * **Total: $400,000**
  + **Timeline**
    - **April 2021:** GAF grant submission + award
    - **May 3rd, 2021:** EBSCO Solar Grant submission due
    - **Mid-June 2021:** EBSCO Solar Grant award announcement
    - **July 2021:** Start RFP process for photovoltaic system installation
    - **September-October 2021:** KFL roof completion
    - **Spring/Summer 2022:** Photovoltaic system installation completed
  + **Student Involvement/Education & Outreach**
    - Celebration event upon completion
      * Includes guided tours on roof, open to all faculty, staff, and students. Invitation to Physics, Energy Science, Electrical/Mechanical Engineering departments for class visits
    - Formal recognition and thank you to grant funding and donors
    - Educational display with books related to solar energy
    - Model of solar system in KFL
  + **Scope of Impact**
    - Reduce KFL electric utilities by about $50,000 annually
    - Largest solar installation at UCCS
    - Shows a continued commitment to renewable energy
    - Increased education and involvement
    - Addresses some environmental justice concerns by reducing our reliance on coal power plants and improving air quality

Action Items:

* Set aside one hour to vote on projects on the 29th, 1-2 p.m.

Meeting Adjourned: 2:17pm