**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