

SSC Step 1 Meeting
Saturday, October 20, 2018
Location: NSRC 240

Student Attendees:

Adrian Chendra, Sarah Gediman, Joseph Edwards, Gabriel Mishaan, Ece Gulkirpik, Johnny Uelmen, Julia Marsaglia, Prahallad Badami, Justin Vozzo, Emmanuel Fadahunsi

Staff/Faculty Attendees:

Yun Kyu Yi, BK Sharma, Julie Cidell, Cathy Liebowitz, Ximing Cai, Morgan White

Meeting Minutes

Topics for Discussion:

- Misc. Business
- Vote in VC-internal
- Step 1 Voting

1:04pm: Meeting start

- Volunteers needed to table at the Sustainability Celebration this Thursday 4-5pm in 314 Illini Union
- Sustainability Week starts tomorrow!
 - Abbott Power Plant Tour, Tues. 1-2pm (1117 S. Oak St)
 - Responsible Personal Investing, Fri. 2-3pm (Huff 209)
 - Sustainability Celebration Tour, Thur. 4-6pm (Illini Union 314)
- Bryan has stepped down and Julia has joined SSC
 - Vote in VC-internal
 - Unanimous “yes” to vote Julia to VC-internal

1:11pm: Current Funding Situation

- Total Requested: \$3,159,474
- Goal to spend: up to \$600,000

Projects (score):

- Let's Get Licensed -
- The Suicide Prevention Project (1.39)
- CDL Playground (1.69)
- FLB Water Conservation Project - Phase 1 (1.71)
- Change 360 (1.75)
 - they should check with city library sources of funding
- Red Oak Rain Garden Sidewalk (1.77)
 - maintenance not an issue with the rain garden
- Composting at UIUC (1.8)
 - cannot fund personal travel/course costs
- Vision for Zero UI (1.8)
 - end-goal of promoting biking and pedestrian use rather than vehicle use
 - case of social sustainability, rather than environmental sustainability

- Thursdays on the Farm (1.94)
 - this is for food, but it is open to the campus (so it is allowed)
 - could suggest the microgrant for this type of funding
- EV Concept Car (Student-led) (1.96)
 - willing to recruit any student, not just engineering-focused
- Eco Illini Supermileage (Student-led) (2.05)
 - have secured outside funds, and use their own funds
- Illini Solar Car (Student-led) (2.21)
 - they likely could not exist without the previous funding from SSC
- Illinois Space Society Hybrid Rocket (Student-led) (1.75)
 - 3 of the 4 have received funding in the past (Rocket has not)
 - how does this tie to sustainability on campus?
 - overall, the solar/concept cars have less funding this year; if we don't fund any of them, they won't go away, but they will have to "cut corners" to fund their projects
- 21st Century Lincoln Logs and Recycled Agricultural Structures (2.0)
 - applied in the past for funding, and they were rejected
- KAM Gallery Lighting Upgrades (2.0)
 - could consider funding maybe 2 or 3 galleries, not 10
 - might qualify for the revolving loan fund
- Bevier Cafe - Dish Room (2.02)
 - they've already gotten support from other places; this would be an improvement on that
 - they submitted a \$300,000 proposal last year for all kitchen appliances, this year they reduced it significantly
- A Case for New Case Paper (2.03)
 - most of the money they are requesting is in labor
- Engineering Hall VAV box upgrade to DDC controls (student-led) (2.0)
 - had significant energy savings
 - it is scalable, could fund partial, like one floor
 - might be something we consider for the revolving loan fund
- Media Commons Video Production Studio Lighting Replacement (2.05)
 - would save on temperature controlling gels (no longer needed) with these
 - students spend an average of 6 hours/day here, so these would get a lot of use
- Illini Light Savers (Student-led) (2.05)
 - not ready for funding immediately; requesting step 2 advancement
- Gable Home - Permanent Location (2.06)
 - this is currently on the energy farm, not that accessible
 - getting this into the core of campus is likely not feasible
 - in the past, these types of "homes" that didn't get permanent foundations have sort of rotted and been put in landfills
- Campus Hydro Redesigned for Parking Lot F4 (2.1)
 - this project will not happen without SSC funding

- parking won't pay for it because they've been told it's 3x as much to build; this would show that there are sustainable practices that can be cheaper
- this is a quote, they don't have the exact numbers yet
- potentially have parking agree to implement it if we fund this
- Green Stormwater Infrastructure (GSI) Master Plan (2.13)
 - the results of this would be included in the master plan, campus-wide
- FLB Green Lighting (2.11)
 - floor 1 was funded prior; this proposal was minimal; it would be nice to have other information regarding the success or status of the other funded project
- Recycle CEE (2.11)
 - funding is primarily for graduate students to set up a website
 - there are very few recycling bins in the building (1 per floor)
- South Farm Nitrate Monitoring Stations (2.25)
 - high likelihood that a larger grant will be funded in 2019; this would be a baseline prior to that implementation
- SSF Expansion (2.27)
 - substantial cost \$750,000 for this and next semester; suggest that they break this up into smaller amounts
 - the proposed space to move to (in the arboretum) is for turf (was for turf)
- Low Maintenance/Native Entrance Garden (2.33)
- Plastic-to-Fuel Initiative to Produce Fuels for Campus Use (2.36)
 - convert 95% of material; may be able to sell remaining 5% to paraffin companies
 - a pilot scale has already been conducted
 - presented to SSC last year, but not funded by us
- Pilot-Scale Implementation of E2E (2.7)
 - unknown about the efficiency in conversions
 - can convert 1 ton of food per day, 1 barrel per day
- Solar at ECEB Part 2 (2.38)
 - SSC previously funded to install solar panels; however, the angles were not accounted for in the installation; problem now regarding who will pay for the problem
 - they did give the remaining money back; when they were ready, they would apply at that time
 - this project would still continue in some capacity if we didn't fund it, but details not known
- CIF Geothermal (2.39)
 - saying no, would end this
- Zero Waste Quad Day (2.4)

1 Step Projects (4:36pm)

- Solar Lights at UGL Plaza (student-led) (1.86)
- Energy Shaft for Geothermal (student-led) (2.02)
- Davenport Carbon Garden (student-led) (2.11)
- Waste to 3D Production (Student-led) (2.19)
- Solar charging stations (student-led) (2.22)

- bus stops aren't campus property (but land it's on is); technically can't fund it
- going to need support from F&S and MTD if we want to fund it
- Rain harvesting at PCF (student-led) (2.5)
 - they have yet to receive approval (if we fund, and they don't get approval, then we get money back)
 - some risk in staff time involved if they don't get approval if we fund

Voting process (4:55pm)

- reminder: our goal is to spend ~\$600,000 this semester (~\$500,000 next semester)

Project	Working Group	Cost	Vote Decision	Results (for - against - abstain)	Notes
Campus Hydro Redesigned for Parking Lot F4	Transportation	\$100,000	Yes	6 - 4 - 1	
Illini Solar Car - 2nd Generation Vehicle	Transportation	\$20,000	Yes	8 - 2 - 1	
EV Concept Car	Transportation	\$20,000	Yes	8 - 3 - 0	
Eco Illini Supermileage	Transportation	\$9,945	Yes	6 - 5 - 0	
Vision Zero for UI	Transportation	\$28,800	No	4 - 7 - 0	
CDL Playground	Land & Water	\$100,000	No	1 - 10 - 0	
Red Oak Rain Garden Sidewalk	Land & Water	\$24,600	Yes	8 - 3 - 0	
Green Stormwater Infrastructure (GSI) Master Plan	Land & Water	\$150,000	Yes	5 - 5 - 1	Adrian voted Yes, moved tie-breaker to yes
South Farm Nitrate Monitoring Station	Land & Water	\$100,000	Yes	6 - 3 - 2	Joe has to abstain
Davenport Hall Carbon Garden	Land & Water	\$6,425	Yes	9 - 1 - 1	
Low Maintenance/Native Entrance Garden	Land & Water	\$20,000	No	4 - 5 - 2	
Rain Harvesting at Plant Care Facility	Land & Water	\$5,854	Yes	11 - 0 - 0	motioned to step 2 fall, no need for application; unanimous
FLB Water Conservation Project Phase I	Land & Water	\$20,000	No	1 - 9 - 1	
Zero Waste Quad Day	Food & Waste	\$15,000	Yes	7 - 3 - 1	
Pilot-Scale Implementation of E2E	Food & Waste	\$150,000	Yes	8 - 3 - 0	
Plastic-to-Fuel Initiative to Produce Fuels	Food & Waste	\$140,000	Yes	10 - 1 - 0	

for Campus Use					
SSF Expansion	Food & Waste	\$760,000	Yes	5 - 4 - 2	
A Case for a New Case Paper	Food & Waste	\$34,000	No	5 - 6 - 0	
Composting at UIUC	Food & Waste	\$2,000	No	1 - 9 - 1	
Recycle CEE	Food & Waste	\$25,000	No	3 - 6 - 2	
Waste to 3d Production	Food & Waste	\$8,250	Yes	10 - 1 - 0	motioned to move to fall step 2; required to fill out step 2 application
Energy Shaft for Geothermal	Energy	\$10,000	Yes	7 - 4 - 0	
Media Commons Video Production Studio Lighting Replacement	Energy	\$5,000	Yes	10 - 1 - 0	
FLB Green Lighting	Energy	\$30,000	No	4 - 7 - 0	
Solar at ECEB Part 2	Energy	\$200,000	No	2 - 7 - 1	
Bevier Café - Dish room	Energy	\$26,000	Yes	11 - 0 - 0	unanimous
KAM Gallery Lighting Upgrades	Energy	\$385,000	Yes	9 - 2 - 0	motioned to move this to a stratified (and prioritized) project to step 2
Illini Light Savers	Energy	\$10,000	Yes	8 - 2 - 1	
CIF Geothermal	Energy	\$375,000	Yes	6 - 5 - 0	
Solar Lights at the UGL Plaza	Energy	\$10,000	No	3 - 8 - 0	
Solar Charging Stations	Energy	\$10,000	No	0 - 11 - 0	unanimous
Engineering Hall VAV box upgrade to DDC controls	Energy	\$209,200	Yes	6 - 5 - 0	
Let's Get Licensed	Education	\$9,000	No	11 - 0 - 0	unanimous
The Suicide Prevention Project	Education	\$15,000	No	11 - 0 - 0	unanimous
Change 360	Education	\$36,400	No	2 - 8 - 1	
Gable Home - Permanent Location	Education	\$60,000	Yes	8 - 1 - 2	
Illinois Space Society Hybrid Rocket	Education	\$10,000	Yes	7 - 3 - 1	

Thursday's on The Farm	Education	\$1,000	Yes	10 - 1 - 0	motioned to move to microgrant
21st Century Lincoln Logs and Recycled Agricultural Structures	Education	\$18,000	No	1 - 9 - 1	