



Council Members Present (via Zoom):

Carlo Colella — Vice President & Chief Administrative Officer (Chair) Scott Lupin — Assoc. Director, Environmental Safety, Sustainability & Risk; Director, Office of Sustainability Maureen Kotlas — Executive Director, Environmental Safety, Sustainability & Risk Colleen Wright-Riva — Interim Assistant Vice President for Living & Learning, Student Affairs Eric Wachsman — Director, MD Energy Innovation Institute; Professor, Materials Science & Engineering Stephanie Lansing — Professor, Environmental Science & Technology Giovanni Baiocchi — Associate Professor, Geographical Sciences Jennifer Hadden — Associate Professor, Government & Politics Thomas McMullen — Assistant to the Provost, Academic Affairs Mark Addy — Executive Director, Systems and Networking Sabrina LaBold — Undergraduate Student Representative Marie Panday — Graduate Student Representative

Guests:

Allison Tjaden — Interim Associate Director & Assistant to the Director, Dining Services
Caitlin Lundquist — Engagement & Sustainability Coordinator, Dining Services
Guy Kilpatric — Terp Farm Manager, Dining Services
Larry Tumlin — Manager, Dining Services
Dillon Walton — Co-Chair Sustainability Fund Review Committee; USGA Sustainability Director

Meeting start time: 11:00am

Meeting Highlights

10-Years of Sustainable Dining – A. Tjaden, C. Lundquist

Representatives from Dining Services presented on sustainability progress over the past decade, including Sustainability Fund projects like Terp Farm, Anytime Dining, Ocean Friendly Campus, and others (Appendix A). Programs over the years have prioritized student leadership and engagement and future projects will continue to engage students, staff, and faculty in food-related sustainability discussions. Current programs include the Cool Food Pledge, the Maryland Local Farm Enterprise program, the Future of Sustainable Food grant, and Yahentamitsi, the first dining hall in nearly 40-years that is also carbon neutral.

Sustainability Fund Proposals – S. LaBold

Sabrina LaBold presented to the Council on the Sustainability Fund budget and proposals (Appendix B). The Sustainability Fund Review Committee has a current working budget of \$700,000 and recommends funding for six proposals:

- Sustainability Internship Scholarship:
 - This project requests funding for the first year of a three-year pilot to provide financial support to students engaged in sustainability internships. The program aims to reduce

economic barriers to entry in the sustainability field and appropriately pay students for work. The proposal is a partnership between USGA members, Career Center Staff, and the Office of Sustainability.

- The Council had extensive conversation on this proposal including implementation (fund allocation, advertising, selection committee, etc.), selection criteria, and other concerns.
- The Council unanimously approved this project proposal.
- Sustainability Conference:
 - This project requests funding for an in-person and virtual conference featuring UMD graduate and undergraduate research and progress. The conference is scheduled for Spring 2023 and is open to the public with estimated attendance of 150-300 individuals on campus and 800 attendees offline. The proposal was submitted by the USGA Sustainability Committee.
 - The Council had extensive conversation on this proposal, including a few logistical questions. Students agreed to compile information on lessons learned, to share recordings and information online, and to support students with printing posters among other comments.
 - The Council **unanimously approved** this project proposal.
- Educating & Empowering UMD Students on the Importance of Insect Biodiversity in Sustainability
 - This project requests funding to highlight recent insect abundance decline and the resulting effects on ecosystems. The project would install boxes throughout campus to provide information on insect biodiversity. The project received endorsement from the College of Agriculture and Natural Resources Student Council, the LAMP lab, the Wildlife Society, the Arboretum, and others.
 - The Council unanimously approved this project proposal.
- Community Learning Garden: ADA Accessible Raised Bed Renovation
 - This project requests funding to support replacement and improvement of ADA-Accessible facilities at the Community Learning Garden. Through specialized labor, the Community Learning Garden will replace six raised beds at the top of the terraced garden. The project includes letters of support from St. Mary's Garden, the College Park Scholars Program, and many others.
 - The Council **unanimously approved** this project proposal.
- STAMP Water Fountains:
 - This project requests funding to support the replacement of existing water fountains with water bottle refill stations. The Council discussed if this was a valid proposal or the minimum expectation of facilities renewal and replacement.
 - The Council **rejected** this project proposal.
- Planting Red Clover to Recruit Natural Enemies in the Fight Against Invading Pests in Cantaloupe Crops:
 - This project requests funding for a pilot to research interplanted living mulch to prevent the use of insecticides. The funding predominantly supports undergraduate interns. This is a request for the first year of funding, the second year of funding must also include how the project impacted students and implications for further application elsewhere on campus.
 - o The Council **unanimously approved** this project proposal.

Open Forum

Adjourn 1:00pm

Appendices:

Appendix A: 10-Years of Sustainable Dining Appendix B: Sustainability Fund Proposals

10 Years of Sustainable Food

2022 Sustainability Council

Allison Tjaden, Interim Associate Director







Guiding Commitments Measuring Progress Celebrating Stories

Partnering for the Goals

10-Years of Sustainable Food

Green Dining's Journey to Shift Food Culture at UMD

GREEN DINING AT UMD



Student Leadership

EBMO

sustainability fund

2014 Terp Farm Project





2016 Anytime Dining

ledge Que

2019 Ocean Friendly Campus





2020 Covid Support



UMD Firsts









Green Dining Projects



Cool Food Pledge Progress



CAMPUS FOOD SYSTEM

Dining Services is committed to incorporating sustainability into food service operations on campus. With the Cool Food Pledge, Dining Services aims to reduce food-related greenhouse gas emissions 25% by 2030. They also prioritize sustainable food purchases from local, certified fair-trade, humanely raised, and ecologically sound products, partnering with the State of Maryland Certified Farm Enterprise program. Continued participation in these initatives and others like the Menus of Change University Research Collaborative solidifies UMD Dining Services leadership in nutrition and sustainable dining.

PLEDGE

GREEN DINING PROGRAMS

COOL FOOD MENUS OF CHANGE UNIVERSITY RESEARCH COLLABORATIVE







Cool Food Meals

Program





Future of Sustainable Food Grant

Support for Total Vedge Out Earth Day Spring 2022

"The earth day vedge out menu, especially the Indian fusion during lunch, is the best this diner has ever had and I'm not even vegetarian. I would love for these dishes to be a regular thing!"

"I loved all the veggie based foods today! I think as a University we should have more days dedicated to educating everyone about sustainability and providing allveggie options in addition to Earth Day so that we can all do our part in lowering our carbon footprint!!"

"This vedge thing was THE BEST FOOD I'VE EVER HAD FROM ANY OF THE DINING HALLSIIII" VERSITY OF FEARLESSLY



Friday, April 22 • Lunch 11:00 am-5:00 pm Enjoy plant powered meals!

Future of Sustainable Food Grant

Support for Sourcing Domestic Kelp and Local Eggs Fall 2022









Yahentamitsi Dining Hall

"A place to go eat"











Land Acknowledgement

So, we acknowledge the truth that is often buried: We are on the ancestral lands of the Piscataway People, who are the ancestral stewards of this sacred land.

So, we acknowledge the truth that is often buried: We are on the ancestral lands of the Piscataway People, who are the ancestral stewards of this sacred land.





FEARLESSLY

MARTINO

30

Sustainability fund

GRANT RECOMMENDATIONS DECEMBER 2022



Sustainability Fund Budget for FY23



| Revenue | | Expenses | | |
|-----------------------------|--------------|--|--------------|--|
| FY23 Revenue* | \$500,586.88 | Sustainability Mini-Grants** | \$20,000 | |
| Available Fund Balance* | \$91,051 | Carbon Offsets for Carbon Neutral Undergrad Commuting** | \$65,000 | |
| FY23 Working Budget* | \$711,638.18 | Grants Issued to-date | \$0 | |
| FY23 Total requested so far | \$632,163.22 | Today's Grant Recommendations | \$132,585.32 | |
| FY23 Requests still pending | \$355,771.00 | Remaining Balance if recommendations are approved* | \$494,052.86 | |







- 1. Sustainability Internship Scholarship
- 1. Sustainability Conference
- 1. Educating and Empowering UMD Students on the importance of Insect Biodiversity in Sustainability
- 1. Community Learning Garden ADA-Accessible Raised Bed Renovation
- 1. STAMP Water Fountains
- 1. Planting Red Clover



Sustainability Internship Scholarship



Requested: \$50,00

SFRC recommendation: \$50,000

Summary: Establishes a scholarship to pay for low paying or unpaid undergraduate internships in the field of sustainability. This is the first proposal which is part of a 3 year project but they plan to reapply for this grant each year. There will be a committee comprised of SGA members, Career Center staff, and potential Office of Sustainability representatives who will review applications.

Submitted by: SGA & UMD Career Center







- First year of a three year pilot program: Academic Year 2022-2023 (Funds will be distributed summer 2023)
 - One-time scholarship award on student's UMD account that will lead to most likely automatic refund checks as long as students carry no debt with UMD
- Aim to reduce economic barriers to entry to the sustainability field, and pay students for their hard and valuable work
- Thorough program requirements include:
 - Showing internship applicability to sustainability; internship link to career goals; full/part time work hours (offer letter)
- A resolution from the SGA has been passed to support this proposal



Sustainability Internship Scholarship



| Туре | Notes | Cost | Туре | Notes | Cost |
|---|--|----------|---|---|----------|
| Proposed (Original) allocation of budget for scholarships | Full-time (30-40 hours per week): \$1,000 Part-time (10-29 hours per week): \$500 | \$50,000 | Updated allocation of budget for scholarships after SFRC initial deliberations | 449-560 total hours: \$1,000 337-448 total hours: \$800 225-336 total hours: \$600 113- 224 total hours: \$400 <=112 total hours: \$200 | \$50,000 |



Sustainability Conference



Requested: \$13,834

SFRC recommendation: \$13,834

Summary: Student-led conference that is meant to increase engagement and highlight "Sustainability for all." Hoping to create exposure to learn about sustainability in multiple fields/disciplines.

Submitted by: SGA Sustainability Committee







- Schedule indicates planning throughout the 2022-2023 Academic Year with conferences held in Spring 2023
- Will be conducted both in person and have a virtual option, with the virtual targeting communities across the nation.
 - Both will have panelists from professionals in multiple sustainable fields such as professors and government workers as well as student panelists
- In-person conference will feature UMD (grad and undergrad) research and student progress
- Letters of support from SGA, SustainableUMD Ambassadors, Engineering Without Borders, Sustainable Ocean Alliance, and more



Sustainability Conference



| Туре | Notes | Cost |
|-----------------------|---|-----------|
| Student Stipends | program will include 7 lead students who will each get a stipend in recognition of their work (\$350/student) | \$2,450 |
| Virtual Event Costs | Zoom events platform; Invited speakers | \$5,840 |
| In-Person Event Costs | Campus rental; Event activities; Technological expenses; Food | \$4,425 |
| Common Expenses | Advertisements; Raffles; Compostable Stickers | \$1,118.9 |
| Total | | \$13,834 |



SFRC recommendation: \$7,000

Summary: Overall purpose is to to educate the UMD community about the value of insects in sustainability. There are three main objectives: 1) campus display case of insects and educational materials to showcase biodiversity and ecological impacts, 2) incorporate paid and volunteer undergrads to create the project, 3) outreach to campus community through student organization involvement, iNaturalist, and social media.







Educating and Empowering UMD Students on the Importance of Insect Biodiversity in Sustainability



- Motivation of Proposal: research published in 2017 highlighting the recent insect abundance decline and its effects on terrestrial and freshwater ecosystems and sustainability
- All three objectives will be implemented within 2023 and has an expected lifespan until at least 2026
 - Continued maintenance will be managed by Lamp Lab and Department of Entomology
- Key locations for the boxes have been identified such as McKeldin, STEM Library, Campu Arboretum, Plant Sciences, the Greenhouse
 - Members from each space have agreed that these boxes would be an impactful addition to these spaces
- Wide range of endorsements: AGNR Student Council, Lamp Lab, MANNRS, The Wildlife Society, UMD Arboretum, Epsilon Eta, Entomology Student Organization, etc.



Educating and Empowering UMD Students on the Importance of Insect Biodiversity in Sustainability



| Туре | Notes | Cost |
|----------------------------|---|---------|
| 2 Undergraduate Assistants | Undergraduates will be tasked to make insect collection boxes (\$15 for 240 hours) | \$3,600 |
| Supplies | Insect boxes; Misc. collecting supplies; Display case mounting materials; Poster boards; Printing | \$3,000 |
| Car Rental | Travel to farm museums & for collecting (10 trips averaging 150 miles) | \$400 |
| Total | | \$7,000 |



Community Learning Garden ADAAccessible Raised Bed Renovation



Requested: \$32,351.32

SFRC recommendation: \$32,351.32

Summary: The CLG wants to replace 6 of their raised beds that are not suitable for continued use to keep the garden ADA-accessible and maintain their current crop donation yield.

Submitted by: Community Learning Garden Student Organization





Community Learning Garden ADAAccessible Raised Bed Renovation



- The raised beds are a teaching and experiential component for those who use mobility assistance devices
- The garden itself facilitates yearly educational experiences in 8 classes as well has significant volunteering from students
 - 2021 had a total 464 volunteer hours from students
- CLG donates 100% of produce harvested to the Campus Pantry to help reduce food insecurity
 - In 2021, 1,673.48 pounds of produce was harvested from the garden and donated. Of these 1,673.48 pounds, approximately 35% of the produce was grown in the raised beds.
 - This number will decrease if the CLG were to lose the raised beds
- The current funding the CLG receives is sufficient enough to sustain the work of the CLG as long as there are functional garden beds to grow in
- Letters of support from St. Mary's Garden, Terps4Change, UMD Campus Pantry, Branch Out, ETE College Park Scholars, JLT College Park Scholars



Community Learning Garden ADAAccessible Raised Bed Renovation



| Туре | Notes | Cost |
|--------------------------|--|-------------|
| Hometown Landscape* Work | Removal & disposal of existing planter boards; stockpiling existing soil; installation of composite**; additional soil | \$32,351.32 |
| Total | | \$32,351.32 |

* Hometown Landscape has/is currently working with UMD Facilities Management on projects such as this

**Composite is made of recycled plastic and is expected to last 25 years



STAMP Water Fountains



Requested: \$58,250

SFRC recommendation: \$15,000

Summary: Replacement of 10 water fountains that are out of order or deteriorating in Stamp. This would be a one-time cost to replace the fountains and they are expected to have a lifespan of about 15-20 years. The SFRC recommendation will cover the cost difference between replacing ten fountains with the standard less expensive option.

Submitted by: Stamp Student Union



STAMP Water Fountains



- The Elkay EZH2O® Bottle Filling Station delivers a clean quick water bottle fill and enhances sustainability by minimizing dependency on disposable plastic bottles
- Estimates that the installation and repairs will take about a week once they receive funding
- Proposal originally asked for 50% of the whole project's budget (\$116,650)
 - STAMP would fund the other half (58,250)
- Routine maintenance and equipment replacement
 - SFRC asked for clarification on what the difference between the standard water fountains and the new ones
- Stamp would continue and replace the units without outside funding
- There is staff already dedicated to maintain the cleanliness and the efficiency of the units



STAMP Water Fountains



| Туре | Notes | Cost |
|--------------------------------|--|----------|
| Water Fountain Replacement (½) | Materials; Labor; Plumbing; Removal and disposal of old fountains | \$58,250 |
| Total | | \$58,250 |

- Regular Dual Basin Water Fountain from the same manufacturer (ELKAY) is about \$5,000 per unit.
- The Water Filling Stations they are requesting are \$6,563.00 per unit
 10 units
- \$15,000 in price difference

Planting Red Clover to Recruit Natural Enemies in the Fight Against Invading Insect Pests in Cantaloupe Crops



Requested: \$28,800

SFRC recommendation: \$14,400

Summary: Research project to plant red clover as an "interplanted living mulch" in order to attract natural enemies of cantaloupe crop pests. This will prevent the use of insecticide. Requests for funding is solely for salaries of four undergraduate UMD interns. The project will be at the same location as Terp Farm.



Submitted by: Leo M. Kerner, Department of Entomology

Planting Red Clover to Recruit Natural Enemies in the Fight Against Invading Insect Pests in Cantaloupe Crops

- Project take place during 2023 & 2024 growing seasons with the interns helping out during the 2023 & 2024 summers
- Aims to report the most eco-friendly, effective, sustainable, and profitable pest management approach for growing cantaloupe
- Project success will be measured by the amount of reduction in insect pests, increase in cantaloupe yields, enhanced number of pollinators, and theoretical increases in farm profit
 - Will donate food grown to regional/local food banks and the Campus Food Pantry
- Opportunities for undergraduate student interns include data collection, protocol implementation, and education/outreach
- Matching funding of \$98,116 comes from the USDA as part of the Crop Protection and Pest Management granting program



| Туре | Notes | Cost |
|-------------------------|---|----------|
| 4 Undergraduate Interns | For Summer 2023 (\$15/per for 20 hours) | \$14,400 |
| Total | | \$14,400 |