

# SUSTAINABILITY @ BUCKNELL

## Update



*Student Experience: Boardroom Team Presentation– Sustainability Interns at the Vice President of Finance & Administrations Staff Meeting*

Spring 2022 Edition



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President's Sustainability Council Update



Student/Faculty Corner



Student-Staff Learning



Earth Day 2022



Working Group Updates



Interns Spring 2022 Accomplishments



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## DIRECTOR'S MESSAGE



**Victor Udo, Ph.D.**  
Director, Campus Sustainability

Bucknell continued to thrive in spring 2022 culminating in two Commencements for the Class of 2020 and the Class of 2022 on Saturday, May 21, and Sunday, May 22, respectively. This semester, we began to experience a semblance of a “COVID-19 informed” return to normal academic life. The President’s Sustainability Council (PSC) met in-person with effective participation of students, faculty and staff. Faculty and staff continue to encourage and provide students the opportunity to develop sustainability leadership skills throughout the semester.

Student internships in the Office of Campus Sustainability (OCS) and participation in the BSG Sustainability Committee activities intensified this semester. Other students engaged in various campus sustainability initiatives as demonstrated by the two examples in the Student Experience articles. Additionally, the student community organized and obtained approval to establish a sustainability professional fraternity on campus: Epsilon Eta. Another student began the process of coordinating Bucknell’s data update for the Association for the Advancement Sustainability in Higher Education (AASHE) rating.

The BSG Sustainability Committee took active part in the planning and celebration of the 2022 Earth Day celebration that started on April 11 and ended April 23. Faculty organized specific events for Earth Day, working with students and staff. President John Bravman formally announced the implementation of the Campus Path/Sustainability Trail project through the Vice President for Finance & Administration at the first virtual Sustainability Town Hall event on April 11. The Board of Trustees formally supported the inclusion of geothermal within the design of new student residence project that will replace the current Bucknell West complex (known as the “Mods”).

In this edition we share a summary of the deliberations and decisions of the April 8 President’s Sustainability Council (PSC) meeting. The PSC is the primary governance and leadership authority for Sustainability @ Bucknell. Two students share their experiences working on campus-wide sustainability projects. Professors Claire Campbell and Professor Paul Siewers share their perspectives on campus sustainability.

We close this edition by discussing students’ hands-on involvement in sustainability efforts. First, our cover story demonstrates how students at Bucknell are given the opportunity to experience leadership opportunities such as a boardroom-style presentation. We then summarize key activities of the Earth Day celebration. Finally, we provide a summary of specific accomplishments of the OCS interns during the semester, in their own words. We hope that readers will find this version of Sustainability @ Bucknell interesting and rewarding. Yay Bucknell!

Yay Sustainability!



# PRESIDENT'S SUSTAINABILITY COUNCIL UPDATE

The President's Sustainability Council (PSC), which helps to guide the efforts of Sustainability @ Bucknell, met on April 19, 2022. President Bravman kicked off the meeting with a statement of appreciation for the progress we have made together on campus sustainability since the last PSC meeting, held on Nov. 18, 2021. The group began by expressing their thanks to Kerin Goecke for her efforts on behalf of the PSC.

Progress by Office of Campus Sustainability (OCS), Bucknell Center for Sustainability and the Environment (BCSE) and the working groups were highlighted. The meeting, which focused on Carbon Neutrality and Ecological Conservation/Restoration (ECR) working groups, was very well attended by students, faculty, staff and administration. The outcome of the meeting is summarized below.

**OCS:** Student interns at the office were given the opportunity to present their work to the senior leadership team from the division of the Vice President of Finance & Administration (VPFA); which includes finance, facilities, auxiliary services and conference and events. The boardroom -style presentation was a rewarding experience for both the students and the VPFA team. The fall 2021 Sustainability @ Bucknell Report was released and well received internally and externally.

A two-week calendar of events was established to celebrate Earth Day 2022. The celebrations started with the Sustainability Town Hall on April 11 and ended with the BCSE organized Symposium April 22-23, including Bucknell Farm Festival, tree planting and staking, a living landscape outing, and several other student- and faculty-organized events.

**BCSE:** A grant for solar project research on campus under the Sustainable Technology Program (Dr. Milton Newberry) was received. The Place Studies Program (Dr. Shaunna Barnhart) is helping the City of Lewisburg in the development of a Climate Action Plan. Watershed Sciences & Engineering Program (Dr. Ben Hays) continues to create opportunities for students, faculty and staff to engage in interdisciplinary work including field stations and the Susquehanna River Symposium. Organizational changes are expected in the summer, including a new faculty director.

**Progress on Action Items from Last PSC Meeting:** Sustainability materials were forwarded to Vice President for Strategic Initiatives Robert Midkiff, and were included in the Strategic Plan update to the Board of Trustees. The tree planting objective was clarified – students planted '100 Trees in 100 Minutes' in fall 2021. The Bison Solar Farm (1.6MW) Project is over 85% completed (delayed by the delivery of a transformer and switch gears due to pandemic- related global supply chain issues). The project will also help with waste reduction and biodiversity/natural habitat objectives of the Strategic Plan.

The planning for Campus Path/Sustainability Trail construction and signage are in progress. Professor Paul Siewers and members of the ECR working group presented updates on the project. This project will help connect people to the environment as well as enhance wellness. Through the BSG Sustainability Committee, students are working on several waste reduction ideas and initiatives. Lastly, all four working groups met in spring 2022.





**Update from Carbon Neutrality Working Group (co-sponsors; Jeff Loss and Peter Jansson):** It was reported that the University continues to make progress on the 2010 Climate Action Plan including energy efficiency, renewable energy and integration of sustainability into education and operations. A blended/hybrid road map toward carbon neutrality by 2030 and decarbonization including campus electrification was presented and discussed. The group will continue to update the electrification studies in order to assess the cost-benefit of life-cycle investments to the existing infrastructure vs a staged conversation away from the cogeneration plant.

Professor Andrew Stuhl and Phoebe Blumberg '23 presented their work on carbon offsets, including the following recommendations:

1. That the University consider offering a yearly .25- or .5-credit course on carbon pricing/offsetting, staffed in part by
2. That the University convene a community conversation on carbon pricing/offsets; and
3. That carbon offsets be added to the list of fundraising ideas/initiatives that have been generated by the PSC working groups. The current list was advanced to administration in July 2021 for further review.





# STUDENT AND FACULTY CORNER



Natalie Moreno '22

Student experiences, academic and operations are the essence of Sustainability @ Bucknell through internal and external partnerships and stakeholder's engagement. This semester, the BSG Sustainability Committee began the process of creating a coalition of students to work on campus sustainability including the establishment of Epsilon Eta professional fraternity after consulting with several other universities, such as Princeton.

The OCS and BCSE jointly hired senior student **Natalie Moreno** to help coordinate data collection for the AASHE/STARS rating update. AASHE/STARS is the acronym for the Association for the Advancement of Sustainability in Higher Education/ Sustainability Tracking, Assessment and Rating System. AASHE/STARS is a transparent, self-reporting framework for colleges and universities to measure their sustainability performance.



With the AASHE/STARS report, meaningful sustainability performance comparisons over time and across institutions are enabled. A common set of measurements developed with broad participation from the international campus sustainability community is used to create incentives for continual campus sustainability improvements. AASHE administers this assessment every three years. Bucknell's latest update was in 2019. Thus, we are due to submit our data once again this year.

Natalia reached out to several faculty and staff members to collect 1,500 unique responses. Now that Natalie has graduated, the work continues as Bucknell seeks improvement on its AASHE/STARS rating. A silver rating was obtained in 2014, and a gold rating was obtained in 2019. This project is expected to be completed in summer 2022 with the hope of an improved percentage score for Bucknell.

In other areas, faculty continue to guide students to participate in several sustainability initiatives, including energy conservation, scope 3 carbon emission offset, tree planting, campus path/sustainability trail and several other activities. In this edition, we focus on two student experiences (Colton Jiorle and Thalia Mancini) in their own words. We also provide sustainability perspectives from two faculty members, Professor Campbell and Professor Siewers.

## Student Experience

In addition to the five interns at the OCS, students in other units of the University are engaging on sustainability initiatives. Below are examples of such students sustainability experiences from Colton Jiorle and Thalia Mancini.



Colton Jiorle '25

Sustainability has always been a field which fascinates me. On campus, I work for the Bucknell Center for Sustainability and the Environment and the Office of Campus Sustainability. In addition, I conduct research relating to renewable energy storage. Recently, I re-energized Renewable Energy Scholars and currently serve as its president.

I see my role as an opportunity to work with others to promote sustainability and environmentalism on campus. Although I'm an engineer, many of the worthwhile challenges to sustainability are interdisciplinary in nature and require collaboration across many different fields. Technological advancements can only go so far. In order for sustainability to become more pronounced, people need to be willing to readily adopt it.

It's an incredibly interesting challenge, and we even get to see it here on campus where we have much of the infrastructure needed to become more sustainable, but are just missing the momentum. I really enjoy finding creative ways to engage with sustainability and can't wait to see what may happen in the future here on campus.



Thalia Mancini '25

My name is Thalia Mancini. I am a Community Engagement Scholar at Bucknell University and I work in the Civic Engagement Office on sustainability issues. I am currently working with the Office of Campus Sustainability and external stakeholders to research corporations' interests in carbon offsets derived from potential bamboo and other crop forests in Africa.

During the spring semester, worked with Smart Energy Decisions and others to create a survey questions that was administered to over 50 corporations in the Smart Energy Decisions community. We will collate the responses to assess the quantity of carbon offset each organization is interested in purchasing. Actively involving myself in the efforts to reach Bucknell's carbon-neutrality goal by 2030 has motivated me to act sustainably and be more observant of my carbon footprint.

With my interest in biology, this forestry-based project is helping me to understand the practical steps and process of nature-based solutions for decarbonization. Bucknell is making great strides to become a more sustainable community. I am happy to be a part of it and excited to see the sustainable future.



## Faculty Perspective



**Claire Campbell**  
Professor, Department of History  
Affiliated Faculty in Environmental Studies & Sciences

I'm an environmental historian, which means studying how people have thought about, used, and altered nature in the past.



Figure 1 Melish-Whiteside Map of Union County (1817), detail, Pennsylvania State Archives.

Bucknell has a grove of historic trees, buried streams and ... acres of parking. We do have amazing capacity to (re)build a healthy and thriving environment, but we need to really animate that. We need to make much more dramatic strides now, to meet our stated commitments for reducing our use of fossil fuels — to make environmental issues a fundamental part of our curriculum — and to consider critically the ethos of growth.



Figure 2 Detail of 7th Street and Moore Avenue, Fairchild Aerial Surveys (1920). Note the streambed under what would become the ELC, and cars lined up along Miller Run, where we've been parking for a century.

I've worked with all the usual suspects on campus — the BCSE, the President's Sustainability Council, the Environmental Humanities Working Group — but I've found that the best thing I can do is teach. That means in my classes, sure — classes on environmental history, near and far, from our local waterways to the north Atlantic.

But it's been rewarding to connect outward, working with the Merrill Linn Conservancy in the [Living Landscapes](#) project, and with the Children's Museum for [Nature's Explorers](#) at Dale's Ridge; leading historic walks in Milton with Fern Hill School; and participating in the Humanities Center's annual [Summer Institute](#). I'm really passionate about showing how history is essential to understanding and responding to our current environmental challenges.



Figure 3 Nature's Explorers in May 2021 learning to fly.

(continued on page 9)



## Faculty Perspective cont.

Bucknell could reimagine its campus as a place for us to contribute to a healthy environment, for people and nature, in academic study and in daily life. I'd love to see the University plan for outdoor classrooms, safe pathways, and more green/blue corridors — making the natural world absolutely central to how we live and move and have our being. We have the potential to make wonderful spaces for us and the wider community we live in.

The campus of Bucknell is, we may say, a park for the people of Lewisburg. They may walk about the paths of the "Hill" and enjoy the natural scenic beauty whenever they desire. Local ball teams play on the Bucknell diamond, and children romp unrestricted on the shady lawns.

Figure 4 From an editorial titled "What Bucknell Does For Us," in the *Lewisburg Journal* (1925).



**Paul Siewers**  
Associate Professor of English

Sustainability and ecological restoration in my life have always included a strong component of storytelling and poetry. I recognize how landscape is also a kind of embodied narrative and song interweaving the human and the natural world. Even physical restoration is related to a kind of storytelling and poetics in action and discipline. My passion for sustainability began with involvement as a child at the time of the first Earth Day.

I was a journalist in Chicago specializing in prairie and savannah restoration and creation of river greenways and paths. My writing about these topics were for Openlands, the Illinois Nature Conservancy, and local and national media, and included work on the first national heritage corridor as a preservation and restoration project. Later as an academic, my work took me to Estonia to learn of sustainability efforts in the fields of biosemiotics and eco-semiotics.

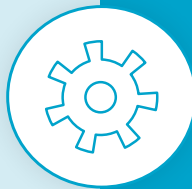
At Bucknell, I helped to start the Environmental Humanities Initiative, now Place Studies. We contributed to efforts to help extend the Capt. John Smith Chesapeake Bay National Trail along the West Branch of the Susquehanna alongside campus. More recently, I have helped to convene a Bucknell Native American working group and to establish the student Sid Jamieson Fellowship (in honor of Chief Jamieson, a leading Native member of Bucknell's community and a mentor to me — for work on highlighting indigenous narratives, including the "Seventh Generation" ethos of the Haudenosaunee people, related to the Campus Path).

I also am honored to be a member of the President's Sustainability Council (PSC) working group under Dr. Victor Udo's transformative leadership and vision. As a member of the PSC, I am a faculty co-sponsor of the Ecological Conservation and Restoration working group. I teach humanities courses with a sustainability focus and mentor student projects of the Stories of the Susquehanna Valley effort in collaboration with WVIA Radio/TV. I also seek in a small way to contribute to trans-cultural spiritual understanding of sustainability, as a clergy and an adviser serving Bucknell's Eastern Orthodox Christian community. Truly, sustainability includes ongoing struggle of humility for a deeper way of life with roundedness and balance, in unity of action with others on the earth.

And as most people know, I'd like a path — the Campus Path/Sustainability Trail.



Figure 5 December 2018. The unofficial path, or, why this matters.



# STUDENT-STAFF LEARNING

A key aspect of leadership especially sustainability leadership is communications. OCS interns are trained to provide sustainability leadership while on campus and upon graduation. Students are encouraged to learn the art of making team boardroom presentation as well as being able to have “elevator pitch” conversations to sell their ideas and activities at all levels of any organization upon graduation. On March 8, Eileen Petula, Vice President for Finance & Administration, gave the student interns opportunity to have a boardroom experience by presenting their work to her team which include engineers and financial professionals. Below are some of Eileen’s observations as well those of her team member, Dana Mims, Executive Director, Events Management.



**Eileen Petula**  
Vice President for Finance  
& Administration



“When I walked into the room to attend the presentation I was immediately impressed by how prepared the group was — the layout of the room, the presentation ready to go, everyone was polished and professional. Most striking to me was the genuine excitement displayed by the team; this was not an assignment, this was a demonstration of their passion and commitment. That feeling was strong and lasted for the entire hour and beyond. I was also very impressed by the seamless transitions between sections; the group had obviously practiced.

It was likely my favorite hour that I spent at Bucknell this semester; I left the meeting feeling inspired. One of the biggest takeaways for me was in the area of the behavioral survey and how that could be part of a broader effort to make improvements to housing related sustainability and social stewardship. The presentation laid out a lot of practical ideas that could be easily adopted by students. The idea was framed in a friendly manner. While ‘check-list ideas’ were presented, they were part of a broader educational and relationship lens that emphasized enhancing the student experience, bonding as a group, and overall had a very positive and appealing message.

Another section that I found appealing was the OMG Divisional Champions — you’ll notice that I didn’t include the word “accountability.” I would suggest that this initiative be reframed to follow more closely to the student housing initiative — less ‘accountability, monitoring and tracking’ and more educational, practical tips and suggestions and bonding exercises and conversations to motivate and engage the campus community.

It’s important to remember that departments rarely ‘pick their space,’ so some of the spaces that perhaps use more utilities / aren’t as sustainable can’t be easily ‘fixed’ by the occupants of those spaces. The initiative could be used to generate improvement ideas from the occupants as they know the spaces best and to promote teamwork and practical steps that can easily be adopted.”



**Dana Mims**  
Executive Director  
Events Management

“I felt that the presentation was very professional and organized. The content was very relevant to recent University conversations around sustainability. It was incredibly well-prepared and the team did a great job of organizing the flow of the presentation and order of subject matter. We have certainly made some progress. This presentation was a huge step in the right direction, but we still have a lot of work to do!

I can very clearly see a lot of these initiatives being implemented within our campus. I think students, staff, and faculty would all be interested in getting involved. It’s important to break down the opportunities so that everyone can understand not only the work, but also the impact of the work. And give people a number of ways that they can support so that they have options.”



# EARTH DAY 2022 CELEBRATION

This year's Earth Day celebration at Bucknell was a two-week calendar of events coordinated by OCS in collaboration with students, faculty and staff. The celebrations started with the Sustainability Town Hall on April 11 and ended with the BCSE organized Symposium April 22-23. Other key events included Bucknell Farm Festival as well as targeted tree planting and staking. Through the BSG Sustainability Committee, students conducted events such as the climate commitment workshop facilitated by Professor Mick Smyer and scope 3 carbon emission engagement lunch supervised by Professor Andrew Stuhl. A detailed list of the major events of Earth Day 2022 Celebration is summarized in the graphical calendar.

## **Sustainability Townhall:**

Moderated by Director of Sustainability Dr. Victor Udo, this first sustainability townhall event was virtual. It also featured Associate Vice President of Facilities Jeff Loss. Students, faculty and staff participated in the event and asked very pertinent campus sustainability questions. In addition to the opening remarks, on behalf of President Bravman, Vice President for Finance & Administration Eileen Petula formally announced the plans for the establishment of the Campus Path/Sustainability Trail.

Townhall participants were reminded that as with other institutions, campus sustainability at Bucknell is a journey including Climate Action Plan of 2010 and "We are Still in It Commitment." Campus sustainability is guided by Bucknell's Strategic Plan, which called for Carbon Neutrality by 2030; waste minimization and biodiversity/natural habitat. They were also informed that a simultaneous planning and implementation approach with four working groups (Carbon Neutrality, Pathway to Zero Waste, Ecological Conservation/Restoration and Socially Responsible Investing) was adopted in the development of the draft 10-year broad-based environmental sustainability plan required by the Strategic Plan.

## **Sustainability Symposium:**

This year's Annual Sustainability Symposium at Bucknell University was the 9th. It was an in-person event from April 22-23, 2022, consistent with Bucknell University's COVID-19 guidelines. The theme was "Is it really too late?: Hope, Agency, and Change". The symposium provided students, faculty, staff and community stakeholders a forum to share research, teaching, creative works and collaborations. It generated discourse on the role of radical hope and sustainable change through the lens of environmental justice.

Invited presenters included researchers, artists and practitioners who shared their work and experience through posters, oral presentations, demonstrations and displays of creative works. Abstracts were peer reviewed and the proceedings will be published through the Bucknell Digital Commons. Opening remarks at the event was given by Professor Ghislaine McDayter, Associate Provost for Research and Creative Inquiry. The keynote address was provided SACHEM Hawkstorm, Hereditary Chief of Schaghticoke People. He is an advocate for rights of Indigenous peoples focused on issues surrounding cultural heritage, education and tribal sovereignty.



Professor Ghislaine McDayter delivered opening remarks.



Chief SACHEM Hawkstorm was the keynote speaker.

# SUSTAINABILITY @ BUCKNELL

CELEBRATING EARTH DAY 2022

Calendar of Events\*

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
First Week of Events	10	11	12	13	14	15	16
	<p><b>SUSTAINABILITY</b></p> <ul style="list-style-type: none"> <li>ENVIRONMENTAL</li> <li>SOCIAL</li> <li>TECHNOLOGICAL</li> <li>GOVERNANCE AND ASSETS MANAGEMENT</li> </ul>	<p>8:45 AM Earth Day 22 Celebrations Kick-off with Campus Sustainability Town Hall Webinar</p> 	<p>11 AM Trial Opening of the Sustainable Office Supplies Store (SOSS)</p> <p>5 PM <b>BIZPITCH</b></p> 	<p>Tree Planting (uphill of golf course)</p> 	<ul style="list-style-type: none"> <li>Director's Message</li> <li>President's Sustainability Council Update</li> <li>Student/Faculty &amp; Staff Corner</li> <li>Pathway to Zero Waste</li> <li>Ecological Conservation and Restoration</li> <li>Socially Responsible Investing (SRI)</li> <li>Carbon Neutrality</li> <li>Learning and Working on Sustainability</li> </ul>	<p>11 AM The Second Living Landscapes</p> 	
Second Week of Events	17	18	19	20	21	22	23
		<p>Sustainable Path Scavenger Hunt START</p> 	<p>President's Sustainability Council Meeting</p> 	<p>NOON Join Scope 3 Emission Lunch and Learn</p>	<p>Climate Commitment Workshop with Professor Smyer</p>	<p><b>EARTH DAY</b></p> <p>Life Staking of Trees (farm house)</p> <p>Sustainable Path Scavenger Hunt Ends</p>	<p>10 - 11 AM 9th Annual Sustainability Symposium Plenary Panel: Radical Hope through Food</p> 
	<p><b>SOSS</b> Sustainable Office Supplies Store</p> <p>Taylor Hall, Room 15 &amp; 18</p> <p><b>HOURS:</b> Tues., Wed. &amp; Thurs.: 11 AM - 2 PM</p>  <p>Molly Garrahy: mcg015@bucknell.edu</p>		<p>7:30 PM Minimalism Documentary</p>	<p>6:30 PM Makerspace Event</p>	<p>7:30 PM No Driving Tailpipe Pollution Free Day</p> 	<p>10 - 11 AM 9th Annual Sustainability Symposium Plenary Panel: Radical Hope through Food</p> <p>NOON Socially Responsible Investing WG ESG Lunch and Learn Zoom</p> <p>3 - 5 PM Earth Day Farm Festival</p> <p>5:30 PM Shabbat - Berelson Center</p> <p>6:30 - 7:30 PM 9th Annual Sustainability Symposium Keynote Speaker: Sachem HawkStorm</p>	<p>8:30 AM - 4 PM Trees Tenders Training Lunch/snacks are included! St. Mary's St. Park.</p>

\*These activities are predominantly created by the students, faculty and staff here at Bucknell in hopes of engaging campus sustainability





# WORKING GROUPS UPDATE

This semester was the beginning of a turnaround from COVID-19-impaired campus sustainability activities. All of the four working groups were able to meet as a whole, in subgroups or implemented initiatives or other activities as summarized below.

**Pathway to Zero Waste;** co-sponsors: Jeff Loss, Associate Vice President of Facilities, and Professor Kim Kabawaski: Thanks to our student intern (Molly Garrahy), the Sustainable Office Supply Store (SOSS) had a “soft opening” with limited hours. Going forward, volunteers will be needed for effective operations of the SOSS. The sustainable move-out program this semester was under the leadership of Dr. Milton Newberry of the BCSE. In the coming semesters, this working group will work with students, the Facilities Department and others to audit campus waste stream and finalize a pathway to zero waste plan.

**Ecological Conservation/Restoration;** co-sponsors: BCSE Faculty Director/Professor Peter Jansson, Professor Mark Spiro and Professor Paul Siewers: Thanks to Facilities Department, the Campus Path/Sustainability Trail project planning and design is in progress. It will help connect people to the environment as well as enhance wellness. Working with Encore, Greenbackers Capital and Owen Farms, the Bison Solar Farm location is envisioned to become a living learning lab for biodiversity/natural habitat. Plans are underway for pollinators under the solar panels. Another focus of this working group is targeted tree planting under the guidance of Facilities Department. This semester, 100 trees were planted at the driving range of the University’s golf course. Another 100-live-tree staking was conducted in front of the Farm House during the Earth Day celebration.

**Carbon Neutrality Group;** co-sponsors: Jeff Loss and Peter Jansson: The University continues to make progress on the 2010 Climate Action Plan including energy efficiency, renewable energy and integration of sustainability into education and operations. Working with Encore, OCS and Facilities Department, a blended/hybrid road map towards carbon neutrality by 2030 and decarbonization including potential campus electrification has been developed and presented to the PSC. Powering the Campus/Renewable Energy Subgroup under the leadership of Jim Knight will update the electrification studies to cover life cycle analysis. The carbon pricing/offsetting subgroup under the leadership of Professor Ken Field will coordinate follow-up steps related to the Stuhl/Blumberg recommendations to the PSC on carbon offset principles.

**Socially Responsible Investing (SRI);** co-sponsors: Eileen Petula, Vice President for Finance & Administration, and Professor Karen McGrath: SRI conducted the first Environmental, Social and Governance (ESG) lunch and learn event during the Earth Day celebrations. Participants learned about sustainable investing including the meaning of green bonds and green real estate certifications, such as LEED and Energy Star. In the coming semesters, the SRI working group will seek to intersperse general ESG education with things that Bucknell is doing. In the coming semesters, the SRI working group will seek to intersperse general ESG education within various Bucknell efforts, such as food waste biodigesting, the walking path, tree planting, Bucknell Farm, Climate Action Plan targets and other campus sustainability activities.





# INTERNS' SPRING 2022 ACCOMPLISHMENTS

In this edition of Sustainability @ Bucknell, the interns in the Office of Campus Sustainability provide a summary of their accomplishment in the spring 2022. Zoe Walsh's primary assignment was to communicate the office activities. Maya Sabatier worked on auditing the carbon footprint inventory process and housing sustainability certification. Ben Fink continued his work on developing a framework for Divisional Sustainability Champions/Ambassadors. Molly Garrahy is focused on waste minimization objective of the University. This semester her work centered on the Sustainable Office Supplies Store (SOSS) pilot operations working with Colton Jiorle and other students. Congratulations to Ziheng Zeng, who was named a Campus Sustainability Champion by the Pennsylvania Environmental Resource Consortium (PERC). Ziheng continued her work of helping to document key performance indicators for the draft Sustainability Plan. Enjoy reading the student interns accomplishments in their words.



**ZOE WALSH '24**

“My name is Zoe Walsh and I am a sophomore double major in education and psychology at Bucknell. I started my internship with the OCS during this past semester. I didn't know much about the initiatives on campus regarding sustainability. However, I was eager to learn more and decided to join this amazing group of people. Throughout the semester, I have worked closely with the other interns, as well as some of the staff members who are devoted to a sustainable campus.

I worked to gather different perspectives and photos for the newsletter that is created each semester. I have really enjoyed working with this group on campus. It has been really great getting to learn about a field that is completely new to me. I hope that in my remaining two years of college, I can implement true changes that are easily achievable by the staff and entire student body.”



**MAYA SABATIER '24**

“My name is Maya Sabatier and I started as a sustainability intern at the beginning of the spring 2022 semester. I have enjoyed a lot of aspects of my job, specifically my focus on carbon footprint inventory process auditing and Residential Sustainability Certification. Bucknell currently use Sustainability Indicator Management and Analysis Platform (SIMAP) to estimate carbon footprint that is reported to Second Nature. Second Nature publishes the results and tracks our Climate Action Plan commitment along with other universities.

I have been working with a company called TrustPlace to compare their platform with SIMAP to determine which was easier and more productive to record and submit data. I determined that SIMAP is the better platform to continue with after fully evaluating both options. I feel most fulfilled with my role because I feel like I'm making a tangible impact on our emission records. This step will increase sustainability on campus because it confirms Bucknell is using the most efficient data platform available. In the future, I hope to take on larger roles within sustainability and work more extensively with students and faculty.”



**BEN FINK '24**

“Hey, everyone! My name is Ben Fink and I am a sophomore Environmental Studies major. I started interning for the OCS in fall 2021, and it has been such an amazing experience! I am working on a project to drive down sustainability across campus. I have tracked our energy consumption per building on campus, and have calculated our scope one emission per division on campus.

The hope is that this framework will enable us to learn how divisions of the University are helping to find the 'holes' where we can do better in our sustainable efforts. We need many sustainability champions across campus. A sustainability champion educates people in their division on becoming more sustainable. Hopefully, this will help us achieve the University's goal of being carbon neutral by 2030. Be the change you want to see!”



**MOLLY GARRAHY '24**

“I started as an intern in fall 2021, and the past year has been an amazing learning experience. I focus on the zero waste aspects of Bucknell’s draft Sustainability Plan. This semester I was able to test open the Sustainable Office Supplies Store run by student managers. Faculty and staff can bring in used office supplies and also take items they would use, thus preventing unnecessary waste from going into the landfill.

I have also been researching ways to implement a single-use plastic-free plan on Bucknell’s campus, along with helping with sustainable dorm move-outs. The other interns have been so supportive of each other’s work, which has helped me practice my professional skills. In the years to come, I hope to continue pushing the University to listen more and more to the students’ concerns about sustainability and help with any area I can.”

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**ZIHENG ZHENG '23**

“My name is Ziheng Zeng. I’m a junior chemical engineer. I’m from Lanzhou, China. My role is to help in establishing key performance indicators (KPIs) for the draft Sustainability Plan by consulting with staff and faculty members. I also calculate and track data from existing reports such as AASHE/ STARS. KPIs will enable us to gauge how the draft plan results are heading towards the sustainability objectives in the Strategic Plan.

I also take on an assignment from a previous intern by completing a sustainability campus map using ArcGIS software. The maps can be used for sustainability project design, implementation monitoring, and tracking by internal teams and service providers. We also developed a sustainability behavioral changes survey which is ready to be administered next semester.”