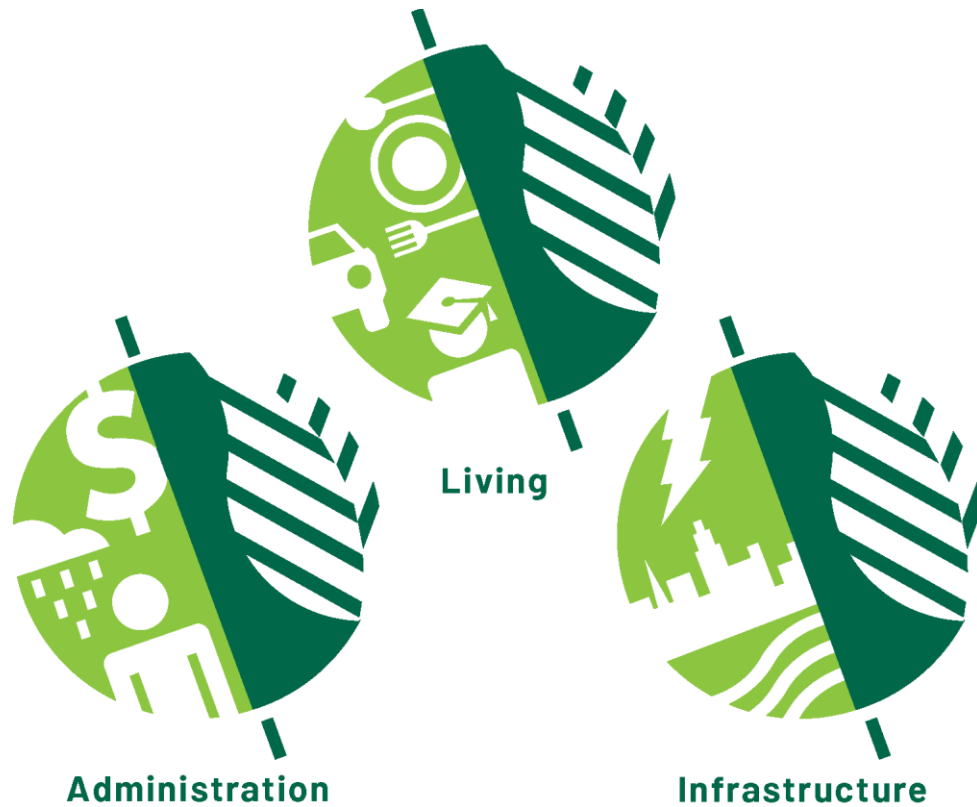


Annual Report

Spring 2019 – Spring 2020



OHIO
UNIVERSITY

| **Sustainability Hubs**

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Introduction

This was an exciting and successful first year for the Sustainability Hubs! Our Hub Coordinators, with the help of their graduate assistants and the support of the Office of Sustainability, have led the development or advancement of a variety of robust sustainability initiatives as well as facilitating or monitoring initiatives in all twelve Hub themes: buildings, climate, energy, food, grounds, human resources, investments, procurement, student life, transportation, waste, and water.

The onset of the COVID-19 global pandemic in March 2020 has magnified the urgent need to reimagine the University as a more flexible and resilient institution. The framework of sustainability is designed for such flexible, multi-criteria and resilient systems-thinking and decision-making. Ability to apply systems thinking and multi-criteria decision-making to today's world is, in fact, a core competency critically needed by students and staff alike.

Please continue reading for a summary of highlights by Sustainability Hub, followed by appendices listing Hub-supported and Hub-related initiatives, events, engagements, and media mentions, as well as photo captions. Relevant Sustainability & Climate Action Plan goals which have been preliminarily approved by President's Council are referenced in the tables in the appendices.

Sustainable Administration Hub



The main initiative in the Sustainable Administration Hub was to launch a student-centered action group called the Climate and Sustainability Ambassadors. The Climate and Sustainability Ambassadors work both on and off campus to increase engagement in the broad area of sustainability and improve climate literacy. The group had its first recruitment in February 2019, and officially launched in March 2019. In its first year, the main goals of the Climate and Sustainability Ambassadors were to:

1. Create opportunities for student engagement in the areas of climate literacy and/or sustainability, with the specific goal of having each Ambassador participate in 3 events a semester;
2. Increase student engagement at Ohio University in the areas of sustainability and climate literacy;
3. To foster existing relationships and form new partnerships with key groups both on and off campus to foster an engagement ecosystem around the concepts of sustainability and climate literacy.

While the Ambassadors work in nearly all aspects of sustainability including the Sustainable Administration Hub themes of Climate, Procurement, Investments and Human Resources, the most direct connection to the Sustainability and Climate Action Plan (SCAP) goals are in the areas of waste & energy (Infrastructure Hub), transportation (Living Hub), and climate (Administration Hub). Thematic focuses in each Hub encourage interactions between all Hub participants. See [Appendix I: Sustainable Administration Hub-supported Initiatives](#) for more details of Hub-supported initiatives.

Through our education, outreach programs, and involvement, students are working to reduce the amount of waste sent to landfill and increase composting and recycling rates (by participating in zero waste football and basketball games, and helping with off-campus moveout); reduce energy consumption (by engaging with students in the dorms about using less energy and providing tips to conserve energy in their work and everyday life); transportation (through a video encouraging students to use sustainable forms of transportation, such as walking / cycling, and public transport like the Go Bus, as well as encouraging students to purchase locally, especially food); and climate (through a reduction in personal greenhouse gas emissions / carbon footprints, with the goal to aid in reducing the campus carbon footprint in its goal to carbon neutrality in 2050).

During Spring of 2019 the Climate and Sustainability Ambassadors initiative was officially launched with 6 inaugural events ([Appendix II: Sustainable Administration Hub Engagements, Events and Media Mentions](#)). The following semester saw substantial growth in the number of events the Ambassadors sponsored directly or provided volunteer support at, effectively doubling the campus engagement of the previous semester from 6 events to 11 events. Before the COVID-19 pandemic canceled all in person activities in the Spring of 2020, the initiative was on pace to match or exceed the number of engagement events from previous semesters, having participated in or hosted 5 community engagement events supporting one of the three pillars of sustainability. The Ambassadors plan to participate in online Earth Month activities in

lieu of in-person events. See [Appendix II: Sustainable Administration Hub Engagements, Events and Media Mentions](#) for more engagement details.



Through our events we have seen continued engagement. At our launch in March 2019, we had 80 Ambassadors, and 25-30 were enthusiastically engaged and met the 3-event requirement. In Spring 2020, we had around 60-70 Ambassadors on our roster, with 30-35 engaged. The percentage of students actively engaged has increased markedly from semester to semester. We have similar numbers in Spring 2020 and continue to add new members weekly. Further, through our education and outreach programs we continue to reach more of the campus community. Though difficult to gauge direct number of engagements, the Ambassadors easily interacted with over 100 individuals in Spring 2019, over 200 in Fall 2019, and nearly 100 so far in Spring 2020. In addition to the Climate & Sustainability Ambassador initiative, Sustainable Administrative Hub members participated in a Sustainable Purchasing Workgroup (Procurement theme), created strong relationships with Human Resources staff, and began the process of learning about Sustainable Investing. Please see [Appendix I: Sustainable Administration Hub-related Initiatives](#) for other initiatives related to the Sustainable Administration Hub but primarily supported by other members of our campuses or communities.

Sustainable Living Hub



(See Appendix I: Sustainable Living Hub Initiatives, and Appendix II: Sustainable Living Hub Engagements, Events and Media Mentions for complete lists and details).

The Sustainable Living Hub's core mission is to advance its two initiatives—the OHIO Student Farm and the Farm to the OHIO Working Group (FOWG). Both initiatives are dedicated to improving the wellbeing of campus and community by strengthening our regional food security.

The OHIO Student Farm is a site of interdisciplinary, experiential learning where, through hands-on education in food production, sustainability becomes a real presence in students' lives. The FOWG supports OHIO's institutional procurement of local food to strengthen our regional economy. The OHIO Student Farm enhances the quality of OHIO student life and strengthens its academic mission while the FOWG contributes to OHIO's sustainability and community engagement goals.

The Ohio Student Farm



Students across the university interact with the Farm in a variety of ways. The number of students engaged with the Farm has grown to well over 300 yearly as it is used as an interdisciplinary learning laboratory for academic classes, student market internships, and student club activities. The Farm student-run market offers campus and community access to fresh, sustainably raised produce, with all revenue supporting internships and scholarships.

The OHIO Student Farm goals included

- 1) Obtaining Good Agricultural Practices Certificate (GAP) for sales to OHIO Central Food Facility (CFF);
- 2) Expand market sales and donations of student-grown food to address campus and community hunger; and
- 3) Increasing student awareness of, and involvement, with the Student Farm.

The past year saw the Student Farm meet and exceed these goals, as outlined below:

- 1) May 2019, GAP Certification was obtained; CFF purchasing helped OHIO sustainability metrics in food miles and carbon impacts while providing a fresher, organic student-grown produce to the campus community;
- 2) Student Farm sales increased by 30% with revenue supporting internships and scholarships as donations increased 15%; and
- 3) The Farm expanded engagement as the students in Center for Entrepreneurship and in the OHIO Honor College conducted Farm research projects. In addition, the Hub seminar brought over 50 students to the Farm for tours and garden workshops and the Food Matters Club recruited two dozen new members. Graduate students demonstrated their support by passing Graduate Student Senate Resolution 1920-13: Support for OHIO

Student Farm and Locally Source Food at OU. Similar resolutions are planned in Undergraduate Student Senate and Faculty Senate.



Farm to OHIO Working Group (FOWG)

The FOWG includes campus and community representatives who meet monthly to advance OHIO's institutional procurement of regional food. The FOWG goals are:

- 1) Map out steps and hurdles for regional food producers to sell to OHIO' Culinary Services;
- 2) Develop a procurement toolkit for small producers; and
- 3) Refocus the university definition of "local" purchasing on the Buckeye Hills-Hocking Valley Regional Development District as defined by the Appalachian Regional Commission.

Over past year, the FOWG has made significant progress on these goals as seen by:



- 1) Culinary Service's CFF's \$15,000 in OHIO regional food purchasing;
- 2) Procurement pathways established for small regional producers; and
- 3) Crucially, OHIO created and implemented a new definition of "OHIO Neighborhood Food," defined as food grown, raised or processed within 100 miles from the Athens campus. This definition is included in the new University Sustainability Plan.



Along with the Student Farm and the FOWG, the Sustainable Living Hub also engages with campus sustainability initiatives with grounds, transportation, and student life. For example, the Tree Advisory Committee (TAC) has continued to meet monthly to discuss campus tree care. TAC has worked with the Grounds to update the Tree Care Plan, to maintain and to increase natural habitats and certified monarch waystations, resulting in Ohio University's designation as a Tree Campus USA

for the fourth year in a row. All transportation initiatives, including Bobcat Pass, electric vehicles and charging stations, Hockhocking bike path, and the Parking Master Plan work to ensure safe, affordable, efficient routes and to reduce carbon emissions. The Hub also works to promote Student Life initiatives, such as the Basic Needs Initiative, green cleaning, and incorporating sustainability in student orientations and online campus materials.

We in the Sustainable Living Hub have met many of our SCAP goals, and we continue to work toward greater sustainability in all four Hub theme areas. For example, adaptations in transportation- and grounds-related practices have achieved our goal of reducing carbon emissions while Farm activities and donations to Cats' Cupboard have lessened food insecurity and improved student access to fresh fruits and vegetables. Students, faculty, staff and Athens community members all engage with Sustainable Living Hub initiatives with numbers ranging from 300 at the Student Farm and over 100 with the FOWG and related activities. These numbers continue to grow as we seek to enhance the university's position as an agent of positive change in our region and further OHIO's position as a leading-edge lab for sustainability.

The COVID-19 pandemic has brought into stark relief the pressing need to enhance our food security and regional food systems. This is the core mission of the Sustainable Living Hub—to engage students, faculty, and staff in the critical need to bring sustainable food to our campus and community table and we will redouble our efforts in the coming year.

Sustainable Infrastructure Hub

The main responsibility of this hub is to monitor and connect activities, projects, and people around campus related to the hub initiatives of energy, water, buildings, waste reduction. Hub-supported and Hub-related events have spurred engagement across campus. Currently, 16 staff and faculty across campus are involved in projects or initiatives related to Hub goals. (See [Appendix I: Sustainable Infrastructure Hub-supported and Hub-related Initiatives for complete initiatives list and details](#)).

Many hub related initiatives have occurred around campus which have been mentioned in the media (see [Appendix II: Sustainable Infrastructure Hub Engagements, Events and Media Mentions](#)). The Hub Coordinator and Hub Graduate Assistant also attended many events in official capacity, including: two seminars by Dr. Vogt and one from Dr. Moran, University Sustainability Committee meeting, monthly Hub coordinator meetings, several composting (West 82) meetings, weekly TBL-CBA tool meetings, Zero Waste meetings, the Student Senate Sustainability Slammer, and EcoChallenge.

Over 45 people attended the Infrastructure Hub seminar on November 7th, 2019 at the Front Room Café in Baker Center. This seminar was also live streamed on the Ohio University Office of Sustainability Facebook page. The spring Infrastructure Hub seminar was postponed to Fall, 2020, due to the COVID-19 outbreak. (See [Appendix II: Sustainable Infrastructure Hub Engagements, Events and Media Mentions](#) for full details)

In addition to the overall objective of the Sustainable Infrastructure Hub to promote sustainable practices in the areas of energy, water, buildings, waste reduction, two specific goals for the year were set:

1. Launch the Sustainability Projects Laboratory (SPL) to provide experiential learning opportunities in the realm of sustainability to students and faculty at Ohio University
2. Develop a Triple-Bottom-Line (people, planet, prosperity) Cost Benefit Assessment (TBL CBA) tool to evaluate and create discussion/consensus on the true value of sustainability projects.

Sustainability Project Laboratory

The SPL (<https://www.ohio.edu/sustainability/reporting/sustainability-project-laboratory>) is live and is populated with projects. Several projects were used in the 2019 EcoChallenge. Currently, the SPL hosts 34 projects. The Infrastructure Hub SCAP goals (energy, water, buildings, waste reduction) all have at least one project. Additionally, there are projects that relate to SCAP goals in other Hubs. All the SCAP goals could potentially be linked to a project in the SPL as the number of projects continue to grow.



EcoChallenge involved eight teams and thirty students from the Russ College of Engineering, College of Business, and the Cutlers Scholars program to solve sustainability issues throughout campus in a cross-functional team format. With the help of Facilities Management

and the Office of Sustainability, students worked throughout the Fall semester to identify, analyze and propose solutions to a panel of expert judges with the top four teams presenting on December 4th, 2019. The winning team proposed implementing battery powered utility vehicles for groundskeeping crews be used to reduce costs, improve emissions, and create a better working environment by reducing noise.

Triple Bottom Line Cost Benefit Analysis Tool

The TBL CBA tool is currently being developed through a collaboration between students, faculty and staff from the Sustainable Infrastructure Hub, the Office of Sustainability, and the Voinovich School's Social Enterprise Ecosystem group. The Sustainable Infrastructure Hub graduate assistant is responsible for the tool development and for leading a weekly progress meeting with the group of collaborators. In Fall 2019, the framework was outlined and preliminary literature analysis/exploration was completed. The framework is currently being tested with case studies, which we expect will flesh out the database and usability.

The TBL CBA tool was presented to the Sustainability and Athletics Working Group on February 12th, 2020. This was the tool's first presentation at the request of an interested OU group. The Sustainability and Athletics Working Group discovered our TBL-CBA work at the Sustainability Slammer on November 20th, 2019, and saw potential in the tool to be used for evaluation of sustainability in athletic events.

Appendices

Appendix I: Hub Initiatives

Sustainable Administration Hub-Supported Initiatives

Initiatives	Goals	SCAP Alignment
<p><u>Climate and Sustainability Ambassadors:</u> <i>A decentralized student volunteer and climate action group.</i></p>	<p>1. Create opportunities for student engagement in the areas of climate literacy and/or sustainability, with the specific goal of having each Ambassador participate in 3 events a semester</p> <p>2. Increase student engagement at Ohio University in the areas of sustainability and climate literacy;</p> <p>3. To foster existing relationships and form new partnerships with key groups both on and off campus to foster an engagement ecosystem around the concepts of sustainability and climate literacy.</p>	<p>Waste Reduction, Energy Use Reduction, Transportation Emissions Reduction. Improving Climate Literacy.</p>
<p><u>Hub Seminars:</u> <i>Monthly Seminars, open to the public for Hub Coordinators, Faculty and Staff to discuss SCAP goals.</i></p>	<p>To promote communication regarding the University's Climate Action plan with students, staff, and faculty; and across all campuses and centers</p>	<p>Communication and Education for all SCAP targets and initiatives</p>

Sustainable Administration Hub-Related Initiatives

Initiative (Lead department/Unit)	SCAP Alignment
<p><u>Diversity and Inclusion Mix and Mingle Events (Diversity & Inclusion)</u> <i>Events which increase sense of belonging at OHIO</i></p>	<p>Ensure that sustainability, diversity, and inclusion are factors in employee hiring, professional development, retention, and assessments</p>
<p><u>Affinity Organization Council (Human Resources)</u></p>	<p>Ensure that sustainability, diversity, and inclusion are factors in employee hiring,</p>

<i>Resource for staff and faculty that provides opportunities to share interests and hobbies</i>	professional development, retention, and assessments
<u>Women Leading OHIO (Human Resources)</u> <i>A program offered through the Women’s Center to retain and support women leaders across the faculty and staff at Ohio University</i>	Ensure that sustainability, diversity, and inclusion are factors in employee hiring, professional development, retention, and assessments
<u>Inclusive Pedagogy Academy (Human Resources)</u> <i>Program to engage faculty with various approaches and techniques to teach and engage with students</i>	Ensure that sustainability, diversity, and inclusion are factors in employee hiring, professional development, retention, and assessments
<u>Flexible Workspace Policies (Human Resources)</u> <i>Staff and faculty are able to arrange alternative workspaces away from campus to reduce GHG emissions from commuting</i>	Support and promote employee physical and mental health, wellness & resilience
<u>Diverse Junior Faculty Mentoring Program (Human Resources)</u> <i>A mentorship program offered through D&I to retain and support diverse faculty</i>	Ensure that sustainability, diversity, and inclusion are factors in employee hiring, professional development, retention, and assessments
<u>Produce Buying Club (Wellworks)</u> <i>Purchasing and delivering food to club members from local farms and families</i>	Support and promote employee physical and mental health, wellness & resilience; Support the local food economy with preference to “neighborhood food” products
<u>Virgin Pulse Wellness Tracking (Wellworks)</u> <i>Program for benefits eligible employees to track healthy habits with a mobile device or wearable</i>	Support and promote employee physical and mental health, wellness & resilience
<u>Out and Strong Wellness Group (Wellworks)</u> <i>A training and exercise group especially targeted for those in the LGBTQ community</i>	Support and promote employee physical and mental health, wellness & resilience; Ensure that sustainability, diversity, and inclusion are factors in employee hiring, professional development, retention, and assessments
<u>Sustainable Investment Group (College of Business)</u> <i>Experiential learning exercise run by students and focused on responsible investments</i>	Increase investments that support sustainable economic activity
<u>2050 Carbon Neutrality Pledge (President’s Office)</u> <i>Ohio University’s pledge to reach carbon neutrality</i>	Reduce institutional greenhouse gas emissions
<u>Annual Greenhouse Gas Inventory (Office of Sustainability)</u>	Reduce institutional greenhouse gas emissions

<u>Annual Procurement Fair (Procurement)</u> <i>A green event that encourages availability of sustainable products from University suppliers</i>	Increase purchasing of sustainable and/or recycled products across a range of categories
<u>Sustainable Procurement Group (Procurement)</u> <i>Advisory group to develop sustainable procurement guidelines</i>	Increase purchasing of sustainable and/or recycled products across a range of categories

Sustainable Living Hub-Supported Initiatives

Initiative	Goals	SCAP Alignments
<u>OHIO Student Farm:</u> <i>An experiential learning lab and food production site</i>	Engage community members in workshops, sell produce during seasonal markets, donate to community food pantries and Cats' Cupboard	Support local & regional food economy
<u>Cats' Cupboard:</u> <i>A campus food pantry</i>	Decrease hunger by providing students nutritional assistance	Support and promote student physical and mental health, wellness and resilience
<u>Discovery Kitchen:</u> <i>Series of workshops where participants make and enjoy a nutritious & delicious meal using local produce</i>	Foster the creation of a resilient regional food system that engages students and community members with their local food system	Provide & Promote positive food choices for campus members
<u>Farm to OHIO Working Group:</u> <i>A regional partnership to expand regional food procurement</i>	Strengthening the regional food economy. Encouraging the University to purchase GAP certified produce from regional producers	Support local & regional food economy
<u>Food Matters Student Org:</u> <i>Weekly student meeting to discuss food on campus</i>	Education and roundtable discussion to increase student consumption of local foods	Provide & Promote positive food choices for campus members
<u>Sapling Scavenger Hunt:</u> <i>University students pair up with CDC preschoolers to follow a map in search of seven different trees at the Ridges</i>	To educate early childhood students on the importance of trees and how they are identified	Create and maintain healthy, natural, biodiverse and beautiful landscapes that can act as the foundation for sustainability-oriented

		experiential learning opportunities
<u>Tree Advisory Committee:</u> <i>Monthly meeting to discuss campus tree care</i>	Provide support to the Grounds Department in their planning for, education and maintenance of campus trees. Development of community-wide programming and outreach	Create and maintain healthy, natural, biodiverse and beautiful landscapes that can act as the foundation for sustainability-oriented experiential learning opportunities

Sustainable Living Hub-Related Initiatives

Initiative (Lead department/Unit)	SCAP Alignments
<u>Bobcat Pass:</u> (Transportation & Parking) <i>Enables faculty, staff & students to ride Athens Public Transit (APT) routes free of charge utilizing their university ID</i>	Create safe, efficient, affordable and healthy routes for non-single occupancy vehicle transit
<u>Transportation Working Group:</u> (Transportation & Parking) <i>Monthly transportation meeting</i>	Create safe, efficient, affordable and healthy routes for non-single occupancy vehicle transit
<u>Zipcar & shared mobility program:</u> (Transportation & Parking) <i>Zipcar lets you drive a variety of cars on demand, by the hour or the day, around campuses, cities and airports worldwide</i>	Create safe, efficient, affordable and healthy routes for non-single occupancy vehicle transit
<u>Leaf & Volt Vehicle Fleet:</u> (Transportation & Parking) <i>Plug in Electric Vehicles for use around campus and community</i>	Reduce carbon emissions from transportation-related activities; reduce single occupancy vehicle transit
<u>Hockhocking Adena Bikeway:</u> (Hockhocking Adena Bikeway Committee) <i>A paved path that runs more than 20 miles along the Hocking River through Athens to Nelsonville</i>	Create safe, efficient, affordable and healthy routes for non-single occupancy vehicle transit
<u>Parking Master Plan:</u> (Transportation & Parking)	Create safe, efficient, affordable and healthy routes for non-single occupancy vehicle transit
<u>Green Certification at Atrium Café:</u> (College of Health Sciences & Professions) <i>A transparent way to measure the restaurant's environmental accomplishments</i>	Provide & Promote positive food choices for campus members

<p><u>Plug in EV Charging Stations</u> (Transportation & Parking) <i>Designated spots on campus where plug in EV's can be recharged</i></p>	Reduce carbon emissions from transportation-related activities
<p><u>Baker Edible Garden Project</u> (Grounds/Plant Biology) <i>A viable space for producing wonderful, fresh, and organic produce</i></p>	Provide & Promote positive food choices for campus members
<p><u>WellWorks Community Supported Agriculture:</u> (Wellworks) <i>Staff & faculty fitness center</i></p>	Provide & Promote positive food choices for campus members
<p><u>Reusable ToGo Container Project:</u> (Culinary Services) <i>Carry-out boxes that can be infinitely washed and reused instead of being put into the waste stream</i></p>	Provide & Promote positive food choices for campus members
<p><u>Unused Meal Donation Initiative:</u> (Culinary Services) <i>Meals from Student Dining Plans can be donated to those in need</i></p>	Provide & Promote positive food choices for campus members
<p><u>Integrated Pest Management (IPM):</u> (Grounds) <i>A practice that emphasizes the growth of a healthy crop with the least possible disruption to ecosystems and encourages natural pest control mechanisms</i></p>	Create & maintain healthy, natural, biodiverse, & beautiful landscapes
<p><u>Storm Water Management:</u> (Environmental Health & Safety) <i>Implementing and continuing practices in line with our US EPA Stormwater permit.</i></p>	Create & maintain healthy, natural, biodiverse, & beautiful landscapes
<p><u>Naturalized Areas & Wildlife Habitats:</u> (Grounds) <i>Intentional effort to leave areas of campus 'natural', with minimal maintenance</i></p>	Create & maintain healthy, natural, biodiverse, & beautiful landscapes
<p><u>Certified Monarch Waystations:</u> (Grounds) <i>Sites that provide monarch butterflies with what they need to sustain migration across North America</i></p>	Create & maintain healthy, natural, biodiverse, & beautiful landscapes
<p><u>Battery operated tool initiative</u> (Grounds) <i>Research and support the purchase of low emission electric tools</i></p>	Reduce carbon emissions from grounds-related activities
<p><u>Sustainability Partnership with Graduate Student Orientation and Bobcat Student Orientation</u> (Graduate College)</p>	Prioritize sustainability, diversity & inclusion

<u>Green Cleaning Products:</u> (Custodial, Culinary) <i>Support the use of biodegradable and Earth friendly cleaning products</i>	Support and promote student physical and mental health, wellness and resilience
<u>Sustainability website & recruitment materials</u>	Prioritize sustainability, diversity & inclusion

Sustainable Infrastructure Hub-Supported Initiatives

Initiative	Goals	SCAP alignment
<u>Sustainable Project Laboratory:</u> <i>Website of sustainability projects developed for curricular purposes</i>	Increase access to experiential learning and sustainability projects.	Increase faculty, student, and community engagement across all hub themes.
<u>Triple Bottom Line Cost Benefit Analysis (TBL CBA)</u> <u>Tool:</u> <i>Framework for assessing sustainability impacts.</i>	Create a tool to evaluate the impacts of projects across all hub themes on campus.	Communication and decision-making tool for use in all hub themes.
<u>Lausche Heating Plant and energy conservation:</u> <i>Campus heating plant energy efficiency projects</i>	Enhancing energy conservation with experiential learning by engaging students via EcoChallenge and SPL.	Reduce campus and building energy intensity; Decrease reliance on fossil fuel energy
<u>Campus Recycling:</u> <i>Initiatives to reduce campus waste and increase diversion from landfill.</i>	Creating compost pilot program in West 82. Creating a TBL analysis for composting in the Convo.	Reduce municipal and Universal Solid Waste; Increase diversion from landfill to reuse, recycling and composting
<u>Surplus:</u> <i>ReBike sale.</i>	Reduce waste by repurposing abandoned bikes on campus	Increase diversion from landfill to reuse, recycling and composting
<u>Maintain water infrastructure:</u> <i>EcoChallenge project on using groundwater to reduce potable water use in irrigation.</i>	Reduce water consumption on campus landscaping.	Reduce potable water usage and water use for irrigation
<u>Maintenance & Operations:</u>	Use experiential learning to improve O&M.	Maintain and operate existing buildings to reduce impacts

<i>Many EcoChallenge projects supported grounds and O&M topics.</i>		
<u>Zero Waste Initiative:</u> <i>Grant funded waste reduction initiative through Voinovich School.</i>	Support Zero Waste Initiative by partnering for events, marketing, communication with constituents, and grant writing. Creating a TBL analysis for composting in the Convo.	Increase diversion from landfill to reuse, recycling and composting
<u>Reuse and Repair Fair:</u> <i>Earth day event jointly sponsored by Office of Sustainability and Zero Waste Initiative.</i>	Educate campus community about reducing and repurposing waste for OHIO.	Increase diversion from landfill to reuse, recycling and composting
<u>Green Events:</u> <i>Guidelines for sustainable event planning</i>	Encourage campus community on to implement green events. Facilitate learning how to use campus resources to put on green events.	Increase diversion from landfill to reuse, recycling and composting
<u>Move Out:</u> <i>Support of student move out waste management.</i>	Ensure proper reuse and recycle stations for items discarded during move-out.	Increase diversion from landfill to reuse, recycling and composting
<u>Renewable RFP:</u> <i>Request for bid on renewable energy projects.</i>	Increase renewable energy purchasing for OHIO.	Decrease reliance on fossil fuel energy
<u>LEED Lab:</u> <i>USGBC experiential learning curriculum.</i>	Provide students opportunity to learn about LEED certification for buildings.	Maintain and operate existing buildings to reduce impacts
<u>LEED certification of new construction & renovation:</u> <i>Green building standards.</i>	LEED silver certify new buildings or renovations over 2 million dollars.	Reduce building impacts by using best practices in construction, renovation and demolition
<u>Storm water management program:</u> <i>Joint program with City of Athens for EPA storm water permit</i>	Reduce storm water runoff and pollution. Maintain EPA permit requirements.	Reduce impacts from storm water
<u>Green roof:</u> <i>Installation on Schoonover Center.</i>	Involve students in experiential learning.	Reduce impacts from storm water; Maintain and operate

	Improve energy efficiency and storm water retention.	existing buildings to reduce impacts
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Sustainable Infrastructure Hub-Related Initiatives

Initiative (Lead department/Unit)	SCAP alignment
<u>Design & Construction Infrastructure Design:</u> (D&C) <i>Best practices for D&C project managers</i>	Reduce building impacts by using best practices in construction, renovation and demolition
<u>Hazardous waste management:</u> (Environmental Health & Safety) <i>EPA program to properly dispose of hazardous waste</i>	Increase diversion from landfill to reuse, recycling and composting
<u>Lausche Plant water conservation:</u> (Heating plant) <i>Water treatment to reuse condensate</i>	Reduce potable water usage and water use for irrigation
<u>Regional campus infrastructure:</u> (FMS for RHE) <i>Sustainable initiatives at regional campuses</i>	Reduce building impacts by using best practices in construction, renovation and demolition
<u>RecycleMania:</u> (Recycling) <i>Competition between university recycling programs which was started at OHIO and Miami</i>	Increase diversion from landfill to reuse, recycling and composting
<u>Game Day Recycling Challenge:</u> (Recycling) <i>National competition among universities to promote waste reduction at football games.</i>	Increase diversion from landfill to reuse, recycling and composting
<u>Steam system annual shut down:</u> (Maintenance & Operations) <i>Corrective & preventative maintenance best practices</i>	Maintain and operate existing buildings to reduce impacts; Decrease reliance on fossil fuel energy
<u>Metering & controls projects:</u> (Maintenance & Operations) <i>Targeting high priority meters and controls</i>	Maintain and operate existing buildings to reduce impacts; Decrease reliance on fossil fuel energy
<u>Energy dashboard:</u> (Energy Management) <i>Development of dashboard for energy management</i>	Maintain and operate existing buildings to reduce impacts; Decrease reliance on fossil fuel energy

Appendix II: Hub Engagements, Events, and Media Mentions

Sustainable Administration Hub

Engagement, Event, or Media mention
<u>Sustainability and Climate Action Plan Development</u> <i>Active participation in stakeholder meetings and revisions to the upcoming renewed Sustainability and Climate Action Plan</i>
<u>Earth Day 2019</u> <i>Earth Day Parade participation and providing volunteer staff for the Reduce Reuse Repair Fair</i>
<u>Sustainability Committee Meetings</u> <i>Standing committee preparing and approving campus Sustainable Action Plan</i>
<u>Young Climate Ambassador Team partnership</u> <i>YCAT is an initiative of Rural Action. Hub volunteers partnered with YCAT to deliver climate and environmental education in area primary schools</i>
<u>Hub Seminar Spring 2019</u> <i>"The Latest Climate Science Reports: A call to immediate action"</i>
<u>Hub Seminar Fall 2019</u> <i>"Sustainability: A Challenge of and solution to global climate change"</i>
<u>Human Resources Partnership</u> <i>Active collaboration with three administrators in Human Resources, Diversity and Inclusion</i>
<u>Partnership with Zero Waste and Campus Recycling</u> <i>Providing program support and conceptualization for ZW and Campus recycling initiatives.</i>
<u>Dorm Sustainability Outreach Events</u> <i>Student-driven outreach for students living in the dorm. Partnership with TRAC to provide all funding through their engagement grant program. In all, three of these events were held. One per Green.</i>
<u>Clothing exchanges promote sustainability in affordable way</u>
<u>University comes together to strive for local food purchasing</u>
<u>Challenging Dialogues lecture to focus on climate change</u>
<u>Climate & Sustainability Ambassadors program announced!</u>
<u>Student group spreads environmental awareness</u>
<u>Cloudy with a Chance of Podcast: Climate Matters</u>
<u>West 82 minimizes the use of plastic straws on OHIO's campus</u>
<u>OHIO revises Climate Action Plan</u>
<u>First spring Sustainable Administration Hub Seminar is Feb. 27</u>
<u>Facilities to purchase battery-operated grounds vehicles after winning Eco Challenge entry</u>

Sustainable Living Hub

Engagement, Event, or Media mentions
<u>Arbor Day 2019</u> <i>Arbor Day support</i>
<u>Hub Seminar Spring 2019</u> <i>Visit to OHIO Student Farm</i>
<u>Hub Seminar Fall 2019</u> <i>Student panel on sustainable food</i>
<u>Discovery Kitchen Food Series</u> <i>Food preparation and consumption</i>
<u>OHIO named a 'Tree Campus USA' location for third consecutive year</u>
<u>OHIO staff work to protect campus trees</u>
<u>Annual ReBike Sale</u>
<u>National Bike-to-Work Day</u>
<u>Theresa Moran and Art Trese: Experiential Learning on the OHIO Student Farm</u>
<u>Ohio University in People for Bikes City Ratings Top 25</u>
<u>OU takes new "greener" approach to fighting pests</u>
<u>OU opens the door to more local food in dining halls</u>
<u>Grounds Services working hard to keep Athens Campus trees healthy</u>
<u>OHIO Student Farm student panel focus of October Sustainability Hub Seminar</u>
<u>Schoonover green roof to provide educational opportunities, sustainability</u>
<u>University comes together to strive for local food purchasing</u>
<u>Ohio University rallies support for the local food industry</u>
<u>West 82 minimizes the use of plastic straws on OHIO's campus</u>
<u>OHIO to Begin Purchasing from Chesterhill Produce Auction, OHIO Student Farm</u>
<u>Food Studies Intern Assists Local Food Producers in Growing Capacity</u>
<u>OU opens the door to more local food in dining halls</u>
<u>Interns Talk about Community-Based Work with Mayors, Farmers, Historians</u>
<u>Moran, Kostansek Present at Farm to Institution New England Summit</u>
<u>OHIO Student Farm Feeds Board of Trustees</u>
<u>Moran, Trese, Kostansek Present on Creative Models for Financing the Farm</u>
<u>Sustainable Living Hub Seminar and Visit to OHIO Student Farm, April 16</u>
<u>Sustainable Living Seminar Visits OHIO Student Farm</u>
<u>OHIO Student Farm Veggie Sale, Aug. 28</u>
<u>OHIO Student Farm First Harvest Veggie Sales, May 14 and 16</u>

Sustainable Infrastructure Hub

Engagement, Event, or Media mentions
<u>EcoChallenge 2019</u>

<i>Sustainability Pitch Competition</i>
<u>Hub Seminar Spring 2019</u> <i>Triple Bottom Line Cost Benefit Analysis</i>
<u>Hub Seminar Fall 2019</u> <i>Sustainability Project Laboratory</i>
<u>Sustainable Infrastructure Hub Seminar is March 19</u>
<u>Annual ReBike Program sale is April 18 at Walter Hall</u>
<u>Ohio EPA awards OHIO grant to expand zero waste efforts</u>
<u>New recycling grant assists initiative to process organic waste on campus</u>
<u>OHIO's Voinovich School project to re-purpose brewery waste receives USDA grant</u>
<u>Bobcats Recycle names winners for Battle of the Greens</u>
<u>OHIO earns national recognition for sustainability, recycling efforts</u>
<u>University's recycling efforts show dedication to a sustainable present and future</u>
<u>OHIO and City of Athens partner to launch electronic scooter transportation option on Feb. 18</u>
<u>Schoonover green roof to provide educational opportunities, sustainability</u>
<u>Athens solar energy investment continues to shine</u>
<u>Winter Break Energy Savings Tips</u>
<u>Ohio University's Ellis Hall awarded LEED Gold certification</u>
<u>From Acid Mine Drainage to Paint</u>
<u>West 82 minimizes the use of plastic straws on OHIO's campus</u>
<u>OHIO gets creative to reduce water usage</u>
<u>Athens to get New Solar Panels</u>
<u>Bobcats reclaim national recycling championship</u>
<u>Green Roof coming to Schoonover Center this spring</u>
<u>Ohio University Takes Going Green To New Heights</u>
<u>Facilities to purchase battery-operated grounds vehicles after winning Eco Challenge entry</u>
<u>Ohio U moving to install green roof atop Schoonover Center</u>
<u>Ohio University revises its Climate Action Plan</u>

Appendix III: Photo Credits

Sustainable Administration Hub Photo Credits

- Climate and Sustainability Ambassadors Inaugural Meeting: Elaine Goetz
- Filming the Sustainability Promo Video: Chloe Jarrett

Sustainable Living Hub Photo Credits

- Dining hall: unknown
- Grover OHIO Student Farm sale table: unknown

- Student Farm Farmers: unknown
- Culinary Logo: Ohio University Culinary Services
<https://www.ohio.edu/food/sustainability>
- 2019 Sapling Scavenger Hunt: Sam Crowl

Sustainable Infrastructure Hub Photo Credits

- Location of the green roof on Schoonover (Left Photo):
<https://www.ohio.edu/news/2020/02/green-roof-coming-schoonover-center-spring>
- EcoChallenge Participants (Right Photo):
<https://www.ohio.edu/engineering/news/news-story.cfm?newsItem=6C5E7B93-5056-A874-1D92F28D677CBFC3>