



JOHNS HOPKINS
UNIVERSITY

ANNUAL SUSTAINABILITY REPORT 2022



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2021 HIGHLIGHTS

April 1, 2021 — Solar Agreement Launched

In 2019, Johns Hopkins University (JHU) announced a historic Solar Agreement that will help the university meet its climate action commitment of reducing greenhouse gas emissions 51% by 2025, several years early. The Solar Agreement went in effect on April 1st, 2021, providing over 80% of the university's purchased electricity from clean renewable sources.

April 22, 2021 — JHU 2030 Sustainability Plan Development Launched

JHU announced the development of a new Sustainability Plan that will outline and update the university's goals and objectives for institutional sustainability through 2030. The plan will define short- and long-term actions and strategies to build upon JHU's vision for a healthy, equitable, and sustainable future for current and future generations.

April 22, 2021 — Ralph S. O'Connor Sustainable Energy Institute Established

The Ralph S. O'Connor Sustainable Energy Institute (ROSEI) was created to foster innovative research and develop policy solutions to address the greatest underlying drivers of climate change. ROSEI will develop sustainable energy technologies, educate future energy leaders, and contribute to the transition to an affordable, equitable, and green energy future.

August 9, 2021 — New JHU Sustainability Website Development

The Office of Sustainability and Sustainability Leadership Council jointly launched a website redesign to increase the transparency, reporting, and information sharing of sustainability

initiatives occurring throughout all schools and divisions of JHU.

August 28, 2021 — Office of Sustainability Student Internship Cohort Expanded

The Office of Sustainability expanded its student internship program to include more opportunities for students to contribute to diverse and impactful sustainability projects across a variety of areas including communications, engagement, and research & operations.

September 25, 2021 — Transition to Electric Bus Fleet Announced

JHU announced the transition to a fully electric fleet of buses on its Homewood-Peabody-JHMI shuttle route as part of its efforts to curb emissions from transportation and reduce local environmental impacts. By 2024, half of the university's fleet will be electric vehicles, with a full conversion to electric vehicles complete in 2026.

39%

reduction in JHU's carbon emissions since 2008

#1

largest renewable energy agreement from a MD institution

14

sustainability student interns



Climate change threatens the flourishing of our planet and all who inhabit it. We recognize here at Johns Hopkins the need to do our part by renewing our own longstanding commitments to reducing our own operational impact on the climate and advancing our sustainability goals.

— Ron Daniels, President of Johns Hopkins University



LETTER FROM LAURENT HELLER

Dear JHU Community,

Johns Hopkins University remains steadfast in its commitment to addressing the urgent environmental, societal, and health challenges we face today and will continue to face in the coming decades. Given this commitment, I am pleased to highlight some of the specific progress we have made over the last several years on our sustainability goals. We have signed a Solar Agreement that will enable the university to exceed its ambitious climate action commitment set in 2009; formed a university wide Sustainability Leadership Council to coordinate sustainability efforts through our research, operations, and engagements; and divested all university endowment holdings from companies involved in the extraction and production of thermal coal. But there remains much work to do.

After the disruption caused by the global pandemic these past two years, and as life on campus returns to a more normal state, we are poised to take on our next challenge: an update to our Sustainability Plan framework that will create new, ambitious and strategic goals for the JHU community through 2030. Our updated Sustainability Plan will set JHU's goals even higher and challenge our community to find creative and collaborative solutions that better support the intersection of sustainability, research and education, and community partnerships. The students, faculty, staff, alumni and community partners who are spearheading the updated plan have the capacity to make incredible contributions to the complex and systemic environmental challenges facing society. I am confident this group of visionary leaders will identify innovative and forward-thinking approaches that enhance outcomes across our academic, operational, and community endeavors.

I hope you will read through this report and, reflecting on the considerable progress we have made, feel a sense of gratitude, as I do, for all of the individuals who have contributed to our shared success over the past year. As we celebrate our past accomplishments, there is an opportunity to look towards the future and consider the limitless potential of JHU and all that we can achieve together. As we reaffirm our longstanding commitments to sustainability, I am excited to work alongside each of you in this new pivotal era.



Laurent Heller
*Senior Vice President for
Finance and Administration*

SECTION 1: SUSTAINABILITY PLAN

On April 4, 2021, JHU announced the development of a new Sustainability Plan. Building off the 2009 JHU Climate Change Implementation Plan, this planning process will culminate in the creation of an updated framework that lays out sustainability goals, strategies, and metrics until 2030, while setting the stage for milestones that require longer-term strategic planning.

FALL 2021 AND SPRING 2022

Lead the engagement process and creation of a consensus-based vision framework using input from JHU students, faculty, staff, alumni, and community partners.

SUMMER AND FALL 2022

Develop targets, milestones, and strategies for the advancement of sustainability at JHU including appropriate implementation strategies and pathways.

SPRING 2023

Publish a final framework endorsed by the Board of Trustees with distributed accountability for implementation throughout JHU's schools and divisions.

JHU's new Sustainability Plan will create a holistic vision for sustainability, by leveraging JHU's strengths in research and academics, while weaving themes of justice, equity, and health. The plan will tackle a variety of topics, including but not limited to:



CULTURE AND COMMUNITY PARTNERSHIPS

Partner with local communities to co-create sustainability solutions



BUILT AND NATURAL ENVIRONMENTS

Design and build high performance and healthy buildings



CLIMATE ACTION

Reduce greenhouse gas emissions and adapt to climate risks



RESPONSIBLE CONSUMPTION

Reduce waste and increase the procurement of green products



RESEARCH, TEACHING, AND SCHOLARSHIP

Identify and showcase solutions to environmental challenges

100 COMMITTEE MEMBERS

bring their expertise to the Sustainability Plan

3 COMMENT PERIODS

to gather JHU's community input on the Plan

2 TOWN HALLS

to inform the JHU community of the process

987 RESPONSES

to the Vision and Principles survey

20 MONTHS

to develop an ambitious and holistic plan

To learn more about the Sustainability Plan, stay informed, and give your input:
<https://sustainability.jhu.edu/sustainability-plan/>

JHU Sustainability Heroes



A field trip to the Strength to Love II urban farm in Baltimore

Dr. Rebecca Kelly is the director of the undergraduate program in Environmental Science and Studies and an associate teaching professor in the department of Earth and Planetary Sciences. Every year, Dr. Kelly teaches a seminar-style course where students learn about challenges in our current food system. As they volunteer on urban farms, learn how to make kimchi, or hear from chefs about partnering with local food producers, students are empowered to better understand and contribute to building more resilient food systems. In the updated Sustainability Plan, Dr. Kelly hopes to see more strategically coordinated sustainability efforts across the university, including improved communication and collaboration across departments and campuses to ultimately increase JHU's collective impact.



Gina Wadas



Christine Duke

Gina Wadas and

Christine Duke both

work for the Institute of Nanobiotechnology (INBT) at JHU and have contributed to making the institute more sustainable. Christine, the teaching lab coordinator at INBT, is an active member of the Green Labs Working Group of the [Sustainability Leadership Council](#). Among her many contributions, Christine is most proud of launching a pilot MyGreen Lab certification program

at INBT. She successfully inspired her colleagues to adopt simple practices which contributed to reducing the energy consumption of the entire lab. As part of the Sustainability Plan, Christine hopes that JHU will enact greater financial and policy commitments towards greener buildings, recycling, and research practices. Specifically, she wants JHU to collaborate with local communities to improve waste diversion efforts in Baltimore.

Gina, a science writer, has been instrumental in having INBT adopt green office practices. She feels that INBT and its staff can lead by example, inspiring people to educate themselves about sustainable living and incorporate conservation habits into their own lives and community. Gina hopes that “education and training about JHU’s initiatives and practices will be integrated into orientation and onboarding procedures for new JHU students, faculty, and staff.” Together, Christine and Gina have inspired others at Croft Hall and in the broader JHU community to adopt new behaviors which have the potential to create systemic change throughout the university.



Dr. Roni Neff

Dr. Roni Neff, associate

professor in Environmental Health & Engineering, is a co-director of a \$15 million National Science Foundation [grant](#) focused on researching food waste.

With the help of other U.S. universities and fellow researchers from JHU, the grant will establish the first national research network dedicated to examining and reducing food waste. The network will focus on creating data infrastructure to track wasted food, developing qualitative insights, and modelling and evaluating innovative policy solutions. The network and grant directly contributes to the [national food waste reduction goal](#) to reduce food waste 50% by 2030.

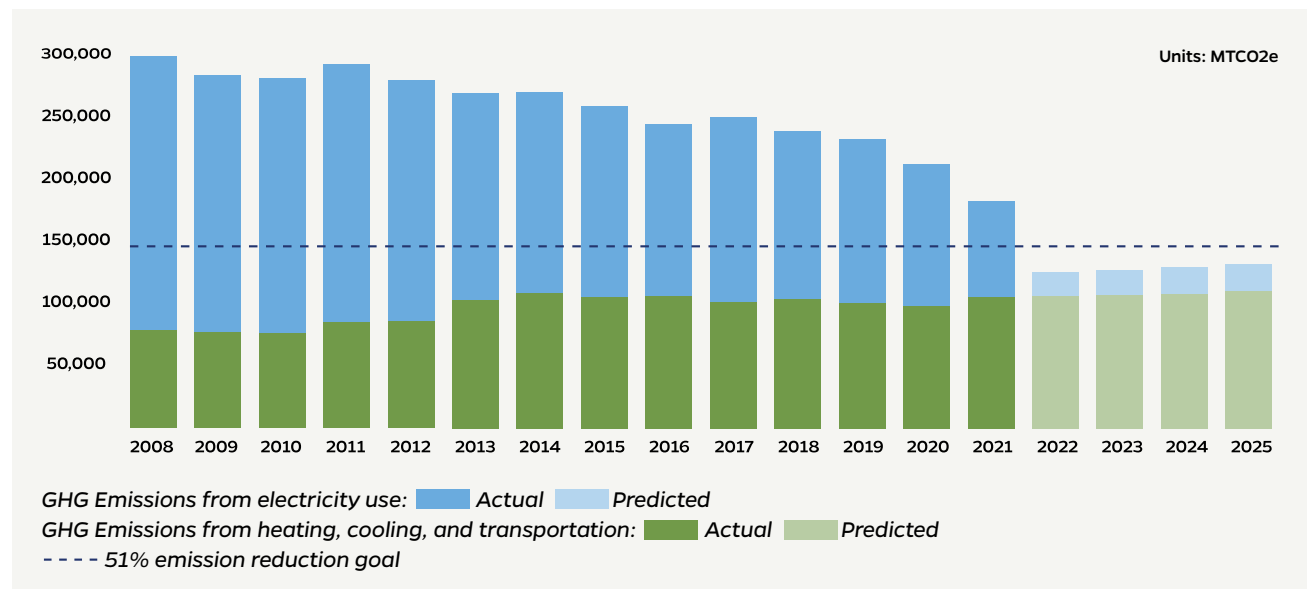
In addition to her research, Dr. Neff teaches courses at JHU on urban food environments, specifically looking at Baltimore food systems, and food system resilience to disasters like COVID-19 and climate change. She is also a Program Director at Johns Hopkins [Center for Livable Future](#) (CLF). CLF works to build a more equitable and resilient food system by tackling issues like food equity, food system resilience, and food waste, among others. “Wasting food means wasting all the resources that went into producing, processing, distributing, and preparing it, not to mention losing the nutritional and economic value of that food,” Neff says.

SECTION 2: CLIMATE ACTION

Climate change represents one of the greatest existential challenges facing humanity. Recognizing the need for responsible action, JHU has made reducing its greenhouse gas emissions an operational priority since the first President's Task Force on Climate Change in 2008. At that time, students, faculty, staff and administrators assessed and strategized pathways to reduce the university's carbon emissions, culminating in a 51% emissions reduction goal by 2025. Since then, JHU has invested proactively in its energy infrastructure and buildings to increase energy efficiency. These initiatives and others have resulted in a steady decrease in greenhouse gas emissions.

In 2019, JHU signed a Solar Agreement to source the majority of its electricity from solar energy from 2021-2036. The agreement will contribute to achieving JHU's carbon reduction goal by 2022, three years ahead of schedule. Now, as JHU works towards establishing a new Sustainability Plan, the university will build upon these successes to set a new, ambitious, and science-based climate mitigation target.

JHU is on Track to Reach Its Greenhouse Gas Emissions Reduction Goal Three Years Early



METRICS

14% reduction in
GHG emissions
since 2020

Equivalent to
taking **11,048 cars**
off the road

4 months before
JHU reaches its 51%
reduction goal

CLIMATE ACHIEVEMENTS

Launch of the Solar Agreement

In April 2021, JHU began receiving renewable energy certificates equivalent to 250,000 MWh of power annually, thanks to a 15-year Solar Agreement signed with Constellation, an energy supplier headquartered in Baltimore, MD. The agreement was the largest among any single university nationally at the time of its signing. Along with demand-side energy management and efficiency investments across the university, the agreement helps JHU meet its goal of reducing the university's greenhouse gas emissions 51% by 2025 several years ahead of schedule, while also meeting the international targets set by the United Nations Paris Climate Accord to limit global warming to 1.5°C.

500,000
Solar Panels

175 MW Capacity

79,000
MTCO₂e GHG
reduction per
year

Hands-on Sustainability Education



Dr. Scot Miller

The courses offered by JHU provide students with hands-on learning opportunities that enable them to gain a holistic understanding of complex issues surrounding sustainability and climate change. One course in particular, Case studies in climate change: A field course, taught by Assistant Professor Scot Miller, provides students with the opportunity to learn about the magnitude of climate change in Earth's history in a unique way. This interdisciplinary seminar course includes a week-long field trip to Eastern California where students are given the

opportunity to work hands-on, collecting field data and making observations. Assistant Professor Scot Miller states that “the overall goal of the course is to ‘connect the dots’ between paleoclimatology, contemporary climate change, and public policy.” Through classes like this one, students are given the opportunity to see their academic material in real life, helping them connect academic climate science and discussions of policy with real-world climate impacts.

Carbon Price Pilot Program

In 2020, JHU selected a range of carbon price signals to be included in several lifecycle cost estimates of major capital projects throughout the university. As part of a pilot program, JHU has used these examples to examine how inclusion of a social cost of carbon into lifecycle assessments can help JHU make environmentally responsible decisions. Following a literature review of trends in carbon pricing from SAIS graduate student and Office of Sustainability intern, Julia Comeau, the three price signals were chosen to reflect the range of prices associated with the externalized cost of emissions on society. Presently, JHU is a part of a cohort of universities led by researchers at Smith College that share lessons learned on carbon pricing initiatives at their schools. The goal of the cohort is to collectively improve research, tools, and analyses on the impacts of including a social cost of carbon in capital project decisions with the hope to expand its application in future years.

\$50/MTCDE Low Price Signal

\$90/MTCDE Moderate Price Signal

\$150/MTCDE High Price Signal

SECTION 3: ENERGY AND BUILDINGS

Energy consumption in buildings and campus operations represents the largest portion of the environmental footprint of the university. To reduce this impact, JHU implemented several initiatives aimed at improving the efficiency of campus buildings, including adoption of LED lighting projects and heating, ventilation, and air conditioning (HVAC) retro-commissioning. This year, JHU launched three unique initiatives that will contribute to improvements in energy efficiency, emissions reduction, and expanded sustainable design practices in buildings across all campuses.

1 Utility Management Software Implementation

In 2021, JHU began implementing a utility management software that track and aggregate utility data for all of JHU's campuses. Once the software is fully implemented this year, the university will be able to analyze utility data to find areas where efficiencies and improvements can be implemented, while improving data collection practices, increasing data quality and transparency, and enabling better reporting and dashboarding capabilities.

2 Development of High-Performance Healthy Building Guidelines

An interdisciplinary working group consisting of JHU students, staff, and faculty are working to create new green building guidelines to be implemented for all new JHU buildings and major renovations as part of the Sustainability Plan. These guidelines are currently being referred to as "High-Performance and Healthy Building Guidelines" and will include initiatives to reduce resource use

in buildings while prioritizing students, staff, and employee health and well-being.

3 Building Portfolio Analysis Performed at all Campuses

As part of the updated Sustainability Plan, JHU is partnering with consultants at Integral Group to conduct a building portfolio analysis that will establish a broad index of strategies to reduce energy consumption and greenhouse gas emissions throughout JHU's buildings stock. Using algorithmic computer models, the consultant will utilize JHU's building-level utility data to infer each building's characteristics before testing and prioritizing energy-efficiency measures, such as envelope upgrades and enhanced ventilation measures. This analysis will result in an actionable list of measures and initiatives to implement on each campus.

METRICS

Through FY21, conservation measures had an energy reduction equivalent to taking 33 single-family homes off the grid

302 buildings analyzed as part of the Building Portfolio Analysis

3 Freezer Competition Grants awarded to JHU Labs

Energy and Buildings Achievements

Expansion of the Green Labs Program

Laboratories are central to the research mission and academic goals of JHU. They are also energy and resource intensive—typically consuming 5 to 10 times more energy per square foot than office buildings. To address this, the Sustainability Leadership Council and Office of Sustainability jointly launched the JHU Green Labs Initiative to improve efforts to reduce energy consumption and waste in lab spaces. As a result, over 15 labs across JHU are in the process of acquiring My Green Lab certification, a leading sustainability certification program for laboratories that estimates the potential for energy reductions up to 30% for participants. Additionally, over the last academic year, JHU participated in its first International Freezer Challenge, an initiative designed to promote best practices in cold storage management that can result in significant cost savings and energy efficiency.



Students participate in Comparative Physiology Lab, a Biology lab class taught by Anna Coppola.

Energy Research: Launch of the Ralph O'Connor Sustainable Energy Institute

JHU is poised to contribute to solving some of the most complex issues of our time through our research and education. On April 22, 2021, building on existing research and programs related to sustainable energy, JHU announced the creation of the Ralph O'Connor Sustainable Energy Institute (ROSEI). ROSEI will help chart a new energy future and address the forces driving global climate change by focusing on the development and equitable implementation of sustainable energy technologies. In the fall of 2021, ROSEI launched five research initiatives on topics ranging from carbon capture to energy storage and sustainable energy education. Each initiative will benefit from the collaboration of researchers across the university to address energy topics holistically.

49 core and affiliated faculty

\$75M investment

5 research initiatives launched in the Fall 2021



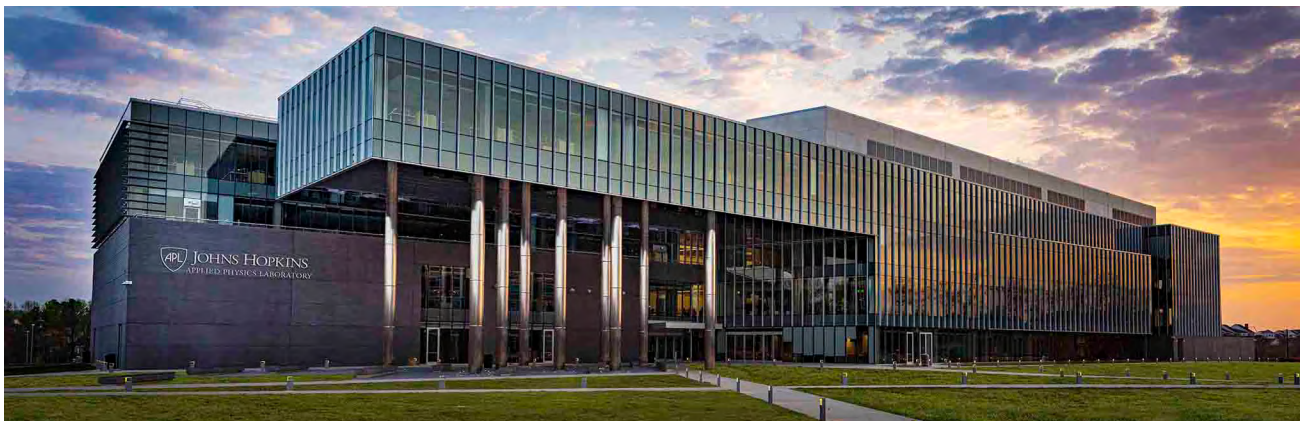
The Hopkins Student Center on Homewood Campus

Integrating Sustainability in the Design of the New Student Center

The Hopkins Student Center (HSC) is an example of the efforts and investments made by the University to integrate sustainability into major new construction projects across JHU. HSC will be located on the Homewood Campus at the gateway to Charles Village and is anticipated to open in fall 2024. HSC is designed to be the heart of student life on campus and includes spaces for relaxation and socialization, student engagement, and a variety of dining options. The project is targeting LEED (Leadership in Energy and Environmental Design) Platinum certification and supports the university's sustainability goals through features such as geo-exchange ducts, carbon capture concrete, mass timber construction, and connections to nature.

New Certified Building at Applied Physics Laboratory (APL)

In 2021, the Applied Physics Laboratory opened Building 201 (B201), a new facility on the Laurel campus. B201 provides APL with additional office and laboratory space and is currently in the final stages of completing its LEED certification. Many of B201's design features emphasize occupant health and well-being. Materials with improved indoor air quality impacts were selected when possible, such as GREENGUARD certified carpets and furnishing and finishes containing low volatile organic compounds (VOC) adhesives. The building's ventilation promotes healthy air flow while being energy efficient. Additionally, CO2 sensors were installed in high-occupancy, non-laboratory areas to allow for ventilation to be precisely adjusted to the occupation level of the space.



Building 201 at the Applied Physics Laboratory

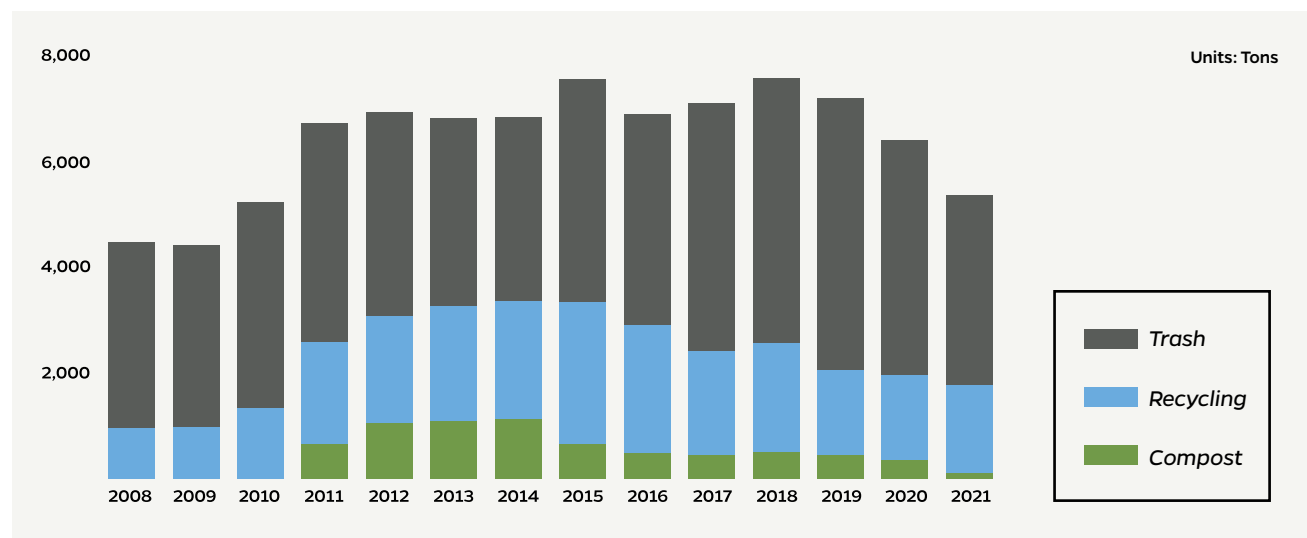
SECTION 4: WASTE REDUCTION

In 2021, the COVID-19 pandemic continued to disrupt usual operational processes of JHU, which impacted material tonnage, waste collection, and sorting. As students, faculty, and staff returned to campus in spring 2021, recycling and composting programs reconvened, although at reduced volumes.

In addition to this and other waste initiatives aimed at increasing diversion, JHU created a Waste Reduction and Recycling Manager position in 2020 with the objective of unifying processes between different campuses. This position will focus on establishing best practices and launch university-wide initiatives to be implemented at each campus over the next several years, ranging from behavior change to facilities management and procurement practices.

As the Sustainability Plan progresses, waste diversion and reduction will be a central topic for the university, building upon recent assessments to define ambitious goals and strategies to reduce JHU's waste.

JHU's Diversion Rate Remains Stable Despite Disruptions in Waste Processes



METRICS

32% waste diversion rate in 2021

16% drop in total waste tonnage from 2020 to 2021

Waste Reduction Achievements

Tracking and Reducing Construction Waste

Construction and Demolition (C&D) waste is generated from construction, renovation, repair, and demolition of buildings and is made up of materials such as wood, steel, metal, and asphalt. In 2021, the Office of Sustainability and the Johns Hopkins Facilities & Real Estate Design and Construction team developed and adopted a new policy to improve management of C&D waste on new projects and renovations. The policy requires C&D waste to be tracked on all projects, with a focus on increasing the percentage of C&D waste being recycled or reused within the institution or donated locally. It also requires all subcontractors to collect C&D data for their scope of work. If a building is pursuing green building certification it must have at least 75% of its C&D waste recycled. For other projects not seeking certification, JHU will be collecting and analyzing data to set appropriate goals in the future.

Intersection of Education, Design, and Sustainability

The Sustainable Design Practicum, a partnership between JHU's Department of Anthropology and the MICA Center for Social Design, is a year-long project-based course providing students with interdisciplinary sustainable design training. During the 2020-21 academic year, 12 graduate and undergraduate students from JHU and MICA worked together with two Black-led environmental justice organizations in Baltimore on collaborative projects in sustainable design. One team collaborated with the Baltimore Compost Collective on working to scale up their community-based composting work in the city, while another team collaborated with the Black Yield Institute to explore possibilities for community-based aquaculture development on the Middle Branch shoreline.



Students visit the South Baltimore Community Land Trust

Reducing Waste in Labs

Over the last several years, the Office of Sustainability, in partnership with Kimberly-Clark, launched a lab glove recycling program in the Undergraduate Teaching Labs (UTL) on the Homewood campus. After collecting lab gloves for recycling at UTL throughout 2019, the program was expanded to include additional research labs with the support of the Homewood Recycling Office, and a PhD candidate in Ostermeier Lab, Ryan Weeks. The lab glove recycling program will be made available to all remaining eligible labs in Croft Hall in spring 2022. This program is an initiative undertaken by JHU to address difficult-to-recycle items that are byproducts of university research.



Professor Eric Johnson's biochemistry project lab

SECTION 5: TRANSPORTATION

JHU has made significant progress on reducing the environmental impact of its fleet over the past year. The Office of Transportation Services and the Sustainable Leadership Council's Green Fleet Working Group have focused on electrifying JHU's vehicles and expanding the use of carbon pricing in vehicle purchase assessments. In addition, JHU encourages students, staff, and faculty to use local, alternative transportation options by providing information on commuting programs like transit subsidies, carpool matching programs, and bicycle share options.

Expanding Sustainable Transportation

Homewood-Peabody-JHMI Shuttle Route Electrification

Over the 2020-21 academic year, the Green Fleet Working Group within the Sustainability Leadership Council contributed to the request-for-proposal process for the new Homewood-Peabody-JHMI bus service contract. This process included an assessment comparing newer diesel to electric vehicle options by using a carbon pricing analysis to estimate the externalized social cost of carbon over the life of the contract. The analysis culminated in a multiyear plan to modernize the entire Homewood-Peabody-JHMI shuttle route fleet, transitioning the shuttle fleet to all electric buses by 2026. Full conversion of the bus fleet to electric vehicles will significantly reduce JHU's greenhouse gas emissions associated with transportation, while improving regional air quality and lessening noise pollution impacts on local communities.



A Blue Jay shuttle on the Homewood-Peabody-JHMI route

Facilitating Public Transportation at APL

APL, located in a suburban area where public transit is less readily available, has been focusing on developing alternative modes of transportation for its staff and visitors. Teaming up with industry providers such as Waze Carpool and Enterprise Vanpool, APL now provides extensive car and van pooling options. Additionally, APL has initiated a dedicated shuttle bus service between its campus and the Laurel MARC station, linking the commuter rail which serves the Baltimore to Washington D.C. corridor. Those programs have been maintained throughout the pandemic and activity has increased as staff return to the office.

Fully Electric and Hybrid Electric Vehicle Grants

To encourage the use of low-carbon transportation alternatives, the Office of Transportation Services launched a new grant program in FY22 to encourage the purchase of electric and hybrid vehicles. As of this fiscal year, departments can now apply for grants up to \$5,000 to help cover the cost premium of electric and hybrid cars, trucks, and vans over traditional single combustion engine vehicles. Fully electric or hybrid electric cars that are registered or titled by JHU are eligible for these grants, and interested parties should visit the Transportation Services [website](#) for additional information. This initiative is part of the university's move to incentivize departments to purchase low emissions vehicles, in addition to its broader fleet-based efforts.

SECTION 6: ENGAGEMENT

The Office of Sustainability and its campus partners have worked collaboratively since 2008 to develop holistic engagement programs that promote environmental literacy and sustainable behavior change amongst faculty, staff, students, and alumni. The opportunities for the university community to engage with the Office of Sustainability are diverse. Whether as a student employee of the expanded sustainability internship program, a faculty or staff member pursuing Green Lab certification, or a faculty partner on a Sustainability Plan committee, the contributions of the entire JHU community are essential to the continued success of our sustainability programs and provide stakeholders with the opportunity to meaningfully impact policies and programs across the university.

Development of a New Sustainability Website

Office of Sustainability staff, in partnership with members of the Sustainability Leadership Council, have embarked on a rebuild of the [JHU sustainability website](#) with a local design firm, Fastspot. Set to launch in summer 2022, the new website will provide university-wide information on operational, academic, research, and engagement efforts. A goal of the new website is to create a site that represents the university as a whole. To achieve this, the website will feature several new components, including a “news” aggregation page with integrated Hub articles and a “people directory” highlighting researchers across a myriad of academic disciplines. The new site will serve as the primary home for all JHU sustainability information for both internal and external stakeholders and significantly expand the university’s sustainability web presence.

Launch of the Student Intern Cohort

In an effort to broaden opportunities for students to contribute to JHU’s sustainability efforts, the Office of Sustainability has restructured its internship program into a new cohort model that allows student interns to contribute to projects as part of collaborative teams. Internship focus areas include Communications, Engagement, and Research + Operations.



Student interns participate in a sustainability event

Internship Project Highlights

- **Homewood Campus GIS Sustainability Maps:** The [Homewood Sustainability GIS Map](#) and accompanying [StoryMap](#) were published in spring 2021 and serve as visual resources to teach the JHU community about built environment sustainability efforts on the Homewood Campus. Undergraduate intern, Kylie Poe, a senior in KSAS majoring in Environmental Science, contributed to the two projects. “These two resources are so special because the GIS map shows the JHU community that many sustainability efforts are already in place across the Homewood campus, and the StoryMap helps provide more in-depth information and imagery.

I hope these resources will inspire and excite people about sustainability to foster further improvements on our campus.”

- **Sustainable Dining Practices**

Benchmarking: In 2022, JHU will shift to a self-operated dining program on the Homewood Campus, which serves the majority of undergraduate and graduate students. This transition will give JHU more ownership over its dining program, including in managing its sustainability efforts. In fall 2021, two student interns, Kathy Cao and Preethi Kaliappan, benchmarked 13 peer universities, summarized best practices, and made impactful and actionable recommendations on a broad range of topics including waste reduction practices, menu design, and energy-efficient dining facilities that are now being used for consideration in the Sustainability Plan’s goal-setting process.

- **Environmental Well-Being:** Environmental surroundings have a significant impact on the mental and physical health of JHU students. To demonstrate this connection, in spring 2021, intern Giselle Dior Bourelly and former-intern and JHU alum, Anjali Kashyap, developed an Environmental Well-Being Initiative framework, which has led to several continued projects between the Office of Sustainability and the Office of Student Health and Well-Being. These collaborations include: a blog post, “Dealing with Anxiety about Climate Change”, by Kylie Poe, “Wellness Walks” planned for spring 2022 led by Romina Rojas, and a series of Instagram reels showcasing JHU’s natural spaces by Rachel Huang. Another intern, Talia Shadrui, has also incorporated this topic into her outreach work with Residential Life and the Office of Admissions.

Recognizing Sustainability Champions Across the University: The Green Blue Jay Awards

The Green Blue Jay Awards is an annual celebration of the students, faculty, staff, and alumni who practice, embrace, and advance sustainability within the JHU community.



Dr. Kellogg Schwab

A number of individuals are recognized each year during a celebratory event, as a way to pay acknowledge the contributions of those who continue to help advance sustainability throughout the university. One prestigious

award given each year is the “Sustaining Champion,” which is given to a member of the JHU community who has demonstrated an unwavering commitment to environmental sustainability and has pushed the institution forward in its work to ensure healthy and safe environments for all. On Earth Day 2021, the Office of Sustainability recognized Dr. Kellogg Schwab, the Abel Wolman Professor in Water and Public Health in the Environmental Health and Engineering Department and the Founding Director of the JHU Water Institute, as a 2021 Sustaining Champion.

For more information, visit: sustainability.jhu.edu



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