Green Scene

Sustainability Bulletin

Photo by Jenna Bessette
Summer 2018 Sustainability Intern
Location: Heritage Garden
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Pictures from Green Your Commute Day on May 18. Top: Courtney and Bridget from the Dewey Library are our winners of the social media #GYCD18 contest! Bottom: The Office of Sustainability hosted two check-in tables at the University and Dewey Libraries.
Going Green Globally (G3) is an annual award-winning program for first year MBA students that is organized by Dr. Linda Krzykowski and Dr. Paul Miesing in the School of Business. Students are partnered with local organizations and charged with researching and recommending sustainable solutions to solve 21st century problems. For twelve days, they are immersed in the clients' management of their organization, marketing initiatives, infrastructure, employee engagement, technologies and more. The G3 presentations took place on May 16, 2018.

Program Organization:
1. T-CELLS: Each team is assigned a coach to consult with and develop a strategy throughout G3. They also have access to executive life lines who are experts in sustainability, science, policy, etc.
2. Faculty: Faculty from within the School of Business can assist students on G3 research.
3. Partner Faculty: Faculty from Atmospheric Sciences and SUNY Polytechnic Institute teach students about the science underlying the innovation within their companies.
4. Guest Presenters: Local experts in industry and the government help critique, evaluate and provide feedback on projects.

Each year, UAlbany is presented as an exemplar case study for the students to illustrate effective sustainable interventions and practices. In addition to this, Director Mary Ellen Mallia and Energy Manager Indu, provide feedback on student presentations and give advice on recommendations.

Check out the team's recommendations for their clients on the following pages.
Guilderland Public Library

Team: Dane Consulting
Coach: Kim Phelan & Raj Kauer

- Expand solar PV system
- Install EV charging stations
- Targeted education around printing and water use behaviors
- Establish a farmer’s market

STS Steel

Team: Planeteers
Coach: Guy Alonge

- Add “Sustainability” tab to website
- Seek clientele who support the use of sustainable products and building practices
- Partner with local welding schools and community colleges

JCC of Schenectady

Team: More Life
Coach: Steve Lobel & Jerilee Beaudoin

- Upgrade roof and implement solar PV system
- Improve sustainable pool management and water use practices
- Digitize documents
- Organics composting

KeyBank

Team: Sustainable Future Alliance
Coach: Anthony Brennan & Ann Finnegan

- Install heat-reducing window films and occupancy light sensors
- Master power switches for devices
- “Use the Green Key” behavioral and operational change educational program
Integrating sustainability

**Adirondack Beverages**
*Team:* Strategic Solutions  
*Coach:* Mark Boucher

- Switch from a diesel operated to electric fleet  
- Explore renewable energy sources for electricity production  
- Expand the comprehensive recycling plan to the corporate offices

**New York Power Authority**
*Team:* The Green Machine  
*Coach:* Cedric Carter

- Improve NY Energy Manager (digital dashboard) to be user friendly  
- Install sub-meter sensors in state buildings  
- Establish a more efficient and informative dashboard training for NYPAs clients

**Northern Rivers**
*Team:* So Fresh & So Green  
*Coach:* Mike DeAcenitis & Bob Shevy

- Switch from a gas operated to electric fleet  
- Renegotiate contract for electricity supply source  
- Retrofit LED lights to replace outdated fluorescent tubes

**Woodland Hill**
*Team:* The Green 7  
*Coach:* Peter Bannigan

- Implement a recyclable system of hygienic bathroom towels  
- Plant trees to educate children about environmental sustainability  
- Transition to an electronic library
Going Green Globally by the Numbers

- **2007**: First year Going Green Globally was offered.
- **13 Days of G3 annually**.
- **60,000+ hours students have committed over 10 years**.
- **2,600+ cups of coffee consumed in 13 days by students, clients, coaches, and professors**.
- **7 NUMBER OF STUDENTS WHO RODE ON GARBAGE TRUCKS AT 4:00 A.M. TO RESEARCH A CONSULTING PROJECT**.
- **56 GREEN CONSULTING PROJECTS**
- **37 ORGANIZATIONS ADVISED BY MBA TEAMS**
- **$100,000**: Net benefit per team: savings or revenue enhancements.
- **50**: Projects serving municipalities.
- **5 Projects serving municipalities**.
- **$65,000**: What participating organizations said they’d pay for the work performed by the G3 teams in 2017.
- **Projects serving theaters. The show will go on.**
- **50% G3 funding from National Grid in 2017. Walking the talk of clean energy.**
- **2 SCHOOL OF BUSINESS PROFESSORS**: who created and run G3: Assistant Vice Provost for Student Engagement and Clinical Professor of Business Dr. Linda Krzykowski and Management Professor and Director of the Center for Advancement and Understanding of Social Enterprises Dr. Paul Miesing.
- **1 Hotel rated “green” as a result of G3 initiatives. It’s more than hanging up your towel.**
- **$1.97 MILLION**: Projected savings of New York Power Authority G3 project for SUNY campuses.
- **16 REPEAT CUSTOMERS**

Source: https://www.albany.edu/business/G3-Profit-and-Planet-10-years-of-Responsible-Business-Practices.php
The University at Albany recently installed 3 brand new dual port electric vehicle stations. These new stations are available to the general public and free for UAlbany employees and students. Download the EVConnect mobile app to register your vehicle and search for available ports.

Their approximate locations are:
1. Parking & Mass Transit Services Building (1 station, 2 charging ports)
2. Indian Quad Visitor’s Lot (1 station, 2 charging ports)
3. Physical Education Building (1 station, charging ports)

These new EV stations are on the **EVConnect** Network, whereas the older stations located in the Visitor’s Lot (1 station, 2 charging ports) and Thurlow Lot (1 station, 2 charging ports) are run on **Chargepoint**.

Find a charging station [here](#).

**Benefits of Electric Vehicles**
- Reduces greenhouse gas emissions and associated impacts on air pollution and asthma
- Decreases run-off contamination of our land and water
- Increases energy security
- Improves fuel economy
- Lowers fuel costs
Are you thinking about purchasing an electric vehicle? Take advantage of two rebate programs that are currently available.

New York State Drive Clean Rebate

Governor Cuomo’s Charge NY initiative is offering electric car buyers the Drive Clean Rebate. You can find an overview of eligible vehicles [here](#).

<table>
<thead>
<tr>
<th>Drive Clean Rebate for Electric Cars</th>
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<tbody>
<tr>
<td>The Drive Clean Rebate depends on the EPA all-electric range for that car model.</td>
<td></td>
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<tr>
<td>› 120 miles</td>
<td>$2,000 off</td>
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<tr>
<td>40-119 miles</td>
<td>$1,700 off</td>
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<tr>
<td>20-39 miles</td>
<td>$1,100 off</td>
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<tr>
<td>≪ 20 miles</td>
<td>$500 off</td>
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<tr>
<td>EV with MSRP ≪ $60,000</td>
<td>$500 off</td>
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</tbody>
</table>

Federal Tax Credits for All-Electric and Plug-in Hybrid Vehicles

All-electric and plug-in hybrid cars purchased in or after 2010 may be eligible for a federal income tax credit of up to $7,500, based on the capacity of the local battery used to power the vehicle. Find out how much you can receive [here](#).

Use the Vehicle Cost Calculator to compare lifetime ownership costs of individual models of different cars [https://www.afdc.energy.gov/calc/](https://www.afdc.energy.gov/calc/)
The National Science Foundation (NSF) recently awarded $1.3 million to support faculty research in the Department of Atmospheric and Environmental Sciences. In the past year, DAES has been awarded 10 grants worth approximately $9 million from national research agencies.

Brian Tang and Kristen Corbosiero
Tang, an assistant professor, and Corbosiero, an associate professor, are investigating the effects of ventilation, a flux of cooler, drier air, into tropical cyclones. Past research has found that this air exchange generally impedes tropical cyclone intensification.

Paul Roundy
Roundy, an associate professor, is aiming to explain how background winds alter the trajectory of rainfall in the tropics. Large regions of rainfall are frequent in the tropics and typically move slowly eastward around the world. By better understanding the influence of background wind patterns on this rainfall, meteorologists can more accurately forecast when and where these storms will occur.

Christopher Thornicroft
Collaborating with Sharanya Majumdar from the University of Miami, Thornicroft, DAES department chair and full professor, is examining why some African disturbances develop into Atlantic tropical cyclones, while others do not. The research will provide information to support forecasting of tropical cyclogenesis.
Mathias Vuille
Vuille, a full professor, is collaborating with the Lamont–Doherty Earth Observatory of Columbia University, the University of California, Irvine, and researchers in Argentina to develop a tree-ring network for the tropical Andes Mountains in Peru and Bolivia. The tree-ring data will be used to reconstruct climate variability for the past several hundred years, highlighting how volcanic eruptions, the South American monsoon, and other extreme weather have affected climate in the region.

From left to right: DAES Chair Chris Thornicroft, Kristen Corbosiero, Brian Tang, Paul Roundy and Mathias Vuille.
Join us on **Friday, June 22th, 2018** at **noon** by turning off your lights for a single hour! Offices all over the world will turn off their lights in day-lit spaces for one hour to raise awareness about the role daylight can play in illuminating our offices and reducing our environmental footprint!

*If your office doesn't have windows, take your lunch outside!*
Social Media Competition:
Post a photo on Facebook of your office daylighting at noon and tag the UAlbany Green Scene and #DaylightHour to be entered into a raffle to win Cider Belly Donuts!

Here are some photo entries from our social media competition for Daylight Hour 2017.
Below are the Spring 2018 Terra Awards recipients who were recognized at the Campus Clean Up Luncheon on April 24. These individuals have displayed dedication to advancing the sustainable culture at UAlbany through curriculum, operations, research and engagement. Nominations are submitted by fellow colleagues and peers each semester. VP of Finance & Administration, Todd Foreman, presented the awards to the recipients.

**Faculty: Dr. Catherine Lawson, Department of Geography and Planning**
Dr. Lawson demonstrates a strong passion for integrating sustainability into the classroom. She provides applied learning opportunities for her students using real data in her undergraduate and graduate courses. In addition, Dr. Lawson’s research interests include urban transportation system, healthy infrastructure, water and hazardous materials transport, land use, and GIS applications.

**Staff: Mike Vadney, Facilities Management**
Mike has been a key player in every aspect of operational sustainability on campus. He was instrumental in setting up the recycling infrastructure and signage at the residence hall trash rooms last year. He worked on establishing a waste infrastructure including compactors in the Campus Center to divert waste from landfill. He made the installations of 3 new Electric Vehicle Charging Stations on campus a reality. He persistently advocated for campus electrical system upgrades for efficiency, reliability and resiliency and was able to convince upper management to invest in the project. He is currently assisting with several Energy Master Plan projects including the Combined Heat and Power Plant project and the solar PV project.

View previous Terra Award recipients at: https://www.albany.edu/gogreen/5.Past_Terras.shtml
Student: Archer Shurtleff, Freshman
Archer has taken over the leadership of our Food Recovery Network. He has been the liaison with Sodexo, making sure that teams of students are available to wrap up the food that can be donated to the Food Bank at Indian Quad. This is notable since he is a freshman and without his leadership, this program could have faltered. Archer is a member of the LLC World of Community Service and recently joined the newly formed Sustainability Leadership Council.

Each spring, students are recognized for their extraordinary leadership, service, academic achievement and involvement within the University community. Two of our sustainability seniors were honored at the 2018 President’s Award for Leadership ceremony.

Presidential Leadership Award in Sustainability: Aggie Pljanowski - UAlbany Eco-Rep and UAlbany Students for Sustainability Vice President. Pictured with Dr. Christakis and President Rodriguez.

Outstanding Senior Award: Madison Corbell - Intern for the Offices of Sustainability and Energy Management and the Albany County Stormwater Coalition. Pictured with Indu (Energy Officer) and President Rodriguez.

The Green Dane Cup is a year-long competition among on-campus living areas, measuring performance in sustainability-related campaigns and events. This year’s champion is Alumni Quad!
Sustainability Coordinators

The Sustainability Coordinators program gives university employees the opportunity to work with the Office of Sustainability on various Green Scene initiatives. All coordinators complete a training and agree to serve as the point person for sustainability matters. Coordinators have access to specialized professional development opportunities in the field of sustainability.

The following divisions/departments are unrepresented on our committee. If you wish to serve, please email gogreen@albany.edu.

- President’s Office
- Athletics
- Research
- Development
- Government/Community Relations
- School of Business
- Criminal Justice
- CEHC
- CEAS
- School of Public Health

Green Workspace Challenge

The Green Workspace Challenge is a voluntary program for faculty and staff to self-report sustainable practices in the workplace. If you are interested in becoming Green Workspace Certified, you can email gogreen@albany.edu and find out more information here.

*Congratulations to our newly certified offices, the Center for Achievement, Retention and Student Success (bronze) and the PULSE Lab (bronze).*

Summer Reading Club

The Office of Sustainability is hosting a discussion course this summer. The book was chosen from the Northwest Earth Institute and is titled, “A Different Way: Living Simply in a Complex World.” If you wish to participate, we will host the discussion every other Thursday at noon. Please email gogreen@albany.edu if you wish to participate before June 18 as the Office of Sustainability will be purchasing the electronic books. If you wish to learn more about the chosen discussion course, please view a synopsis here. Meeting dates are: June 29, July 5, July 19, August 2, August 9, and August 30, with September 6 as the make up date. If you attend 5 or more sessions, you will receive a Certificate of Completion from the Northwest Earth Institute and an item of accomplishment you can add to your performance plan! Participation is free!
Students

Fall 2018 Internships with the Office of Sustainability

◊ **Composting Intern:** The Office of Sustainability is seeking one motivated and energetic intern to assist with Office Composting Program. Student may obtain 1-2 academic credits through the Community and Public Service Program. Please email gogreen@albany.edu if you are interested!

◊ **Communications Intern:** The Office of Sustainability is seeking an intern to assist with the promotion and communication of sustainability engagement programs and initiatives for the **2018-19 academic year**. The intern must work a minimum of 12-15 hours weekly and can receive internship credits through the Department of Communication. Please email gogreen@albany.edu if you are interested.

◊ **Recycling Coordinator:** The Office of Sustainability is seeking an intern to coordinate recycling efforts and education at athletic events, including, but not limited to football and basketball games. Student can receive 1-2 academic credits through the CPSP program.

**Eco-Rep Program**
The Eco-Rep program uses a team-based approach to enhance awareness and engagement in campus sustainability projects. The course focuses on developing skills through five workshops and then students can apply them to a project of their choice including, but not limited to waste reduction, energy conservation, awareness around local food, food reduction and insecurity, alternative transportation, and environmental stewardship.

*Eco-Reps can take 1 CPSP credit for their 1st semester. If they wish to continue onto an optional 2nd semester, they can take 2 credits.*
Discover the Albany P

Albany Pine Bush Big Birding Day
June 8-9, Albany Pine Bush Preserve Discovery Center
Want to get involved in a local citizen science project? Sign up for the Pine Bush Big Birding Day. Teams will register and bird together for 24 hours from 7 pm on Friday through 7 pm on Saturday, trying to observe as many bird species as possible. Each team will be self-guided. This program is free, but you must pre-register here.

Historic Trolley Tour of Albany Pine Bush Preserve
June 16 from 9-11 am, Albany Pine Bush Preserve Discovery Center
Join Albany Pine Bush staff and local historians for a 2-hour ride through the Albany Pine Bush Preserve. You will hear about the people, places and stories that once filled the area. You must pre-register here.

Science Lecture Series: Saving the Pine Bush
June 21 from 6:30-8:30 pm , Albany Pine Bush Preserve Discovery Center
Learn about Save the Pine Bush’s efforts to protect and save the Albany Pine Bush. Founding member Lynne Jackson will describe how volunteers worked together, using the legal system and the State Environmental Quality Review Act to stop development in the Pine Bush. The event is free, but you must pre-register here.

Citizen Science: National Butterfly Count Training
June 27 from 7-8:30 pm , Albany Pine Bush Preserve Discovery Center
The North American Butterfly Association has run the Butterfly Count Program in the US, Canada and Mexico since 1993. The data collected has provided a tremendous amount of information to help scientists monitor changes in butterfly populations, and the effects of weather and habitat change on North American Butterflies. The official count is on July 4. The program is free, but you must pre-register here.

Firefly Full Moon Hike
June 28 from 8:30-10 pm, Albany Pine Bush Preserve Discovery Center
Fireflies are an essential part of a summer evening in the Northeast. Join Pine Bush staff and community members on this evening hike under the full moon. The hike will be approximately one mile and is for ages 10+. The event is free, but you must pre-register here.
Karner Blue Butterfly Walk
July 7 at 11 am, Albany Pine Bush Preserve Discovery Center
Have you seen the endangered Karner blue butterfly? Join Albany Pine Bush Preserve staff on a 0.9 mile hike to see the Karner blue butterfly. Once common in the Glacial Lake Albany sand belt, the Karner blue has plummeted in numbers over the last 40 years and is now listed as a federally endangered species. The event is free, but you must pre-register here.

Invasive Species Work Day
July 11 from 9-11 am, at the Albany Pine Bush Preserve Discovery Center
Celebrate NYS Invasive Species Awareness Week by helping to remove invasive honeysuckle at the Albany Pine Bush Preserve. The event is free, but you must pre-register here.

Protecting Biodiversity in our Backyards
July 11 from 6:30-7:30 pm, Albany Pine Bush Preserve
Learn how to protect local biodiversity starting in your back (or front) yard! Everyone can play a role in helping the future survival of native species through sustainable landscaping choices. This is event is free, but you must pre-register here.

Science Lecture Series: Recovery efforts for the endangered Karner blue butterfly
June 19 from 7 pm, Albany Pine Bush Preserve Discovery Center
Learn about the conservation and recovery efforts to preserve the Karner blue butterfly population at the Albany Pine Bush.
1. What year did you graduate? May 2016
2. What was your major/minor? I majored in Informatics with a concentration in UI/UX Design and minored in Art.
3. What was your co-curricular and student organization involvement on campus? I started in UAlbany Students for Sustainability freshman year, which led to the Student Sustainability Council, which led to UAlbany Outdoors and many more leadership and sustainability-focused groups. I also interned in the sustainability office as the Marketing and Communications Intern an was the Community Leader for the LLC World of Environmental Sustainability.

4. What are you doing now? Where do you live? I am currently serving with AmeriCorps at Green Mountain Farm-to-School in Newport, Vermont.
5. How have you applied your experience with the sustainability movement on campus and involvement with the Office of Sustainability into your post-college life and career? My experiences with the sustainability movement and the Office of Sustainability provided me with endless opportunities in leadership, diversity, and community development. My involvement led me into a path focusing more on education and agriculture verses the tech career I thought I was going into. I've been able to find so many passions, such as hiking, gardening, and understanding food systems that without my involvement in college, I wouldn't be doing these things I am today.

The Office of Sustainability is proud of the successes of our sustainability alumni! They were essential in the early stages of the sustainability movement at UAlbany and have shaped where it is now. Take a moment to read about them in our “Sustainability Alumni Spotlight” section of the Sustainability Bulletin each month.