

#stopsucking: Leveraging Coalitions to Turn a #strawlesssummer into an Endless Summer

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Background

- 630,000 straws are used daily in Charleston (Healthy Human Website).
- 500,000,000 straws are used daily in the US (Healthy Human Website).
- CofC Strawless Week was modeled after the Strawless Summer Campaign, part of the Skip the Straw Movement and #StopSucking.
- The Strawless Summer Campaign runs annually Memorial Day through Labor Day.
- This Campaign involves local branches of national organizations such as Surfrider, Lonely Whale, and 5 Gyres Institute in partnership with local groups including: The Greater Charleston Restaurant Association, Charleston Bartenders Guild, and Plastic-free Lowcountry to take a stand against single-use plastic.
- Participating Charleston restaurants pledged to provide straws only upon request.
- The Office of Sustainability's (OoS) 71% Project sponsors a Lead Intern/academic year, who focuses on waterway conservation issues, specifically microplastics and sustainable seafood. This Project was deemed an effective vehicle by which to contribute to this Campaign and engage college students in response to a larger student-led movement to eradicate single-use plastics on CofC's campus.



Images 1 and 2. These posters were used to promote and educate during CofC's Strawless Week 2018. The poster on the left outlines how to properly recycle a cold beverage cup with a straw. On the right, the custom-designed poster for CofC's Strawless Week is shown.

- This initiative addresses the Five Pillars of Sustainability (Personal, Social, Economic, Political, and Environmental) and aligns with the 71% Project's Mission: "To raise awareness in the CofC community and greater Charleston area about how human activities affect the waterways and how to mitigate negative impacts on a local and global level."
- "The presence of microplastics in coastal ecosystems also has implications that reach far beyond potential hazards for marine wildlife. Microplastics in the environment can impact ecosystems, economies, and human health. As the population in coastal areas grows and these regions become more developed, there is a potential for their ability to provide valuable ecosystem services to become compromised" (Gray et. al., 2018).

Aims

To bring awareness and to encourage a behavioral shift in single-use plastic straw use on CofC's campus by providing CofC Students, Faculty and Staff with a reusable stainless steel straw and brush to use for their cold beverages. This pilot project was geared toward helping CofC reach its goal of going zero waste by 2030 (CofC Green Plan).

Approaches

- Started writing proposal and contacting partners in June 2018
- Project required approval from OoS Leadership, Aramark, CofC Dining Services, and Starbucks
- Event format: Distribute free reusable stainless steel straws and straw cleaners for an entire week (Monday-Friday) by tabling outside the Starbucks location on CofC's campus (Addlestone Library) during peak business hours (9 am- 1:30 pm)
- Submitted a budget to the OoS for approval
- 1,200 reusable stainless steel straws were purchased from EcoManiac
- Tables equipped with information and volunteers were positioned outside Starbucks
- During tabling, 1,170 participants pledged not to use single-use plastic straws in the future
- Single-use plastic straw diversion was tabulated

Outreach and Engagement

- Promotional materials were designed by the outgoing OoS Media Manager and Lead Graphic Designer and were shared on different social media platforms and around campus (Image 2).
- Based on historical Starbucks sales data (C. Loughren, pers. comm. 2017), 1,200 stainless steel straws were purchased from EcoManiac (Table 1) to meet the average weekly demand.
- Event marketing commenced five days prior to the kickoff (Images 4 and 5).
- Student organization volunteer sign-up sheet was created to ensure tabling coverage.



Image 3. CofC Strawless Week information cards with sponsors supplied by EcoManiac.

Results

- On Facebook, the post reached 7,481 people and 388 people reacted, commented, and shared the post (Images 4 and 5).
- Strawless Week organically exceeded the Reach of a comparable sponsored (Boosted) post due to the hype of this event.
- The reach was further expanded via word of mouth.
- 1,136 straws were distributed to students during the event (total = 1,200).

STUDENTS	FACULTY	STAFF	TOTAL
1136	11	23	1200

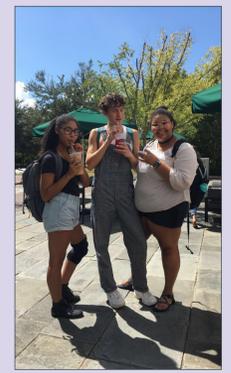
Table 1. The number of CofC Students, Faculty, and Staff who participated in CofC's Strawless Week, as evidenced by stainless steel straw distribution. Thirty straws were set aside for AASHE 2018.



Images 4 and 5. Screenshots of Facebook performance data. The first post was published five days before kickoff. These data show the number of people reached. (Not captured: Third party reposts + reach and engagement on other social media platforms.)

Challenges

- Hurricane Florence's visit to the East Coast forced the postponement of this event that was months in the making.
- Some CofC Starbucks customers complained about not having access to the plastic straws.
- The stainless straws were in high demand! To mitigate the unexpected daily demand, the number of straws distributed per day were capped to ensure tabling could occur every day.
- Securing reliable volunteers from all the sponsoring organizations



Images 6 and 7. Students enjoying their reusable straws during Strawless Week 2018.

Future Directions

- Continue this initiative every semester.
- Advocate for CofC to go single-use plastic straw-less!
- Order more straws for future events, or sell them at a discounted rate.

References

Gray, A. D., Wertz, H., Leads, R.R., and Weinstein, J.E. (2018). "Microplastic in two south Carolina estuaries: Occurrence, distribution, and composition." *Marine Pollution Bulletin*. Vol 128: pg 223-233.

Healthy Human. Web. Retrieved from <https://healthyhumanlife.com/pages/strawless-summer>.

Acknowledgements

Office of Sustainability: Interns and Staff for assistance in project execution and presentation preparation and for the AASHE Travel Award and Internship; ECOLlective Fund for straw purchase; on-campus partners for authorization and outreach assistance (Image 3), including Christina Loughren from CofC Dining Services, Ally Hopper from GoPure Pod, and Brittani Biederman from Healthy Human.



Poster Session Listing by Last Name

Poster #	Title	Category	Primary Track	Pres. #1 First Name	Pres. #1 Last Name	Pres. #2 First Name	Pres. #2 Last Name	Pres. #3 First Name	Pres. #3 Last Name	Pres. #4 First Name	Pres. #4 Last Name
89	Optimizing Sustainability Over a Building's Lifecycle	OP	Buildings	Mary	Acciani						
132	Pollinator Protection: Save the Monarch Butterfly!	OP	Grounds	Brent	Adrian						
174	Resiliency: A Platform for Institutional Change, Case Study Cal State University San Bernardino	P&A	Coordination & Planning	Jennifer	Alford	Jennifer	Sorenson				
1	Academia as a Platform for Student Sustainability Action on Campus and in Your Community	AC	Curriculum	Ward	Allebach						
68	What Does a Tree Have to Do with Interior Design?	EN	Public Engagement	Emily	Andreasson	Alexa	King				
83	Examining Data from Across Higher Ed: Does a Commitment Drive More Progress?	OP	Air & Climate	Jennifer	Andrews						
118	Building a Meal Sharing Program	OP	Food & Dining	Jason	Arnett	Claudia	Martin-Ayoade				
101	Turning Energy Challenges into Solutions at Higher Education Facilities	OP	Energy	Marc	Aronson	Bob	Belyea				
36	If I Can Market Manure, You Can Market Anything	EN	Campus Engagement	Kayenat	Aryeh						
175	Using the Analytical Hierarchy Process to Perform a Materiality Study on the SDGs	P&A	Coordination & Planning	Matthew	Ashcroft	Liesel	Schwarz				
116	A Multi-Method Approach to Increasing Campus Diversion	OP	Waste	Jennifer	Asman						
117	Green Dining at Georgia State University	OP	Food & Dining	Jennifer	Asman						
102	Estimating the financial feasibility and technical potential for solar PV on all U.S. schools	OP	Energy	Ines	Azevedo						
2	Backcasting to the Future: SDGs and Graduate Research	AC	Curriculum	Krista	Bailey						
77	Solar and Sheep Grazing - Is it for Ewe?	EN	Public Engagement	Laura	Bain	Hannah	Dailey				
69	Lifting up the UN SDG's in Pennsylvania: The Power of the Penn State Sustainable Communities Network	EN	Public Engagement	Ilona	Ballreich	Peter	Boger	Angela	Fishman		
119	Estimating Greenhouse Gas and Water Reduction Through Food Labeling at a University Dining Facility	OP	Food & Dining	Lucy	Baron						
183	Sustainability Week: A Case Study in Diversity of Programing to Maximize Outreach Across Barriers	P&A	Campus Engagement	Adrian	Barry	Ashley Lynn	Lavender				
37	Graduate Students Implement Sustainability During a Short Academic Window: Case Study Eden Hall	EN	Campus Engagement	Hannah	Blinn	Morgan	Block	Julia	Saintz	Camilla	Cook
70	Role of Higher Education Institutions in Reducing Poverty by Promoting Sustainable Tourism	EN	Public Engagement	Maria	Boccalandro						
90	Computer Networks Doing Their Part to be Sustainable - New Industry Standards	OP	Buildings	Joseph	Bocchiaro III						
145	How to Run Initiatives on Campus That Will Lower Waste	OP	Waste	Kayla	Bondoc						
71	Using the UN SDGs to frame community resilience assessment and planning for students and partners	EN	Public Engagement	kelly	boulton						
139	Designing Despite the Department of Transportation	OP	Transportation	Eliza	Bower						
38	Sustainability Student Engagement Through the use of Online Platforms	EN	Campus Engagement	Timothy	Broderick						
146	Measuring Success - Auditing the Zero Waste Process	OP	Waste	John	Brooker	Christine	von Kolnitz				
39	The Intersectionality of the Arts and Environmental Activism	EN	Campus Engagement	Halle	Brown						
72	Repairing our Foodshed	EN	Public Engagement	Marian	Brown						
137	Supporting Sustainability Education and Biodiversity Through Grounds Management	OP	Grounds	Matthew	Brubaker	Beth	Klein				
138	Alternative Transportation in the Rural Context	OP	Transportation	Matthew	Brubaker						
197	Redefining Sustainable Campuses and Development Through the Lens of Health and Wellness	P&A	Wellbeing & Work	Steven	Burke						
170	Microbial assessment of rainwater tanks and runoff retention basins: A pilot study	OP	Water	Qunaisha	Burrows	Neha	Sunger				
3	Theory is Cheap. Practice is Hard: Bringing Sustainability to First-Year Composition Curricula	AC	Curriculum	Joseph	Burzynski						
40	GreenTech LIU: A Digital Platform for Campus SDG Collaboration	EN	Campus Engagement	Scott	Carlin	Kristen	Royal				
73	What, So What, Now What: The Development of the RCE Greater Atlanta Youth Network	EN	Public Engagement	Kristina	Chatfield	Kristofer	Moore				
74	@IUSBees Raising Awareness to Rise to the Challenge	EN	Public Engagement	Daniel	Clay						
75	Co-Designing a Sustainable, Native American Cultural Center with the Sisseton-Wahpeton Oyate	EN	Public Engagement	Phoebe	Crisman						
76	Weatherizing Together: Finding Effective Community Partnerships	EN	Public Engagement	Hannah	Dailey	Kelly Grant	Purvis				
171	A Comparison of four Campuses Water Usage: A look at contrasting water profiles in the Southwest.	OP	Water	Mick	Dalrymple	Kayla	Kutter				
91	Rising to the Challenge of Creating and Maintaining Living Buildings and a Living Campus Community	OP	Buildings	Alicia	Daniels Uhlig						
4	Sustainability Ripple Effect: Developing Change Agents in Environmental Science	AC	Curriculum	Caroline	Davies						
5	High Impact Pedagogical Practices for High Impact Sustainability Learning	AC	Curriculum	Jessica	Davis						
41	Fair Trade Chocolates: Rising the the Challenge with Sweets	EN	Campus Engagement	Marie	Davis						
42	Smith College House Sustainability Challenge	EN	Campus Engagement	Monica	Dean	Emma	Kerr				
6	Campus Sustainability Plans as Pedagogical Opportunities for High Impact Student Experiences	AC	Curriculum	Weston	Dripps						
120	Leveraging Sustainability in Food Service Across Campus	OP	Food & Dining	Gabriel	Durham	Michael	Mendoza				
176	Developing an Energy Strategy for Sustainability to meet Climate Action Planning Goals	P&A	Coordination & Planning	Larry	Eighthy	Marie	Fechik-Kirk				
177	Using STARS reporting as a framework for a modular campus sustainability plan	P&A	Coordination & Planning	Daimon	Eklund						
140	Abandoned Bikes on Campus: Redistribution and the Sustainable Development Goals	OP	Transportation	Sera	Erickson	Gregory	Sachs				
136	From Root to STEM: Growing Water Use Awareness Through Visualization	OP	Water	Austin	Eriksson						
192	Where civil rights fit into sustainability: an environmental justice workshop	P&A	Diversity & Affordability	Rebecca	Evans						

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7	Mindful Unbuilding: A Zero Waste Campus-Community Adventure	AC	Curriculum	Jennifer	Everett	James	Mills				
43	Northern Arizona University Sustainable Citizens Program	EN	Campus Engagement	Alison	Faller	Ellen	Vaughan				
157	Responsible Consumption and Production: An Academic Year Deep Dive	OP	Waste	Marie	Fechik-Kirk						
103	Paying for Sustainable Development from Wasted Energy	OP	Energy	Scott	Finlinson	Deanna	McPeak				
121	Increasing Local Food Procurement at Ontario's 24 Colleges	OP	Food & Dining	Kate	Flynn						
147	10,000 Makes Mini Sustainable Product Make-A-Thon	OP	Waste	Jessica	Foor						
148	How Might we Create a Sustainable Make-A-Thon to Inform Students About Sustainable Design?	OP	Waste	Jessica	Foor						
149	Stadium Clean-up: Invest in & Engage Student Organizations, Promote Sustainability, Reduce Costs	OP	Waste	Elizabeth	Gafford	Courtney	Martin				
150	7+ Ways Institutions of Higher Education are Generating Revenue while Diverting Waste from Landfills	OP	Waste	Lauren	Galletti						
8	Advancing Sustainability: Student-led Projects, Interdisciplinary Studies, and Inter-Silo Teamwork	AC	Curriculum	Alejandro	Gallardo						
104	Piloting of a Hybrid Continuous, Live, Virtual, and Traditional Energy Audit Methodology	OP	Energy	Courtney	Gammon						
84	Greenhouse Gas Inventory of the University of Pittsburgh	OP	Air & Climate	Haley	Gardner	Melissa	Bilec				
133	Native Food Garden in the Sonoran Desert	OP	Grounds	Megan	Gaul						
178	Campus Central Plants - Assets or Liabilities in Achieving Carbon and Resiliency Goals	P&A	Coordination & Planning	Tony	Gelber						
151	Building on Your Institutional Strengths to Reduce Food Waste	OP	Waste	Jonathan	Gibbons						
44	Sustainabili-TEA: The Evolution and Efficacy of Podcasts as a Medium for Sustainability Literacy	EN	Campus Engagement	Tanner	Glaze						
179	Incorporating Sustainable Development Goals (SDGs) into Collaborative Sustainability Planning	P&A	Coordination & Planning	Elaine	Goetz	Samuel	Crowl				
180	Leverage Key Facilities Metrics to Advance Sustainability - Survey Could be 'Gateway Drug' to STARS	P&A	Coordination & Planning	Sally	Grans Korsh						
172	Saving Water in University Library	OP	Water	Amber	Greaney	Dylan	Patterson				
85	Beyond Offsetting: Onsetting Scope 3 Emissions and Supporting Innovative Local Projects	OP	Air & Climate	Daniel	Greenberg						
45	Synergies in Sustainable Food Systems for Students, by Students	EN	Campus Engagement	Marybeth	Grimes	Suzanna	Ellison	Megan	Stover	Tatjana	Washington
122	The Real Food Challenge: Bringing Healthy and Local Food Options into Campus Dining Halls	OP	Food & Dining	Jason	Guo						
92	Earning AASHE STARS credits via the ENERGY STAR Buildings program	OP	Buildings	Brendan	Hall						
9	Teaching Sustainability Through Non-Traditional Learning Methods	AC	Curriculum	Renee	Harmon						
78	Community Impacts Through Energy-Efficient Housing Education	EN	Public Engagement	Christopher	Hazel						
10	Re-Design Certificate: Regenerative Ecological Design	AC	Curriculum	Jessica	Herrreich						
11	Using S Designation to Build an Embedded Certificate and Create Coherence	AC	Curriculum	Krista	Hiser	Matthew	Lynch				
14	Experience The SDGs Abroad: Reimagine Your Curriculum with The GREEN Program	AC	Curriculum	Madison	Holden						
46	Using the Campus as a Living Laboratory: The Think 80:20 Recycling Program at Deerfield Academy	EN	Campus Engagement	Beth	Hooker						
152	Utilizing Waste Management Plans in Residence Halls: A Case Study	OP	Waste	Laura Anne	Hunt						
47	Shorter showers? There's an App for that!	EN	Campus Engagement	Jamie	Jacquart	Samantha	Trbovich				
15	Nation's First Community-Based Culinary Medicine Garden and Sustainability Curriculum	AC	Curriculum	Shannon	Jones						
48	Interactive and Captivating: How to Create a Successful Workshop	EN	Campus Engagement	Ben	Kalscheur						
49	Mobilizing Colleges with Earth Integrity Training	EN	Campus Engagement	Lindsey	Kayman	Paul	Bartlett				
193	Improving Inclusivity at Campus Farmers Market and Garden	P&A	Diversity & Affordability	Jessica	Kemper						
50	WCUPA Student Brandywine Project	EN	Campus Engagement	Tiffany	Kennedy	Abigail	Kennedy	Andrew	Bathemess		
51	Becoming a 'spokes' person for campus sustainability: The smoothie bike & other outreach efforts.	EN	Campus Engagement	Vicky	Kent						
16	How Higher Education is approaching its commitment to sustainability through sustainability courses	AC	Curriculum	Saman	Khan						
181	Sustainability Workshop Series	P&A	Coordination & Planning	Megan	Khodl						
93	Green Globes Certification: A Practical Approach for Sustainable Campuses	OP	Buildings	Charles	Kibert	Bennett	Schwartz				
105	Creating a Successful Campus Temperature Policy	OP	Energy	Jennifer	Kleindienst						
17	ESRAP: Building Partnerships Across Globe to Elevate Sustainability Focused Curriculum & Research	AC	Curriculum	Tara	Konya						
52	Grassroots: Connecting Diverse Louisville Communities Through Sustainable Initiatives	EN	Campus Engagement	Erin	Kurtz	Henrietta	Ransdell				
53	Learning From the Past to Inform the Future: Leveraging Campus-Community Partnerships With Dialogue	EN	Campus Engagement	Samantha	Laurence	Jacob	Smith	Shawn	Davis		
182	Inducing Paradigm Shifts through Complementary Curricular and Co-curricular Program Engagement	P&A	Coordination & Planning	Ashley Lynn	Lavender	Bianca	LaPaz				
141	Do It Yourself Green Challenge - Cost Effective Way to Improve Health, Environment, & Climate Change	OP	Transportation	Thuy	Le						
54	The Campus-Community Urban Sustainability Program at LIU Brooklyn	EN	Campus Engagement	Timothy	Leslie	Jay	Shuttleworth				
94	Green Revolving Reserve and LEED Platinum buildings at the U	OP	Buildings	Teddy	Lhoutellier						
18	Teaching Sustainability in the Landscape Architecture Field	AC	Curriculum	Dan	Li						
153	Expanding the Horizons of Campus Recycling: Assessing Expanded Polystyrene Waste in Higher Education	OP	Waste	Tim	Lindstrom						
19	Laudato Si and UNSDGs: An Ignatian Framework for Teaching Human Geography	AC	Curriculum	Anne Marie	Lodholz	Noah	Apprill-Sokol	Sarah	Becvar		

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55	Addressing Sustainable Development Goals: Non-profit, Campus and Community Collaborations	EN	Campus Engagement	David	Macek	Kim	Smith				
106	University of Houston-Downtown Embraces Student Engagement in Urban Agriculture and Sustainability	OP	Energy	Roshani	Malla	Daniel	Adrian	Mario	Alavez		
154	Can You Dig It?: Integrating Vermicomposting at UC Berkeley	OP	Waste	Alejandra	Marquez	Courtney	McGuire	Valerie	Yong		
20	Impact of Changes in Campus Sustainability Efforts on Student Environmental Knowledge and Behaviors	AC	Curriculum	Alicia	Mason	Catherine	Hooey				
184	AASHE STARS: Field Notes From New Adopters	P&A	Coordination & Planning	Sophie	Mason	Sara	Popenhagen	Cody	Lorentson	Stephanie	Corbett
95	Phase Change Materials	OP	Buildings	Chandler	McCormick						
155	Sustaining the Borderlands: A Discussion on Food Waste in the Southwest	OP	Waste	Grace	McGuire	Daniel	Quinn	Hunter	Oldham	Chester	Phillips
158	Trash Talking: South Dakota State University's Effort to Increase Campus' Recycling Rate	OP	Waste	Jennifer	McLaughlin						
185	Case Study Revisited: Confirming how to Achieve Progressive Campus Sustainability Measures	P&A	Coordination & Planning	Jennifer	McLaughlin						
21	Win-Win-Win: Incorporating Authentic Sustainability Learning Into Technical College Courses	AC	Curriculum	Casey	Meehan						
32	WEB of Science Database: Sustainable Knowledge of the Hopi A Prototype for the Future Research	AC	Research	Arina	Melkozerova						
22	Social Environmental Case Study on Mining, Wild Rice and Water Protection in Minnesota	AC	Curriculum	Beth	Mercer-Taylor						
12	So You've Been Told to Teach About Sustainability? Now What?	AC	Curriculum	Jessica	Michel	Krista	Hiser				
13	Go Green or Get Gone: Teachers College as a Case Study	AC	Coordination & Planning	Jessica	Michel						
56	Implementing a Sustainable Living Program on Campus: Encouraging Students to Walk the Talk	EN	Campus Engagement	Christopher	Miller						
186	Sustainability Goal Setting at Universities: A Nitrogen Action Plan at the University of Virginia	P&A	Coordination & Planning	Elizabeth	Milo	Andrea	Trimble				
187	Institution Nitrogen Footprints in SIMAP: Updated Results and New Insights	P&A	Coordination & Planning	Elizabeth	Milo	Allison	Leach				
23	Teach Environmental Sustainability via Children's Literature	AC	Curriculum	Florence	Monsour						
24	Multimodal Texts as a Window to Sustainability	AC	Curriculum	Florence	Monsour						
107	Infusing Energy Management with Classroom Scheduling	OP	Energy	Genevieve	Mortenson						
57	Student Oriented Sustainability Projects on a Small Educational Campus	EN	Campus Engagement	Rajiv	Narula						
159	A Residential Recycling Competition at Skidmore College	OP	Waste	Jennifer	Natyzak						
123	Real Food Challenge at University of Pittsburgh	OP	Food & Dining	ZoÅ«	Neal	Rosemary	Holtz				
25	Building on the NAE Grand Challenges Scholars Model to Incorporate the UN SDGs in Higher Education	AC	Curriculum	Lam	Ngo	Jessica	Newlin				
79	Learning from our Future: Engaging Youth in Climate Justice	EN	Public Engagement	Derek	Nichols						
134	Urban green spaces connecting people and place.	OP	Grounds	Susan	Norton						
160	Western State Colorado University Role in Advancing SDGs- Road Map to Institutionalizing Zero Waste	OP	Waste	Ayodeji	Oluwalana						
80	A University-Community Research Collaboration to Promote Sustainable Agriculture for Food Security	EN	Public Engagement	Alison	Ormsby						
161	Off-Campus Student Housing Recycling Program	OP	Waste	Veronica	Parish						
162	Creating a Culture of Sustainability: Implementing Zero Waste in Student Union Buildings	OP	Waste	Serena	Patel	Yu-Shien	Ni				
26	From Theory to Practice: Applied Community Projects in Environmental Capstone Courses	AC	Curriculum	Jamey	Pavey	Eli	Ramthun				
99	The Gold 1 Garage - Parksmart Case Study	OP	Buildings	Lawrence	Payne						
58	Urban Emerald	EN	Campus Engagement	Eileen	Poiani						
108	Renewable Energy for Campus Facilities Services	OP	Energy	Liam	Porter						
163	Achieving Zero Waste and Campus-Wide Compost Bins: Progress from Swarthmore College	OP	Waste	Christopher	Proctor						
27	Escaping the Silos and Generating Collaborations: A Sustainable Faculty Development Program	AC	Curriculum	Kelly Grant	Purvis						
124	Closing the Food Loop	OP	Food & Dining	Kareem	Rabbat						
109	Occupant Engagement and Centralized Controls: a Hybrid Energy Mngmt. Solution With Major Savings	OP	Energy	Hedi	Razavi						
110	Campus-Wide Change: Turn Down for Watt	OP	Energy	Marley	Redd						
188	Mainstreaming the Sustainable Development Goals: An Insiders' Account of change in a UK University	P&A	Coordination & Planning	Andrew	Reeves						
194	Living Housed, Healthily and Happily: Conceptualizing Disparaging Circumstances in Queer Communities	P&A	Diversity & Affordability	Vanity	Reid Deterville						
97	Evolving Building Sustainability: United Nations Economic Commission for Europe Framework Principles	OP	Buildings	David	Riley	Lisa	Shulock	Mahsa	Safari	Yewande	Abraham
33	From Bags to Boards: The Experimentation Behind the Recycled Building Material «BagBoard»	AC	Research	Megan	Romanchok	Kathryn	Pohlman				
34	Transdisciplinary Undergraduate Research In Costa Rica: 5 Week Faculty Led Study Abroad Model	AC	Research	Cierra	Rustad	Sara	Shuger Fox				
59	Acts of Art for the Environment	EN	Campus Engagement	Chandler	Sabourin						
98	Green Nerds in FM: Building Automation Strategies to Support Sustainability Goals	OP	Buildings	Gregory	Sachs						
96	Global Sustainability Practice	OP	Campus Engagement	Mahsa	Safari	David	Riley	Peter	Tansey		
125	Building a Bigger Table: Engaging Communities on Food Security	OP	Food & Dining	Jennifer	Saunders						
100	State of Sustainability in Higher Education: Charting a Course for Continued Success	OP	Buildings	Jane	Schneider	Sophie	Mason				
135	Grounds for Change: Electrifying CSUN's Landscaping Equipment	OP	Grounds	Nikhil	Schneider	Austin	Eriksson				
81	One Carrot at a Time: Engaging Youth Through Urban Farming	EN	Public Engagement	Erin	Scott						

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86	Achieving Large-Scale Campus Emissions Reductions: The Plan, Team, & Relationships Required	OP	Air & Climate	Ryan	Shea	Matthew	Worsham	Andrea	Mott	Sophia	Palmer
111	How to Benchmark Your Building in Five Minutes or Less	OP	Energy	Vladi	Shunturov						
164	Integrated Plastics Recycling and Research Facility at UC Berkeley	OP	Waste	Scott	Silva	Sharon	Daraphonhdeth	Jenny	Chiu		
60	Ideas into Actions: The ECOllective Fund and Student-led Sustainability Initiatives at CofC	EN	Campus Engagement	Brynn	Smith						
61	Bridging the gap: Community Engagement Programs, Sustainability, and the SDGs	EN	Campus Engagement	Cami	Sockow	Brandi	Hoffman				
28	Analysis of the Integration of Sustainability in Professional Hospitality Education Curriculum	AC	Curriculum	Rose	Spickler						
195	Adapting Portfolios to Climate Change: 2 Degrees Investing	P&A	Investment & Finance	Kenneth	St-Amand II						
29	Driving Creative Sustainable Solutions Using a Design Thinking Approach in the Engineering Classroom	AC	Curriculum	Lisa	Stabryla						
165	#stopsucking: Leveraging Coalitions to Turn #strawlesssummer into an Endless Summer	OP	Waste	Annie	Steadman						
166	Zero waste campus: Mitigating landfill waste on an urban college campus	OP	Waste	Annie	Steadman	Lauren	Gabbamonte				
142	The Case Study of Universal Transit Pass (U-Pass) Programs at Eight US Universities	OP	Transportation	Mark	Stewart						
62	Is your staff engaged with your sustainability practices?	EN	Campus Engagement	Patty	Stragar						
126	UT Farm Stand: A Campus-Scale Model for Sustainable Food Production	OP	Food & Dining	Katherine	Strain						
112	University of Denver's Renter Efficiency Program for Students	OP	Energy	Aziz	Syammach						
63	Sustainability in Corl Street Elementary School	EN	Campus Engagement	Claire	Talley						
189	Overcoming Administrative Barriers in Waste Management Projects	P&A	Coordination & Planning	Lauren	Taylor						
127	Empowering Student Leaders to Create a Zero Waste Food Court	OP	Food & Dining	Lotus	Thai	Lin	Tang				
128	Expanding the Mission of a Canstruction Competition to Include Partnerships for Hunger Awareness	OP	Food & Dining	Karen	Theveny	Laura	Guertin				
64	Back to Basics	EN	Campus Engagement	Vanessa	Thiel						
30	Improving Our Understanding of Sustainability with Bio-Mimicry	AC	Curriculum	Steve	Thomas						
82	Connecting Communities to Data That Matter - Linkages Through SDGs	EN	Public Engagement	Carol	Thurman						
87	Boston University's Climate Action Plan and The Public Process	OP	Air & Climate	Lisa	Tornatore	Dennis	Carlberg	Marta	Marello		
129	Local Food Sourcing in Kentucky: A Case Study in Higher Ed Collaboration	OP	Food & Dining	Ellen	Trahan	Carolyn	Gahn				
65	PSEG Institute for Sustainability Studies Green Team Internship Program	EN	Campus Engagement	Amy	Tuininga						
113	Bates College Conversion to Burn New Wood-Based, Liquid Fuel in Central Steam Plant	OP	Energy	Tom	Twist						
190	A Framework for Sustainability Competencies for Your Campus	P&A	Coordination & Planning	Lydia	Vandenbergh	Susannah	Barsom				
167	Using Waste Reduction Technology to Adopt a Circular Economy	OP	Waste	Syannah	Vine						
114	The Upgrade Alternative: When Energy Upgrades Prove Cost Prohibitive, Microgrids Offer Another Path	OP	Energy	Catherine	Von Burg						
31	A New Resource To Engage Your Chemistry Department In Sustainability	AC	Curriculum	Derrick	Ward	Amy	Cannon				
168	Engaging College Students With Sustainability and Human Rights Through Bottles and Cans	OP	Waste	Christina	Weiler						
88	Assessing Campus and Community Resilience in Rural America	OP	Air & Climate	Olivia	Whittaker	Ruby	Woodside	Ryan	Ihrke	Benjamin	Newton
115	Thompson Rivers University - The Solar Compass A Case Study on Ground Mounted Solar Modules	OP	Energy	Aaron	Wiebe	James	Gordon				
169	Reducing Odorous Emissions from Compost With Bio Filters	OP	Waste	Aaron	Wiebe						
143	Sustainable for Your Bottom Line: Electric Buses and Simple Infrastructure for Your Campus Fleet.	OP	Transportation	Bill	Williams						
191	What is a Residence Life Sustainability Plan?	P&A	Coordination & Planning	Allison	Wilson	Carol	Binzer				
130	Virginia Food Systems Leadership Institute	OP	Food & Dining	Andrew	Wingfield						
131	Closing the Loop: Building a Healthy and Sustainable Campus Food System	OP	Food & Dining	Erica	Wohldmann	Sarah	Johnson				
156	Vermicompost: A Study of Alternative Composting in Arid Climates	OP	Waste	Ryan	Yamauchi	Daniel	Quinn				
66	Integrating Participatory Action Research Into Internships and Outreach- Univ of Illinois at Chicago	EN	Campus Engagement	Kate	Yoshida	Cynthia	Klein-Banai				
196	Celebrating Anniversaries: Reflecting and Adapting within Campus Green Funds	P&A	Investment & Finance	Teresa	Yu	Brian	Gialketsis				
173	Sustainability and the Global Nitrogen Cycle: Water Quality Issues.	OP	Water	Catherine	Zeman						
67	Evaluating and improving the UDC student's knowledge on the campus sustainability projects	EN	Campus Engagement	Kamran	Zendeudel						
35	Automated Gardening System with Solar Integration	AC	Research	Chun Ming Jeffrey	Zhang						
144	Sustainable Transportation Solutions	OP	Transportation	Russ	Ziegler						