





Excerpts from AASHE'S 2019 SUSTAINABLE CAMPUS INDEX

By Monika Urbanski

The **2019 Sustainable Campus Index (SCI)**, produced annually by the Association for the Advancement of Sustainability in Higher Education (AASHE), recognizes top-performing colleges and universities overall by institution type and in 17 sustainability impact areas, as measured by the Sustainability Tracking, Assessment & Rating System (STARS), a voluntary framework used by hundreds of colleges and universities to measure, report, and strengthen their contributions to global sustainability. The SCI also highlights innovative, high-impact initiatives from participating institutions.

This feature excerpts 10 of the 17 impact areas covered in the SCI that are of particular relevance to facilities professionals. You can download the complete report, which also covers academics, public engagement, and more, by going to <https://www.aashe.org/wp-content/uploads/2019/08/SCI-2019-Updated.pdf>.



AIR & CLIMATE

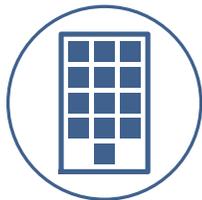


Global climate change is having myriad negative impacts throughout the world, including increased frequency and potency of extreme weather events, sea-level rise, species extinction, water shortages, declining agricultural production, and the spread of diseases. The impacts are particularly pronounced for low-income communities and countries. Institutions that inventory and take steps to reduce their air pollutant emissions can positively impact the health of their local communities and regions. This section covers greenhouse gas emissions assessment and mitigation and outdoor air quality.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1. (t)	Colby College	100%	Baccalaureate	Waterville, Maine
1. (t)	Université Laval	100%	Doctoral	Quebec City, Quebec
3.	Bowdoin College	98.5%	Baccalaureate	Brunswick, Maine
4. (t)	Thompson Rivers University	96.2%	Masters	Kamloops, British Columbia
4. (t)	University of Victoria	96.2%	Doctoral	Victoria, British Columbia
6. (t)	Lewis & Clark College	95.5%	Baccalaureate	Portland, Oregon
6. (t)	Middlebury College	95.5%	Baccalaureate	Middlebury, Vermont
8.	Bentley University	93.9%	Masters	Waltham, Massachusetts
9.	Simon Fraser University	91.6%	Doctoral	Burnaby, British Columbia
10.	Western Washington University	88.7%	Masters	Bellingham, Washington

BUILDINGS



Buildings are generally the largest user of energy and the largest source of greenhouse gas emissions on campuses. Buildings also use significant amounts of potable water. Institutions can design, build, and maintain buildings in ways that provide a safe, healthy indoor environment for inhabitants while simultaneously mitigating the buildings' impact on the outdoor environment. This section covers the maintenance and operations of existing buildings as well as new building design and construction.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	University of California Merced	64.6%	Doctoral	Merced, California
2.	University of California Irvine	63.3%	Doctoral	Irvine, California
3.	Chatham University	62.5%	Masters	Pittsburgh, Pennsylvania
4.	Nova Scotia Community College	62.3%	Associate	Dartmouth, Nova Scotia
5.	University of California Santa Barbara	59.8%	Doctoral	Santa Barbara, California
6.	California State University Sacramento	59.4%	Masters	Sacramento, California
7.	University of Wisconsin Milwaukee	59.0%	Doctoral	Milwaukee, Wisconsin
8.	University of the Pacific	58.5%	Doctoral	Stockton, California
9.	Northwestern University	57.9%	Doctoral	Evanston, Illinois
10.	Portland State University	57.8%	Doctoral	Portland, Oregon

CAMPUS ENGAGEMENT

Engaging in sustainability through co-curricular activities allows students, faculty, and staff to deepen and apply their understandings of sustainability principles. Co-curricular sustainability offerings help integrate sustainability into the campus culture and encourage behavior changes that promote sustainability. This section covers student and employee sustainability education programs and orientations, assessment of sustainability culture, outreach materials, and campaigns.



TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	Berea College	100%	Baccalaureate	Berea, Kentucky
2.	Thompson Rivers University	99.3%	Masters	Kamloops, British Columbia
3. (t)	Arizona State University	98.8%	Doctoral	Tempe, Arizona
3. (t)	Colby College	98.8%	Baccalaureate	Waterville, Maine
3. (t)	Colorado State University	98.8%	Doctoral	Fort Collins, Colorado
3. (t)	Dickinson College	98.8%	Baccalaureate	Carlisle, Pennsylvania
3. (t)	University of Connecticut	98.8%	Doctoral	Storrs, Connecticut
8. (t)	Stanford University	97.6%	Doctoral	Stanford, California
8. (t)	University of Calgary	97.6%	Doctoral	Calgary, Alberta
10.	University of New Hampshire	96.4%	Doctoral	Durham, New Hampshire

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DIVERSITY & AFFORDABILITY



Higher education opens doors to opportunities that can help create a more equitable world, and must be accessible to all regardless of race, gender, religion, socioeconomic status, and other differences. A diverse body of students, faculty, and staff provides rich resources for learning and collaboration. This section covers diversity coordination, assessment for campus equity, discrimination response, higher education affordability and access, increasing faculty diversity, and support and recruitment of underrepresented students, faculty, and staff.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	Stanford University	98.7%	Doctoral	Stanford, California
2.	Rice University	97.9%	Doctoral	Houston, Texas
3.	University of Texas Rio Grande Valley	96.2%	Doctoral	Edinburg, Texas
4.	University of California Berkeley	96.1%	Doctoral	Berkeley, California
5.	Thompson Rivers University	95.4%	Masters	Kamloops, British Columbia
6.	University of California Irvine	95.3%	Doctoral	Irvine, California
7. (t)	Emory University	95.2%	Doctoral	Atlanta, Georgia
7. (t)	University of Pennsylvania	95.2%	Doctoral	Philadelphia, Pennsylvania
9.	Washington University in St. Louis	95.1%	Doctoral	Saint Louis, Missouri
10.	Indiana University-Purdue University Indianapolis (IUPUI)	94.9%	Doctoral	Indianapolis, Indiana

ENERGY



For most institutions, energy consumption is the largest source of greenhouse gas emissions. Implementing conservation measures and switching to renewable sources of energy can help institutions save money and protect them from utility-rate volatility. Renewable energy may be generated locally and allow campuses to support local economic development. Furthermore, institutions can help shape markets by creating demand for cleaner, renewable sources of energy. This section recognizes energy reduction and development and use of clean, renewable energy sources.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	Thompson Rivers University	83.5%	Masters	Kamloops, British Columbia
2.	Stanford University	73.7%	Doctoral	Stanford, California
3.	American University	71.0%	Doctoral	Washington, D.C.
4. (t)	University of New Hampshire	69.7%	Doctoral	Durham, New Hampshire
4. (t)	University of South Florida	69.7%	Doctoral	Tampa, Florida
6.	University of Idaho	68.1%	Doctoral	Moscow, Idaho
7.	University of Ontario Institute of Technology	66.5%	Masters	Oshawa, Ontario
8.	University of Colorado Colorado Springs	66.4%	Masters	Colorado Springs, Colorado
9.	University of Vermont	68.3%	Doctoral	Burlington, Vermont
10.	College of the Atlantic	65.3%	Baccalaureate	Bar Harbor, Maine

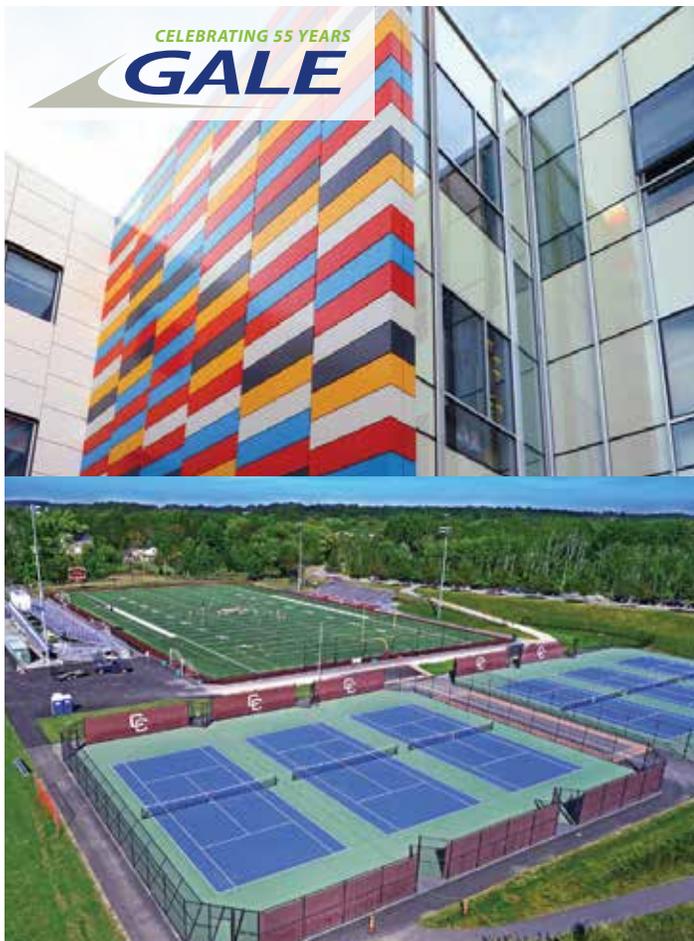
GROUNDS

Beautiful and welcoming campus grounds can be planned, planted, and maintained in any region while minimizing the use of toxic chemicals, protecting wildlife habitat, conserving resources, and promoting organic care. This section covers campus land management, sustainable landscaping, and biodiversity of campus grounds and surrounding lands.



TOP PERFORMERS

Rank	Institution	Score	Type	Location
1. (t)	Cascadia College	100%+	Associate	Bothell, Washington
1. (t)	Chatham University	100%+	Masters	Pittsburgh, Pennsylvania
3. (t)	Antioch College	100%	Baccalaureate	Yellow Springs, Ohio
3. (t)	College of the Atlantic	100%	Baccalaureate	Bar Harbor, Maine
3. (t)	Florida State University	100%	Doctoral	Tallahassee, Florida
3. (t)	The American College of Greece	100%	Masters	Athens, Greece
3. (t)	Université de Montréal	100%	Doctoral	Montreal, Quebec
3. (t)	University of Maine	100%	Doctoral	Orono, Maine
9.	Keene State College	99.8%	Masters	Keene, New Hampshire
10.	Clarkson University	99.3%	Doctoral	Potsdam, New York



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Building Enclosure/Structural Engineering Services:

- Roof and building enclosure management programs
- Roof, wall, window/glazing, waterproofing, and structural evaluations and designs
- Forensic evaluations
- Construction phase assistance
- Building enclosure commissioning (BECx)
- Enclosure design assistance and peer review for historic, LEED-certified, and green roof projects

Athletic and Recreation Facilities Design Services:

- Comprehensive athletic campus evaluation and master planning
- Athletic facilities planning, permitting, and programming
- High-efficiency lighting, minimizing off-site impacts
- New track facilities, track renovations, and conversions
- All types of synthetic and natural turf fields

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TRANSPORTATION



Institutions can positively impact human and ecological health and support local economies by modeling sustainable transportation systems. Transportation-related emissions and pollutants contribute to health problems which, due to disproportionate exposure, are frequently more pronounced in low-income communities near major transportation corridors. In addition, fuel extraction, production, and distribution can damage environmentally and culturally significant ecosystems and may financially benefit oppressive governments. This section covers campus fleets, student/employee modal split, and programs promoting sustainable transportation.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	Columbia University	89.1%	Doctoral	New York, New York
2.	University of Washington	87.6%	Doctoral	Seattle, Washington
3.	University of Pennsylvania	80.6%	Doctoral	Philadelphia, Pennsylvania
4.	Emerson College	80.3%	Masters	Boston, Massachusetts
5.	Massachusetts Institute of Technology	79.7%	Doctoral	Cambridge, Massachusetts
6.	University of Ottawa	78.3%	Doctoral	Ottawa, Ontario
7. (t)	École de Technologie Supérieure	78.0%	Doctoral	Montreal, Quebec
7. (t)	University of California Irvine	78.0%	Doctoral	Irvine, California
9. (t)	Carnegie Mellon University	77.9%	Doctoral	Pittsburgh, Pennsylvania
9. (t)	Simon Fraser University	77.9%	Doctoral	Burnaby, British Columbia

WASTE



Waste reduction mitigates the need to extract virgin materials from the earth and reduces waste flow to incinerators and landfills that contaminate air and water, produce greenhouse gas emissions, and tend to have disproportionate negative impacts on low-income communities. Source reduction and waste diversion also save institutions costly landfill and hauling costs. Campaigns for waste reduction can engage the entire campus community in contributing to tangible sustainability goals. This section recognizes waste minimization and reduction construction, waste diversion, and hazardous waste management.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	New Mexico State University	92.9%	Doctoral	Las Cruces, New Mexico
2.	San Jose State University	92.8%	Masters	San Jose, California
3.	Nova Scotia Community College	89.2%	Associate	Dartmouth, Nova Scotia
4.	Thompson Rivers University	87.6%	Masters	Kamloops, British Columbia
5.	University of Massachusetts Lowell	78.1%	Doctoral	Lowell, Massachusetts
6.	Université Laval	77.1%	Doctoral	Quebec City, Quebec
7.	University College Cork- National University of Ireland, Cork	76.6%	Doctoral	Cork, Ireland
8.	California State University, Fullerton	76.2%	Doctoral	Fullerton, California
9.	University of California Santa Barbara	75.8%	Doctoral	Santa Barbara, California
10.	University of California Merced	74.3%	Doctoral	Merced, California

WATER

Water conservation and reuse, as well as effective rainwater management practices, are important in maintaining and protecting finite groundwater supplies. Pumping, delivering, and treating water is a major driver of energy consumption, so institutions can help reduce energy use and the emissions associated with energy generation by conserving water. Water conservation and effective rainwater and wastewater management also reduce the need for effluent discharge into local surface water supplies, which helps improve the health of local water ecosystems. This section covers water use reduction and rainwater management.



TOP PERFORMERS

Rank	Institution	Score	Type	Location
1. (t)	Colorado College	100%+	Baccalaureate	Colorado Springs, Colorado
1. (t)	San Francisco State University	100%+	Doctoral	San Francisco, California
1. (t)	University of Connecticut	100%+	Doctoral	Storrs, Connecticut
4. (t)	California State University Northridge	100%	Masters	Northridge, California
4. (t)	Chatham University	100%	Masters	Pittsburgh, Pennsylvania
4. (t)	Colgate University	100%	Baccalaureate	Hamilton, New York
4. (t)	Eastern Kentucky University	100%	Masters	Richmond, Kentucky
4. (t)	George Mason University	100%	Doctoral	Fairfax, Virginia
4. (t)	Loyola Marymount University	100%	Masters	Los Angeles, California
4. (t)	Muhlenberg College	100%	Baccalaureate	Allentown, Pennsylvania
4. (t)	Stanford University	100%	Doctoral	Stanford, California
4. (t)	University of Cincinnati	100%	Doctoral	Cincinnati, Ohio
4. (t)	University of Massachusetts Amherst	100%	Doctoral	Amherst, Massachusetts
4. (t)	University of Minnesota Morris	100%	Baccalaureate	Morris, Minnesota
4. (t)	University of Texas Rio Grande Valley	100%	Doctoral	Edinburg, Texas
4. (t)	Vassar College	100%	Baccalaureate	Poughkeepsie, New York

APPA'S COVID-19 Resource Page

<https://www.appa.org/covid-19-resources-and-guidelines>

- APPA Town Hall recordings
- Business Partner Resources
- Campus Emerging Practices
- Many more resources

Share your own guidelines, policies, and emerging practices.
Send to communications@appa.org



An organization's character, capacity to perform, and achievements are only as strong as that organization's community. Colleges and universities can bolster the strength of their communities by promoting the well-being of the campus community and by offering worker benefits, wages, and other assistance that serve to respectfully and ethically compensate workers. This section recognizes student and employee wellness programs and employee compensation, satisfaction, health, and safety.

TOP PERFORMERS

Rank	Institution	Score	Type	Location
1.	The American College of Greece	87.1%	Masters	Athens, Greece
2.	Stanford University	86.7%	Doctoral	Stanford, California
3.	Niagara College	86.6%	Associate	Welland, Ontario
4.	University of Ontario Institute of Technology	82.6%	Masters	Oshawa, Ontario
5.	Colorado State University	81.0%	Doctoral	Fort Collins, Colorado
6.	Gettysburg College	80.3%	Baccalaureate	Gettysburg, Pennsylvania
7.	University of California Riverside	80.0%	Doctoral	Riverside, California
8.	Lawrence University	78.6%	Baccalaureate	Appleton, Wisconsin
9.	Middlebury College	78.1%	Baccalaureate	Middlebury, Vermont
10. (t)	Colby College	77.6%	Baccalaureate	Waterville, Maine
10. (t)	Université Laval	77.6%	Doctoral	Quebec City, Quebec



OVERALL TOP PERFORMERS



Associate Colleges

Rank	Institution	Rating	Score	Location
1.	Nova Scotia Community College	Gold	73.2	Dartmouth, Nova Scotia
2.	Mohawk College	Gold	68.0	Hamilton, Ontario
3.	Portland Community College	Silver	62.0	Portland, Oregon
4.	North Seattle College	Silver	60.0	Seattle, Washington
5.	Fleming College	Silver	56.2	Peterborough, Ontario

Baccalaureate Institutions

Rank	Institution	Rating	Score	Location
1.	Colby College	Gold	83.2	Waterville, Maine
2.	Dickinson College	Gold	81.5	Carlisle, Pennsylvania
3.	Sterling College (VT)	Gold	78.3	Craftsbury Common, Vermont
4.	Middlebury College	Gold	77.6	Middlebury, Vermont
5.	College of the Atlantic	Gold	73.3	Bar Harbor, Maine

Master's Institutions

Rank	Institution	Rating	Score	Location
1.	Thompson Rivers University	Platinum	88.3	Kamloops, British Columbia
2.	Chatham University	Gold	81.3	Pittsburgh, Pennsylvania
3.	Santa Clara University	Gold	76.2	Santa Clara, California
4.	Seattle University	Gold	75.6	Seattle, Washington
5. (t)	California State University Northridge	Gold	74.3	Northridge, California
5. (t)	University of Colorado Colorado Springs	Gold	74.3	Colorado Springs, Colorado

Doctoral Institutions

Rank	Institution	Rating	Score	Location
1.	Stanford University	Platinum	88.0	Stanford, California
2.	University of California Irvine	Platinum	86.8	Irvine, California
3.	University of New Hampshire	Platinum	86.0	Durham, New Hampshire
4.	Colorado State University	Platinum	85.6	Fort Collins, Colorado
5.	University of Connecticut	Gold	84.4	Storrs, Connecticut

Monika Urbanski is AASHE's data and resources manager and can be reached at monika.urbanski@ashe.org. This is her first article for *Facilities Manager*. Excerpted with permission from the 2019 Sustainable Campus Index (<https://www.aashe.org/wp-content/uploads/2019/08/SCI-2019-Updated.pdf>), Association for the Advancement of Sustainability in Higher Education (AASHE). Thanks to Julian Dautremont, AASHE's director of programs, for his assistance with this article.