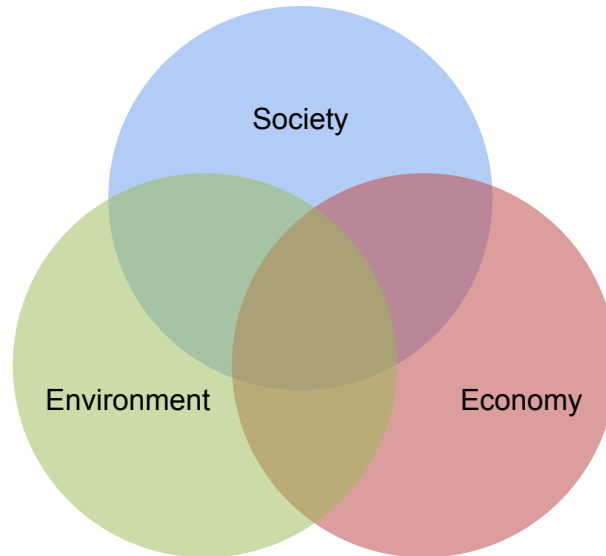




Sustainability As A Core Value

A look at NC State's
programs and progress

Economic stewardship, environmental responsibility and social equity so that current and future generations may thrive.





History of Sustainability at NC State

2002	Campus Environmental Sustainability Team (CEST) Established
2008	University Sustainability Office Created
2011	Inaugural Sustainability Strategic Plan adopted for 2011-2016
2015	Sustainability Council Established (replacing CEST)
2017	Second Sustainability Strategic Plan adopted for 2017-2022
2021	Sustainability named one of 7 core values of the university

#18

on the Princeton Review's Top
Green Colleges List in 2022

Top 200

globally for sustainable impact
(Times Higher Education 2022
Impact Rankings)

Certifications and Recognitions:



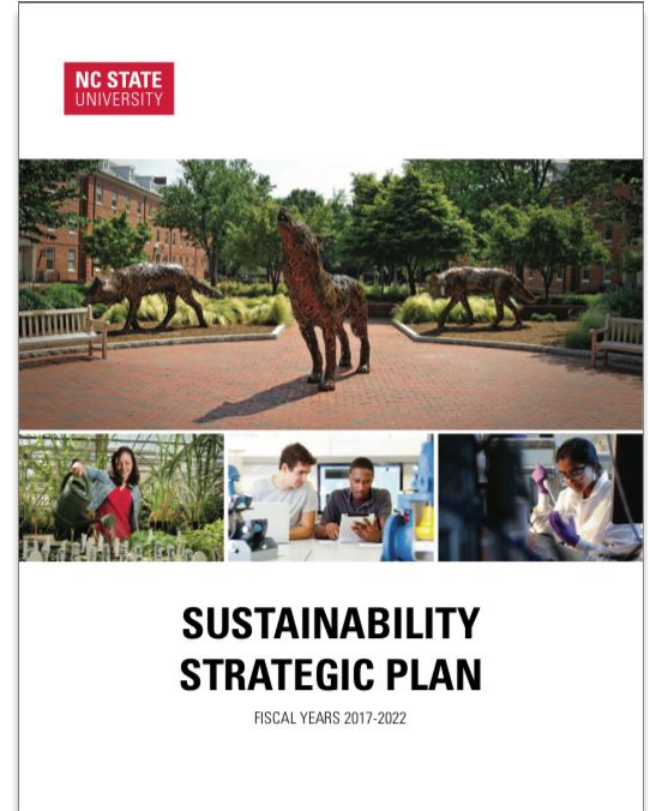
Previous Awards:



Sustainability Strategic Plan

- Academics
- Student Leadership
- Operations, Planning and Design
- Community and Culture
- Communications

Plan to be updated this academic year



Academics

Integrate sustainability into education, experiences, and research.



807

courses include or focus
on sustainability

78%

of academic departments
offer a sustainability-related
or focused course



Search the course database online: go.ncsu.edu/sdgcourses

719

faculty members conducted
sustainability-related research in
the past 3 years

96%

of academic departments have at
least one faculty member
conducting sustainability-related
research



Student Leadership

Engage students in initiatives that promote leadership and service in sustainability.



39

sustainability-related
student organizations

CO-CURRICULAR
OPPORTUNITIES INCLUDE



ECOVILLAGE
AT NC STATE



Campus As A Classroom

Provide experiential learning opportunities for students that support campus sustainability goals and foster collaboration



31

student interns in first two
years working with 9
campus departments

OPPORTUNITY

Integrate a campus
sustainability project in a
course

Sustainability Fund

Approximately \$150,000 in grants awarded annually to sustainability projects that have high student impact and help NC State advance sustainability.

OPPORTUNITY

Propose a project (due February)



Community and Culture

Accelerate a culture of sustainability, inclusivity,
and well-being on campus and in the community.



72%

of incoming students in
2020 indicated the
university's commitment
to the environment and
sustainability influenced
their decision to attend
NC State



NC State's efforts to address food and housing insecurity were recognized by the Association for the Advancement of Sustainability in Higher Education with a 2021 **Campus Sustainability Achievement Award**.



125+

sustainability-related **events** annually, including campus traditions like Earth Month (April) and Energy Week (September)



Each spring **Sustainability Award** winners are selected for outstanding achievement in sustainability



Campus events, workplaces and student organizations can earn **sustainability certification**



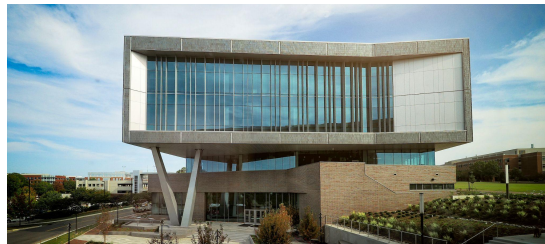
Operations, Planning and Design

Model sustainability through efficient, innovative facilities and operations that educate the campus community and improve the quality of life.



Building More Sustainable Facilities

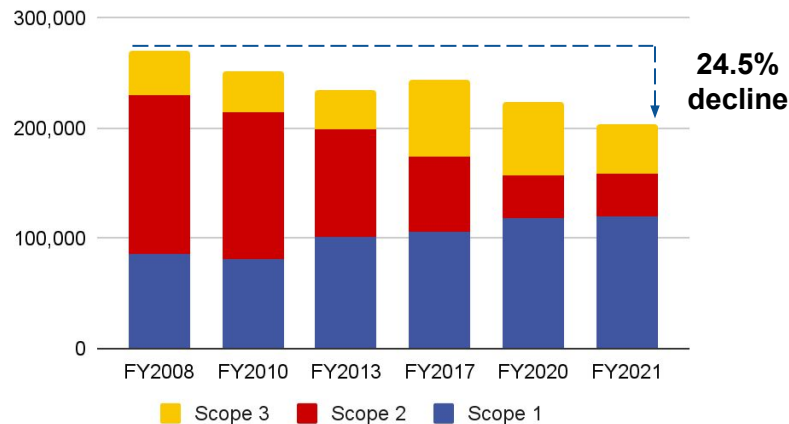
New campus facilities more than 20,000 GSF achieve Leadership in Energy and Environmental (LEED) Silver certification. To date, that's more than 1.5 million gross square feet of LEED space.



Reducing Emissions

NC State has a goal to reach climate neutrality by 2050. Energy use is the single largest contributor to emissions on campus (about 75%).

Emissions FY 2008 - 2021

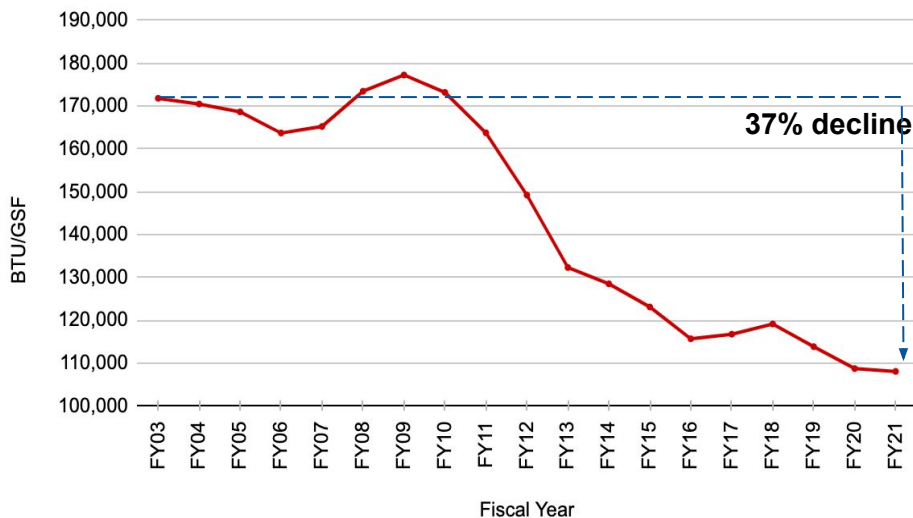


View the online emissions dashboard: go.ncsu.edu/ghg

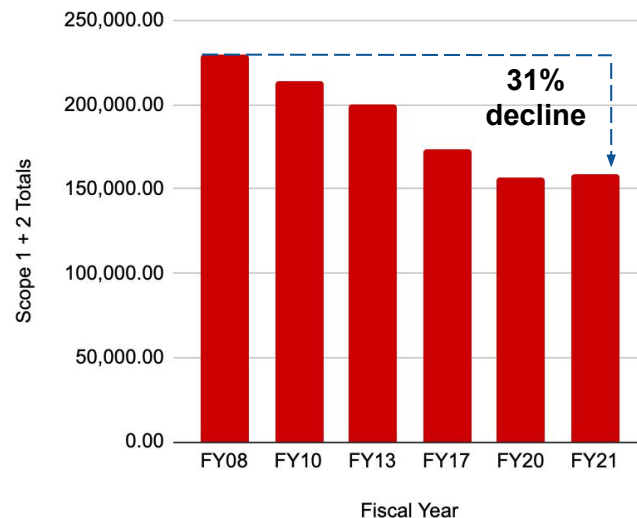
Reducing Energy Use

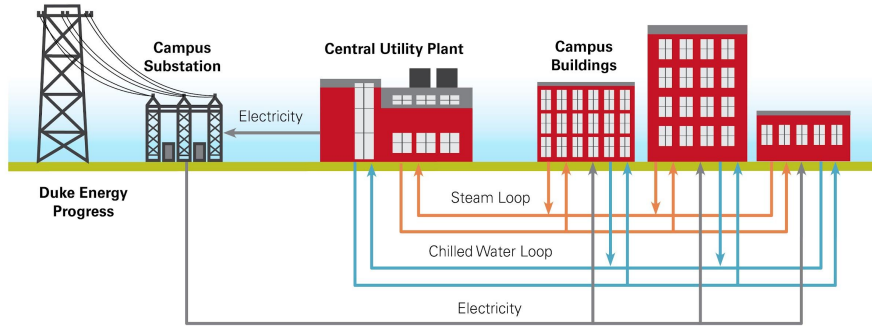
NC State has a goal to reduce EUI by 40%.

NC State Energy Use Intensity (BTU/GSF)



Scope 1 and 2 Emissions





Cogeneration technology at two utility plants generates more than 40% of campus electricity consumption on-site.



LED retrofits and other **energy conservation projects** boost efficiency



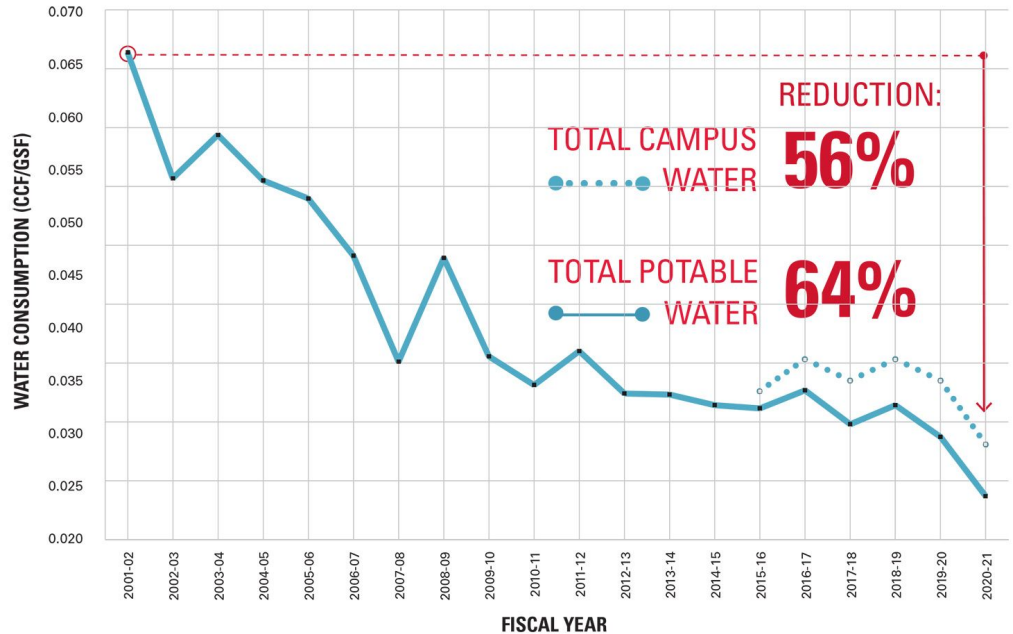
More than \$10 million in avoided energy costs from **commissioning** buildings



More than \$5 million in avoided energy costs from **winter holiday setback**

Reducing Water Use

NC State's goal is to reduce water use intensity by 65%. Green roofs and other stormwater management help reduce and filter runoff.



Toward Zero Waste

The university's goal is a 70% landfill diversion rate.
All compostable material collected goes to NC State's
Compost Facility and Research Cooperative.

61%

of campus waste
diverted from the
landfill in FY2021



1,200 acres

are actively landscaped,
managed and maintained by
Grounds Services. This
includes 10,000+ trees.



Pollinator meadow on Centennial



Grounds Services is converting some landscaping equipment from gasoline to electric for reduced emissions



Mail Services' partnership with junk mail reduction services helps save trees and reduce paper waste



University Housekeeping was the first university in NC and 6th in the nation to earn Green Seal certification



Student-led edible garden

700+

participants in alternate commuter program offered by Transportation, which also manages Wolfline bus system, 22 EV charging stations and bicycling programs

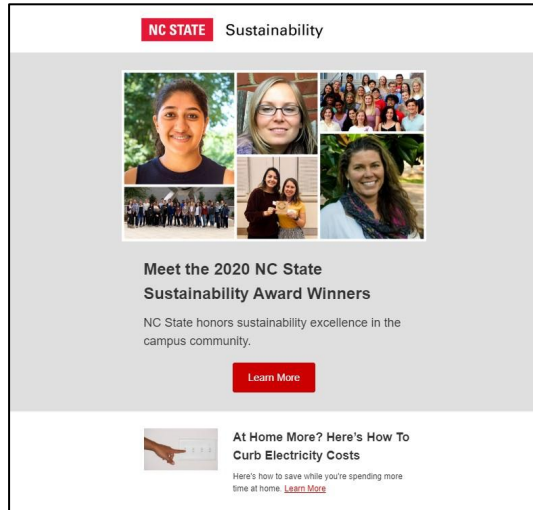
17%

of NC State Dining food purchases are from local sources, including Agroecology Education Farm on campus



Communications

Propel awareness and sustainability at and beyond NC State.



@NCStateSustain



@NCStateSustainability



@NCStateSustain

Get Involved

- Provide input for the new Sustainability Strategic Plan
- Incorporate a campus sustainability project into a course
- Submit a proposal to the Sustainability Fund
- Certify your department for sustainability

