



UNIVERSITY OF CALIFORNIA
SANTA CRUZ
1965–2015

Sustainability

2015 ANNUAL REPORT



UCSC's Great Meadow
with original Cowell Ranch fenceposts.
Photo by Ansel Adams, 1965



CAMPUS SUSTAINABILITY PLAN

This Annual Sustainability Report demonstrates progress towards the 2013-16 Campus Sustainability Plan and UC Office of the President systemwide goals.

We have made progress across all topic areas and have achieved many of the goals established in the 2013-16 Sustainability Plan.

We are diversifying traditional notions of sustainability by engaging more community members than we ever have before. Our campus has launched a new Sustainability minor program, and we are utilizing more renewable energy sources to support campus operations.

We continue to build on the achievements made . . . committed to progress and bound by the responsibility we have to our campus environment, the people who live and work here and the world we all share.

Our Campus Sustainability Plan will be updated in 2016 with goals that push us to steadily and energetically create a more sustainable campus.

Highlights



Awareness, Education, and Engagement

Developed a new Sustainability minor, available to all students in any major.

Buildings and Facilities

The Cogeneration Plant Replacement Phase 1 project was awarded Gold under the Leadership in Energy and Environmental Design (LEED) New Construction certification.



Energy and Greenhouse Gases

The Sustainability Office, Energy Services Department, and Physical Planning & Construction partnered this year to lead a campuswide climate and energy planning process that will help UCSC develop a roadmap to carbon neutrality by 2025.

2013-16 Campus Sustainability Plan. Our progress.

	Achieved	Progressing	We can do better
 <p>Awareness, Education, and Engagement</p>	<p>Document and promote sustainability learning opportunities via curricular and co-curricular opportunities and through campus communications.</p>	<p>Integrate sustainability into campus tours and orientation activities.</p> <p>Develop a web tool to show live sustainability data.</p> <p>Provide assistance to develop internship positions for sustainability working groups.</p> <p>Engage faculty to identify and implement strategies to support sustainability research and teaching.</p> <p>Utilize the campus as a living laboratory in order to link the operational and academic aspects of the university.</p> <p>Develop and promote educational videos for CSP topic areas.</p>	<p>Develop a strategic communications plan to publicize campus sustainability opportunities and progress.</p>
 <p>Buildings and Facilities</p>	<p>Develop and implement internal guidelines and procedures to incorporate sustainability in renovation projects under \$5 million and other capital projects that do not fall under the purview of UC Sustainable Practices Policy III-A and V-A.</p> <p>In addition to the requirements of UC Sustainable Practices Policy III-E and V-E, develop and implement internal guidelines and procedures to incorporate energy savings and sustainable practices in deferred maintenance and major repair projects.</p> <p>Develop and implement internal guidelines and procedures to incorporate energy savings, sustainable practices, and green materials into planned maintenance and repair practices not included in campus's LEED EB: O&M Master Site.</p> <p>For each new major capital project assess the feasibility of achieving "Net Zero" energy use.</p>	<p>Develop and implement internal guidelines and procedures to incorporate sustainability in renovation projects under \$5 million and other capital projects that do not fall under the purview of UC Sustainable Practices Policy III-A and V-A.</p> <p>In addition to the requirements of UC Sustainable Practices Policy III-E and V-E, develop and implement internal guidelines and procedures to incorporate energy savings and sustainable practices in deferred maintenance and major repair projects.</p> <p>Develop and implement internal guidelines and procedures to incorporate energy savings, sustainable practices, and green materials into planned maintenance and repair practices not included in campus's LEED EB: O&M Master Site.</p> <p>For each new major capital project assess the feasibility of achieving "Net Zero" energy use.</p>	<p>Partner with research entities on and off campus to explore new technologies (e.g., Electric Power Research Institute).</p> <p>Create a pilot web-based tool that allows users to view operations information for three types of campus buildings (e.g., classroom, administrative, residence hall).</p> <p>Identify, share, and acknowledge established sustainability practices that occur within facilities.</p>
 <p>Energy and Greenhouse Gas</p>	<p>Procure electricity for UCSC that has a Renewable Portfolio Standard (RPS) 15% higher than state required minimum (25%) by 2016.</p> <p>Develop strategic energy plan for 2015-20 that reduces campus energy use by at least 15%.</p> <p>Actively pursue funding opportunities to support four intern positions within staff departments to help accomplish energy initiatives by 2016.</p>	<p>Create consortium focused on energy research with specific goal of reducing energy use and GHG emissions through application of existing technologies.</p> <p>Procure biogas that reduces the annual campus stationary combustion emissions to less than or equal to 20,000 metric tons by 2015.</p> <p>Identify permanent funding source to continue to employ staff currently funded by the Strategic Energy Partnership (SEP) by 2015.</p>	<p>Develop and begin implementation of a prescribed curriculum for campus-wide, energy-focused behavior change program, including development of educational videos, to support the execution of the 2013 Climate Action Plan.</p> <p>Establish Green Revolving Loan Fund of at least \$250,000 by Fall 2013, with first applications received in Winter 2014.</p> <p>Actively pursue funding opportunities to hire at least one full-time dedicated staff to work on energy efficiency in auxiliary units by 2015.</p>

Highlights

Land, Habitat, Watershed

International Drought Experiment plots were installed at Younger Lagoon Reserve, the Arboretum, and the Campus Natural Reserve as part of a global network designed to monitor the sensitivity of a variety of terrestrial ecosystems to drought.



Water

Received national recognition as a Top Performer from the Association for the Advancement of Sustainability in Higher Education for reducing potable water consumption.



Transportation

For the first time, the campus was awarded a Silver Bicycle Friendly University Award from the League of American Bicyclists.

Campus Sustainability Plan continued

Achieved

Progressing

We can do better



Land, Habitat and Watershed

Develop and begin implementing an academic plan centered on increasing the use of campus natural lands for education, research and outreach.

Support >150 student interns and >500 volunteers actively engaged with stewardship, ecological research, and environmental education projects on the main campus each year. Engage >5,000 students in >35 formal undergraduate courses annually in educational, research, and/or stewardship activities on campus natural lands.

Assess and create tracking systems for campus natural land use to set a baseline of current use.

Actively pursue funding opportunities for permanent staff and operational resources to implement critical stewardship programs and initiatives that 1) support instruction and research; 2) support environmental compliance and protect sensitive species and habitats; and 3) enhance community safety and responsible enjoyment of campus natural areas.

Create and implement a Landscape Management Plan for UCSC's main campus that includes a Fire and Vegetation Management Plan (FVMP) and Invasive Species Management Plan (ISMP). These plans will implement effective habitat and sensitive species management and restoration and establish priorities for specific projects.



Water

Increase water use efficiency by 5% through: 1) detecting leaks; 2) replacing old meters; 3) installing meters where necessary.

Initiate three pilot projects that explore and examine non-potable supply options by 2016.

Create and administer fundamental water management training for campus community utilizing Learning Management System by end of FY 2014.

Develop and maintain a Water Action Plan that identifies the campus's long-term strategies for achieving sustainable water systems.

Decrease weighted campus user demand by 5–10%.

Develop a system to provide timely data and feedback on water use to the on- and off-campus community.

Incorporate water education into residential programs for new students.



Transportation

Maintain average daily trips to UCSC main campus below levels defined by Comprehensive Settlement Agreement (CSA).

Reduce CO2 emissions from 2009–10 levels for campus fleet vehicles by 15%, (excluding emissions from van-pools and campus transit).

Conduct research and pilot-test development of an alternate funding model based on transportation-related GHG emissions, parking, and transportation costs.

Determine baseline for on-campus travel modes by campus transportation survey and set target for future reductions.

Determine baseline for air travel emissions and set target reduction goals.

Reduce campus transportation's reliance on fossil fuels.

Develop internships or other educational links to academic interests related to transportation.

Decrease person-trips to and from main campus using SOV autos from 35% to 30% by 2016.

Highlights



Procurement

Procurement Services collaborated with Colleges, Housing and Educational Services and Covanta to keep over four tons of non-biodegradable carpet waste out of our local landfills while generating clean, renewable energy.

Waste Reduction

Launched the campus's first-ever zero waste resource recovery model at the McHenry Library, including collection stations for compost, paper recycling, container recycling, and refuse.






Food

Food Systems Working Group conducted over thirty events, reaching over 8,000 students, staff, and faculty with education, training, and food systems engagement.



Campus Sustainability Plan continued

	Achieved	Progressing	We can do better
 Procurement	<p>Identify competitive pricing for 100% post-consumer waste 8.5x11 white multi-purpose printing and copy paper to provide an incentive for increased campuswide use.</p> <p>Ensure Environmentally Preferable Product training is part of CruzBuy training and that responsibility for doing so is a stated performance objective for the CruzBuy help desk.</p> <p>Use the Staff Human Resources Learning Management System platform to share Environmentally Preferable Product information.</p> <p>Develop and utilize tool for benchmarking suppliers' sustainability profile by spring 2015.</p>	<p>Increase products flagged as Environmentally Preferable Products (EPP) in CruzBuy by 5% from 2012 figure by end of FY 2016.</p> <p>Create and implement a life-cycle cost analysis tool for campus buyers by end of FY 2016.</p> <p>Incorporate metrics that capture suppliers' progress toward more sustainable business practices and operations.</p>	<p>Increase EPP office supply purchases by 150% from 2012 figures by end of FY 2015.</p>
 Waste Reduction	<p>Create tracking systems for all material streams and establish a centralized location for waste reduction data.</p> <p>Create a centralized and comprehensive website link that clearly communicates recycling, composting, and waste disposal resources and locations across campus.</p>	<p>Develop formalized procedures for supporting, promoting, and tracking zero waste events modeled on existing Catering Services practices.</p> <p>Increase efficiency of current recycling, compost, and other resource recovery initiatives through the creation of a material processing facility on campus.</p> <p>Explore opportunities to expand the current Dining Services compost collection infrastructure to serve a greater portion of the campus, including reporting on the viability of creating an on-campus or local composting facility.</p> <p>Evaluate the current fee structure and identify sustainable sources of funding to increase staff capacity for waste reduction education and material management.</p>	<p>Develop waste reduction training for campus staff utilizing the campus's online Learning Management System.</p> <p>Explore the viability of creating a location on campus where items can be traded and re-used among students, faculty, and staff across campus.</p>
 Food	<p>Develop and complete effective tracking mechanism for "Real Food" procurement by Fall 2013 for UCSC Dining Services.</p> <p>Have at least two contract service vendors green business certified by Fall 2015.</p> <p>Increase undergraduate student hands-on involvement at the farm and campus garden sites.</p> <p>Host 20 food agriculture educational events for students per year.</p> <p>Implement a pilot Lean Path training strategy in at least one dining hall by January 2014.</p>	<p>Bring all contracted food locations to 20% "Real Food" by 2016.</p> <p>Develop residential waste diversion and composting education modules for all colleges by 2016.</p> <p>Establish an agroecology and food justice orientation program for new and transfer students by Fall 2015.</p> <p>Establish and sustain experiential learning sites co-managed by students throughout the calendar year at all colleges by Fall 2016.</p>	<p>Reduce overall food waste and composting tonnage by 10% of 2012 levels by 2016.</p> <p>Increase and sustain 35% "Real Food" purchases by 2016 across UCSC Dining Services.</p>



Living Laboratory Opportunities

Academic learning is brought to life at UC Santa Cruz through a variety of opportunities that link research, teaching, and campus operations by utilizing the campus as a living laboratory to explore, understand, and solve sustainability challenges. This section characterizes the campus academic, co-curricular, and research programs and projects that utilize UCSC as a living laboratory.

ARBORETUM

Research and teaching facility committed to plant conservation that serves both the campus and the public. Its rich and diverse collection, containing representatives of more than 300 plant families, provides beginning students with a broad survey of the plant kingdom. Facilities for growing plants offer students and research faculty opportunities to experiment with living plants and their ecosystems.

CAMPUS NATURAL RESERVE

Provides outdoor classrooms and living laboratories for students and faculty across academic disciplines. The Reserve sponsors internships and volunteer opportunities in environmental education, ecology, and stewardship, and provides teaching and logistical support for undergraduate courses to connect their classroom learning with hands-on examples of course concepts in the field.



CENTER FOR AGROECOLOGY AND SUSTAINABLE FOOD SYSTEMS (CASFS)

Research, education, and public service program dedicated to increasing ecological sustainability and social justice in the food and agriculture system. CASFS operates the two-acre Alan Chadwick Garden and the 25-acre Farm. Both sites are managed using organic production methods and serve as research, teaching, and training facilities for students, staff, and faculty.

EDUCATION FOR SUSTAINABLE LIVING PROGRAM (ESLP)

Collaborative and interdisciplinary student-led effort to reshape the way students learn and engage them in projects that support sustainability on campus. ESLP supports student-led two and five-unit sections, hosts guest speakers, and inspires participants to internalize the concept of sustainability within academia and greater society.

FRIENDS OF THE COMMUNITY AGROECOLOGY NETWORK (FOCAN)

Student-initiated, student-led organization on campus that supports CAN's mission of promoting rural livelihoods and sustainable food systems through action education and participatory action research.

GREEN OFFICE CERTIFICATION PROGRAM

Educates and encourages faculty and staff to work toward a more sustainable campus by providing them with a framework for implementing waste reduction and conservation practices in their workplace.

IMPACT DESIGNS: ENGINEERING AND SUSTAINABILITY THROUGH STUDENT SERVICE (IDEASS)

Interdisciplinary five-unit upper division capstone course open to students from all majors but with emphasis on building relations between social science (especially environmental studies) and engineering. Students plan, implement, and evaluate "green-tech" community based (mainly off campus) service-learning projects.



INSTRUCTIONAL GREENHOUSES

The facility is funded by the Division of Physical and Biological Sciences and the Division of Social Sciences and serves all students in the campus community. Designed for student use, the facility includes five greenhouses, two large outdoor classrooms, and a lab holding a collection of over 700 species of diverse plants from around the world.

AWARENESS, EDUCATION, ENGAGEMENT

Improving campuswide environmental performance means not only transforming infrastructure, operations, and policies, but also expanding knowledge and changing behavior. This section characterizes opportunities to learn about and engage in sustainability through classes, research, and co-curricular opportunities.



COLLEGE 8, KRESGE COLLEGE, AND STEVENSON COLLEGE GARDENS

College-based gardens provide opportunities for students to share skills and develop gardening experience through gardening work days, internships, and educational workshops.

LIFE LAB GARDEN CLASSROOM

Farm and garden-based education that promotes experiential learning for all ages through children's camps, field trips, youth and internship programs, and teacher workshops. They have also created curricula and workshops for educators interested in bringing learning to life in gardens nationwide.

MUSEUM OF NATURAL HISTORY

Houses collections of plants, fungi, lichens, marine algae, insects, fish, amphibians, reptiles, birds, mammals, and skeletons for research and teaching purposes. The museum is actively cataloging and expanding its collections and is involved in multiple internships, research projects, classroom laboratory exercises, and cooperative ventures with other organizations. The museum also maintains a large assortment of field research equipment.

PROGRAM IN COMMUNITY AND AGROECOLOGY (PICA)

The PICA residential program offers students an alternative to standard residence hall living on campus and demonstrates the link between healthy communities and healthy food systems. PICA residents grow organic food together, direct a composting program, participate in weekly community meals, and organize three campuswide sustainability events a quarter. Many PICA activities take place in the Sustainable Living Center at the Village, which has a kitchen, urban garden, outdoor classroom, and meeting room.

PROVOST'S SUSTAINABILITY INTERNSHIP PROGRAM (PSI)

Year-long combination course/internship, sponsored by the University Provost, that helps students develop competencies necessary to become effective environmental professionals and leaders. Students are paired with staff or faculty mentors and work collaboratively with them on projects and research that help the campus reach its sustainability goals.

SIERRA INSTITUTE

Introduces students to outdoor experiences as a venue for learning about the environment. It is a for-credit outdoor learning program that gives students fifteen units per academic quarter of learning, traveling, and outdoor activities.



ZERO WASTE PROGRAMS

Campuswide collaborative waste reduction initiatives strive to improve campus waste diversion. Highlights include efforts by Ground Services and the student-led Zero Waste Team to increase zero waste events across campus, the installation of electronic monitoring systems to track dumpster fill rates, and the launch of the campus's first ever zero waste collection model at the McHenry Library, which includes compost, recycling, and refuse receptacles at all interior collection stations.



Student Fee Measures and Initiatives

STUDENT FEE MEASURE 24: TRANSPORTATION

The Student Transit Fee originated in 1972 to fund unlimited "fare-free" ridership by UCSC students on the Santa Cruz Metropolitan Transit District (SCMTD) buses operating within Santa Cruz County. In 1988 use of the fee was extended to include Campus Transit operations. In 2014-15, the fee generated \$6.12 million in revenue, which funded the transport of 2.63 million UCSC student riders on SCMTD and another 2.17 million passengers on Day, Night, and Night Owl buses operated by TAPS Campus Transit. In 2014-15, SCMTD ridership (and billings) increased by 6.4% while Campus Transit ridership dropped by 1.1% during this time.

STUDENT FEE MEASURE 43: SUSTAINABLE FOOD, HEALTH, AND WELLNESS

Provides funding (\$3.75/undergraduate student/quarter) for programming and educational support related to sustainable food, health, and wellness initiatives, for on-campus and off-campus undergraduate students. In 2014-15, the fee supported the annual Campus Food & Garden Guide publication, three large annual events serving over 4,000 students, six quarterly speaker and education based workshop events serving over 400 students, two regular year round dining partnership promotion programs (Meatless Mondays and Farm Fridays) serving between 600-1,000 students weekly, four in-class presentations and co-curricular programming activities classes serving over 600 students, as well as additional faculty, staff, and student partnership programs funded that includes food access and security efforts to justice, equity, and agroecology endeavors.

STUDENT FEE MEASURE 44: CARBON FUND

In 2010, UCSC students voted in record numbers to pass Measure 44, creating UCSC's Carbon Fund to provide funding for projects that reduce greenhouse gas emissions (\$3/student/quarter). During 2014-2015, the Carbon Fund awarded \$148,202 to 18 projects.

STUDENT FEE MEASURE 45: SUSTAINABILITY INTERNSHIPS

Provides funding (\$2.75/undergraduate student/quarter) for the Sustainability Office to hire student interns and fund collaborative projects outlined in the Campus Sustainability Plan. In 2014-15, the measure supported 25 student internships and provided professional development and relationship-building opportunities to 103 students, through the annual Sustainability Inter-Organizational Retreat and other sustainability related conferences.

CAMPUS SUSTAINABILITY COUNCIL

Provides funding (\$3/undergraduate student/quarter) to the Campus Sustainability Council to award grants to student organizations for programs and events that create, implement, and monitor environmentally sound practices on campus as established through the protocol outlined in the Blueprint for a Sustainable Campus. In Winter and Spring 2015, CSC awarded \$96,865 in project funds for 12 organizations or projects.

BLUEPRINT FOR A SUSTAINABLE CAMPUS

The Blueprint for a Sustainable Campus is a multi-use, living document that strives to encompass the current visions of students, faculty, staff, and community members. Ideas for future sustainability projects and programs are collected at topic-specific Blueprint Breakout gatherings throughout winter quarter, culminating in the annual Earth Summit celebration in spring quarter. This document is meant to serve as a launching point for students to create meaningful, collaborative projects on campus that inspire lasting change.

REAL FOOD CHALLENGE

Commits UCSC to meet or exceed 40% of real food purchases in dining services by 2020. Currently UCSC has exceeded 20% by 2020, as mandated by the UCOP Sustainability Practices Policy and is operating at a 22% real food level.

Events

EARTH SUMMIT

A student-led event organized by the Student Environmental Center (SEC) that is the culmination of an annual planning process to develop the Blueprint for a Sustainable Campus document. It includes educational workshops, guest speakers, and information-sharing opportunities.

OPERS FALL FESTIVAL

The Office of Physical Education, Recreation and Sports hosts the annual Fall Festival, the campus's largest zero waste event. 93% of waste was diverted from the landfill at the 2014 Fall Fest, and the event included 6,000 campus community members, 225 organizations, and more than 4,400 meals served by Dining Services.



SUSTAINABILITY INTER-ORGANIZATIONAL RETREAT

The 5th Annual Sustainability Inter-Organizational Retreat brought 101 students and staff together to foster a shared vision of sustainability, share best practices, learn through workshops, and develop collaborations to solve environmental challenges on campus.

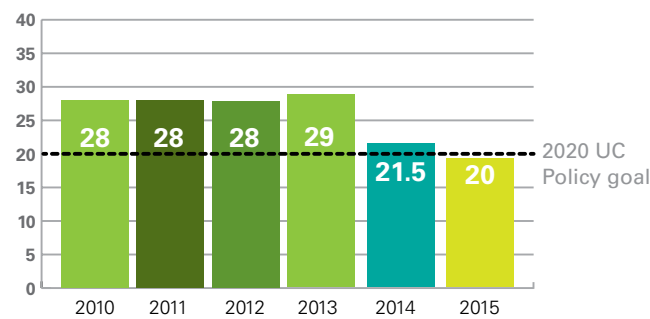
UCSC BIONEERS CONFERENCE

In May 2015, the Common Ground Center hosted the first annual UCSC Bioneers Conference. Bioneers is a national organization that holds a conference in Marin County every fall focused on social and environmental justice. Modeled after the national conference, the UCSC Bioneers Conference included two days of transformation and connection. It featured over 30 plenaries and workshops with visionary activists, scholars and students; an evening World Cafe conversation and drum circle; and local food vendors.

University of California Systemwide Sustainability Goals



% Sustainable Food Purchases for Residential Dining Facilities

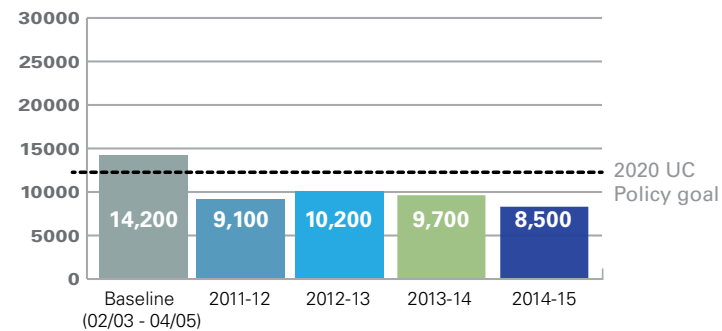


The campus has taken a lead role in coordinating the implementation of the Office of the President's Global Food Initiative across the UC system.

In FY 2014-15, the amount of food purchased by UCSC residential dining services that met one or more sustainable food criteria dropped slightly below 20%.

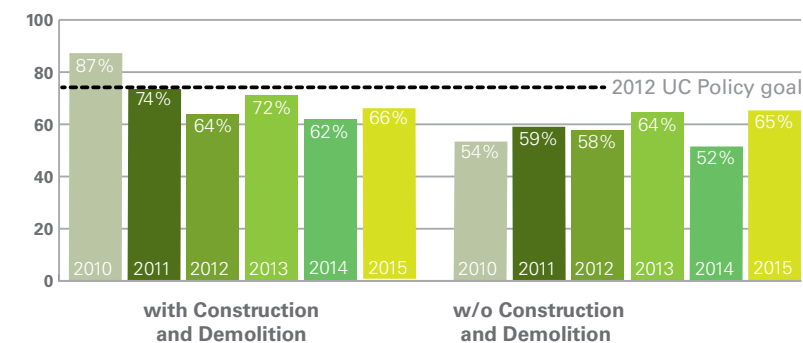
UCSC residential dining services is still on track to exceed the 2020 Policy goal of 20% sustainable food purchases.

Potable Water Consumption (Gallons per Capita)



In FY 2014-15, UCSC consumed 8,479 gallons of potable water per capita. This is a 40% reduction from its FY 2002-03 to FY 2004-05 baseline. The campus has outperformed the 2020 Policy goal of reducing potable water consumption by 20% below the baseline.

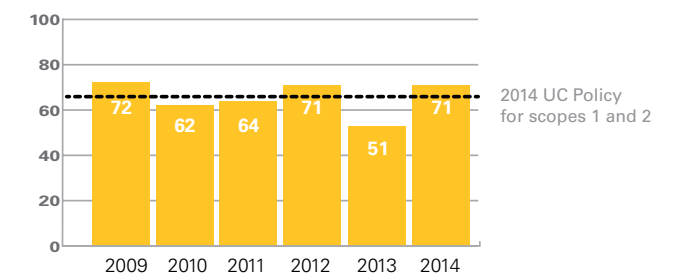
% Solid Waste Diverted from Landfill



In FY 2014-15, UCSC increased efficiencies in collection systems and increased its diversion rate by 5% from FY 2013-14.

Construction and demolition (C&D) waste did not affect the diversion rate in FY 2014-15 because there were few C&D projects.

Greenhouse Gas Emissions (Thousand Metric Tons of CO₂eq. measured in calendar years)



Scopes 1-3 emissions are reported here. In 2014, UCSC GHG emissions totaled 85,464 metric tons. Scope 1 emissions decreased by 19% and Scope 2 emissions increased by 16%. Scope 3 emissions rose significantly due to a change in reporting data.

Scopes 1 and 2 emissions in 2014 were less than 1990 levels, so UCSC met the 2014 policy goal and is on track to meet the 2020 policy goals.

UC's goal for achieving carbon neutrality by 2025 requires UCSC to reduce all of its scope 1 and 2 emissions.

Annual Sustainability Metrics for UC Santa Cruz

All energy data is reported in Calendar Years	1990	2000	2010	2011	2012	2013	2014	2015
Energy								
Greenhouse Gas Emissions (MTCO2e)	56,512	66,077	64,584	62,185	70,496	51,062	70,702	Pending
Million BTU Per Square Foot			0.098	0.099	0.095	0.082	0.0644	Pending
Maintained Gross Square Footage (MGSF)			5,545,980	5,585,634	5,754,434	5,585,249	5,585,249	5,571,724
Electricity (kWh)			35,960,026	35,780,618	39,022,650	43,458,646	48,888,831	Pending
Natural Gas (Therms)			4,253,414	4,376,251	4,097,690	3,106,466	2,063,089	Pending
Propane (Gallons)			24,096	31,362	44,035	34,702	Pending	Pending
Diesel (Gallons)			11,556	19,246	16,311	3,050	0	Pending
Electricity from PG&E (MWh)			31,992	unavailable	35,120	43,453	48,888,831	Pending
Electricity Generated On-Site (MWh)			19,808	unavailable	15,640	5,663	0	Pending
Renewable Electricity			0	0	0	0	207.16	Pending
GHG Emissions by Scope (Scope 1 includes onsite sources of combustion, i.e. cogeneration plant, and mobile sources from the campus fleet. Scope 2 includes purchased electricity. Scope 3 includes emissions from air travel, commuters, purchased goods, waste, etc.)	Scope 1: 16,989.2 Scope 2: 4135.6	Scope 1: 19,681.4 Scope 2: 8383	Scope 1: 30,573.6 Scope 2: 20,257.4	Scope 1: 26,906.2 Scope 2: 10,759.3			Scope 1: 15,167 Scope 2: 9,899 Scope 3: 45,636	Pending
Data in Fiscal Years (unless otherwise noted)	1989-90	1999-2000	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Buildings and Facilities								
LEED Buildings (Outside Gross Square Footage–OGSF) ¹			281,908	316,942	430,729	528,593	528,593	390,667
Total Campus Outside Gross Square Footage ²		3,915,623	5,693,505	5,729,245	5,659,559	5,754,434	5,912,909	5,541,682
UCSC Leased Property (Square Footage)			314,202	309,516	165,431	164,248	164,708	167,436
% LEED Certified of Total OGSF			4.95%	6.03%	7.61%	9.18%	13.00%	7%
% Sustainably Operated and Maintained OGSF						84%	85%	87%
Awareness, Education, and Engagement								
Number of Faculty Engaged in Sustainability Research, by Division:								
Division of Physical and Biological Sciences						52	52	52
Division of Social Sciences						17	17	41
Jack Baskin School of Engineering						16	16	22
Division of Humanities						15	15	14
Division of the Arts						7	7	8
Total Number of Faculty Engaged in Sustainability Research						107	107	137
Number of Sustainability-Related Courses, by Division:								
Division of Physical and Biological Sciences						44	41	70
Division of Social Sciences						113	103	112
Colleges						51	53	41
Jack Baskin School of Engineering						19	19	24
Division of Humanities								4
Division of the Arts								4
Total Number of Sustainability Courses						227	216	255
Food								
UC Dining Pre- and Post-Consumer Food Scraps Composted (Tons)			300	510	494	562	638	683
% "Real Food" Purchased by UCSC Dining						28%	22%	22%

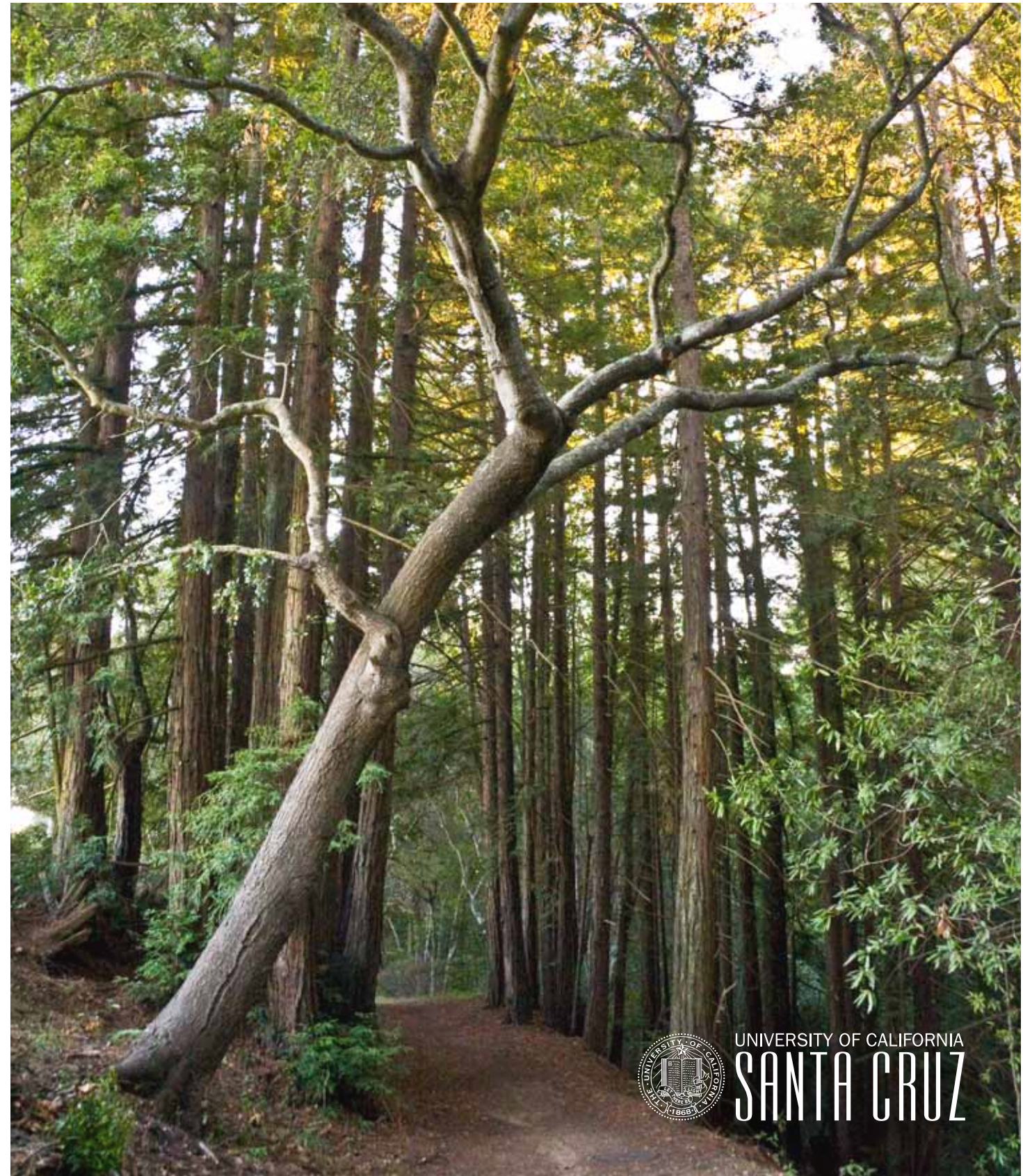
¹ The methodology for collecting this data has changed since prior years, resulting in a lower total.

² Engineering Sciences Building 2 received a LEED Silver Certification under EB: v2.0 in 2009. However, the certification has lapsed as of 2014.

Data in Fiscal Years (unless otherwise noted)	1989-90	1999-2000	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Land, Habitat, Watershed								
Annual Interns & Volunteers			Interns: 55 Volunteers: 144	Interns: 14 Volunteers: 173	Interns: 41 Volunteers: 145	Interns: 92 Volunteers: 233	Interns: 141 Volunteers: 250	Interns: 170 Volunteers: 237
Proportion of Campus Mapped for Invasive Species						4%	32%	35%
# Classes Visiting Campus Natural Lands ³				12	14	23	59	60
# Students in Courses Visiting Campus Natural Lands				500	500	1,192	3,093	3,232
Procurement Services								
% of Total Spend - OfficeMax Purchases with Environmentally Preferable Content (EPP)			36.0%	31.25%	51.60%	35.10%	25.28%	25.42%
Paper Purchases in Cases: ⁴ Virgin/0% PCW 30% PCW 50% PCW 100% PCW			Virgin: 263 30%: 3615 50%: 35 100%: 325	Virgin: 195 30%: 2567 50%: 56 100%: 185	Virgin: 346 30%: 2595 50%: 92 100%: 217	Virgin: 518 30%: 2,171 50%: 120 100%: 237	Virgin: 3876 30%: 1050.60 50%: 6720 100%: 526.2	Virgin: 158.7 30%: 10179 50%: 48 100%: 345
Average % PCW Content of Purchased Paper			33.7%	32.8%	32%	31.2%	43.1%	42.9%
Average % Rate of Growth Each Year # of Line Items with "Green" Indicator			11.14%	14.47%	19.31%	17.40%	15.35%	14.29%
Transportation								
% of UCSC Traffic in Single Occupant Vehicles			35%	34%	35%	34%	34%	36%
Annual Weekday Average Daily Vehicular Trips	18,517	21,898	22,136	21,248	20,201	19,210	19,623	20,755
Campus Fleet Fuel Use Breakdown (Gallons)			Diesel: 77,886 Unleaded: 139,306 CNG: 3,741	Diesel: 88,805 Unleaded: 140,660 CNG: 3,302	Diesel: 90,859 Unleaded: 130,659 CNG: 5,671	Diesel: 89,884 Unleaded: 123,512 CNG: 5,994	Diesel: 85,215 Unleaded: 123,929 CNG: 8,533	Diesel: 87,016 Unleaded: 125,659 CNG: 9,057
Total Campus Fleet Fuel Use (Gallons)			220,933	232,768	227,189	219,390	217,677	221,732
Water								
Water Usage (mGal)			169.28	178.28	160.49	176.85	170.04	152.78
Main Campus Annual Water per Weighted Campus User (Per Capita Potable Water Use) (Gallons)				14,200	9,100	10,200	9,700	8,479
% of Campus Water Usage by Irrigation					22%	29.2%	26.4%	20.49%
% of Campus Water Usage by Academics					11%	9.5%	9.7%	10.61%
% of Campus Water Usage by Dining/Kitchens					7%	6.8%	7.6%	6.85%
% of Campus Water Usage by Laboratories					4%	5.1%	5.1%	5.57%
% of Campus Water Usage by Mechanical					5%	4.1%	3.1%	3.10%
% of Campus Water Usage by Recreational					2%	1.7%	2.2%	2.19%
% of Campus Water Usage by Residential					49%	43.6%	45.9%	51.15%
Waste Reduction								
% Non-Construction Waste Diverted			54%	59%	58%	64%	52%	66%
% Construction Waste Diverted			96%	93%	83%	99.6%	93.10%	72%
% Total Diverted			87%	74%	63.7%	72%	62%	65%
Dining Hall Compost Diverted from Landfill			300	510.14	503.26	561.56	638	666
Total Waste Generation per Weighted Campus User								160
Other								
Total Student Enrollment (3-Quarter Average)	10,863	11,735	16,332	16,451	16,704	16,753	16,543	17,276

³ Calendar years 2010, 2011, 2012, 2013

⁴ 8.5"x11" white 20 lb. bond paper



LOOKING FORWARD

We have accomplished so much as a campus in our last 50 years, pioneering the way for sustainability through our organic farming, water conservation, transportation, and many other innovative approaches. We honor and carry with us the achievements of those who came before us as we look forward to the next 50 years of sustainability at UC Santa Cruz.

