



UC SANTA CRUZ

Sustainability

2014 ANNUAL PROGRESS REPORT



CAMPUS SUSTAINABILITY PLAN

This Annual Sustainability Progress Report reflects the last year of reporting progress on the 2010-13 Campus Sustainability Plan. This does not mark an end, but rather a beginning and an opportunity for reflection.

For each topic area we have made progress and often achieved many of the goals established in the 2010-13 Sustainability Plan. We are tracking academic courses and engaging more community members than we ever have before. Our campus energy is coming from more renewable sources than it did three years ago, and we launched a pilot zero waste collection model at the McHenry Library.

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.

Next year our Campus Sustainability Plan will be updated and we will refresh our goals—steadily and energetically pursuing and creating a more sustainable campus.



Highlights

Awareness, Education, and Engagement

Created UCSC's first living lab map which identifies places where students, staff, and faculty can go to learn about and practice sustainability on campus.



Buildings

The campus was awarded 15 LEED New Construction Master Site Points under topics including Sustainable Sites, Water Efficiency, Energy and Atmosphere, and Indoor Air Quality.

Energy

The Energy Department implemented several dozen energy efficiency projects this year, saving the campus over 1.8M kWh/yr and 175K therms.



2013-16 Campus Sustainability Plan. Our progress.

Achieved

Progressing

We can do better



Awareness, Education, and Engagement

Document and promote sustainability learning opportunities via curricular and co-curricular opportunities and through campus communications.

Integrate sustainability into campus tours and orientation activities.

Develop a web tool to show live sustainability data.

Provide assistance to develop internship positions for sustainability working groups.

Engage faculty to identify and implement strategies to support sustainability research and teaching.

Utilize the campus as a living laboratory in order to link the operational and academic aspects of the university.

Develop a strategic communications plan to publicize campus sustainability opportunities and progress.

Develop and promote educational videos for CSP topic areas.



Buildings and Facilities

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.

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.

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.

For each new major capital project assess the feasibility of achieving "Net Zero" energy use.

Partner with research entities on and off campus to explore new technologies (e.g., Electric Power Research Institute).

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).

Identify, share, and acknowledge established sustainability practices that occur within facilities.



Energy and Greenhouse Gases

Procure electricity for UCSC that has a Renewable Portfolio Standard (RPS) 15% higher than state required minimum (25%) by 2016.

Create consortium focused on energy research with specific goal of reducing energy use and GHG emissions through application of existing technologies.

Actively pursue funding opportunities to support four intern positions within staff departments to help accomplish energy initiatives by 2016.

Develop strategic energy plan for 2015-20 that reduces campus energy use by at least 15%.

Procure biogas that reduces the annual campus stationary combustion emissions to less than or equal to 20,000 metric tons by 2015.

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.

Establish Green Revolving Loan Fund of at least \$250,000 by Fall 2013, with first applications received in Winter 2014.

Actively pursue funding opportunities to hire at least one full-time dedicated staff to work on energy efficiency in auxiliary units by 2015.

Identify permanent funding source to continue to employ staff currently funded by the Strategic Energy Partnership (SEP) by 2015.

Highlights



Land, Habitat, Watershed

The UCSC Campus Natural Reserve Academic Plan acts a road map for providing a diverse set of field experiences for students and strategies for getting courses into the outdoor classrooms that our campus natural lands provide.



Water




UCSC achieved an average 26% reduction in peak season water usage from 2012 and 2013 baselines as part of the campus's response to severe drought conditions.



Transportation

UCSC installed six new electric vehicle (EV) charging stations on campus. Utilization and demand continues to grow serving 133 unique EV drivers in the past year and providing 8.75 MWh of energy.

Campus Sustainability Plan continued

| | Achieved | Progressing | We can do better |
|--|---|---|--|
|  <p>Land, Habitat, and Watershed</p> | <p>Develop and begin implementing an academic plan centered on increasing the use of campus natural lands for education, research, and outreach.</p> | <p>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.</p> <p>Assess and create tracking systems for campus natural land use to set a baseline of current use.</p> <p>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.</p> <p>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.</p> | |
|  <p>Water</p> | <p>Increase water use efficiency by 5% through: 1) detecting leaks; 2) replacing old meters; and 3) installing meters where necessary.</p> <p>Develop and maintain a Water Action Plan that identifies the campus's long-term strategies for achieving sustainable water systems.</p> | <p>Initiate three pilot projects that explore and examine non-potable supply options by 2016.</p> <p>Decrease weighted campus user demand by 5–10%.</p> <p>Develop a system to provide timely data and feedback on water use to the on- and off-campus community.</p> <p>Incorporate water education into residential programs for new students.</p> | <p>Create and administer fundamental water management training for campus community utilizing Learning Management System by end of FY 2014.</p> |
|  <p>Transportation</p> | <p>Maintain average daily trips to UCSC main campus below levels defined by Comprehensive Settlement Agreement (CSA).</p> <p>Determine baseline for on-campus travel modes by campus transportation survey and set target for future reductions.</p> <p>Develop internships or other educational links to academic interests related to transportation.</p> | <p>Reduce CO2 emissions from 2009–10 levels for campus fleet vehicles by 15%, (excluding emissions from van-pools and campus transit).</p> <p>Determine baseline for air travel emissions and set target reduction goals.</p> <p>Reduce campus transportation's reliance on fossil fuels.</p> <p>Decrease person-trips to and from main campus using SOV autos from 35% to 30% by 2016.</p> | <p>Conduct research and pilot-test development of an alternate funding model based on transportation-related GHG emissions, parking, and transportation costs.</p> |

Highlights



Procurement

Increased use of 100% post-consumer waste recycled content paper by 122% and reduced overall paper use by 33% since fiscal year 2013.

Waste Reduction

Identified and funded space for the development of a campus recycle yard, including the potential for an on-site composting facility.



Food

UCSC Dining and food systems efforts succeeded in developing an annual staff and student food procurement assessment process for all campus food sites, and collaborated on over thirty annual events engaging the campus community on food, agriculture, and social justice.



| | 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 (EPP) 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 EPP information.</p> | <p>Increase products flagged as 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>Develop and utilize tool for benchmarking suppliers' sustainability profile by spring 2015.</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>Increase and sustain 35% "Real Food" purchases by 2016 across UCSC Dining Services.</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>Implement a pilot Lean Path training strategy in at least one dining hall by January 2014.</p> <p>Establish an agro-ecology 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> |



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.

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.

CURRICULUM

In 2013-14 UCSC offered 351 courses that were focused on or related to sustainability. The Sustainability Minor through College Eight was approved and will begin in fall 2014. Sample Courses: EE80S—Includes guest lecture series with invited speakers from across disciplines and weekly interactive lab activities. EE80J—Focus on Renewable Energy Systems. Lecture and lab series where students explore different sources and renewable energy technologies. College Eight two-unit tutorial—Food, Water and Energy topics. For a complete list of sustainability courses visit sustainability.ucsc.edu.

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, 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 community 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.

COLLEGE 8, KRESGE 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 dorm 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 campus-wide sustainability events a quarter.

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.

RESEARCH HIGHLIGHTS

111 faculty members across all academic divisions engaged in research related to sustainability. Environmental Studies soil scientist, Weixin Cheng, is the lead researcher on a new a three-year, \$800,000 grant investigating

how the activities of living plant roots break down organic matter in soil to better understand the release rate of carbon dioxide, which has implications for climate change.

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 out-door activities.

SUSTAINABLE LIVING CENTER (SLC)

The Sustainable Living Center is a model action education center at UCSC where students apply classroom knowledge in real settings, gain hands-on experience in sustainable technologies and community food systems, and prepare for becoming environmental educators and leaders.

ZERO WASTE PROGRAMS

Campus-wide collaborate waste-reduction initiatives strive to improve campus waste diversion. Highlights include efforts by Grounds 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 Chancellor's Sustainability Challenge to Reduce Waste, a campus-wide educational and behavior change campaign.



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 2013-14, the fee generated \$5.93 million in revenue, which funded the transport of 2.32 million UCSC student riders on SCMTD and another 2.21 million passengers on Day, Night, and Night Owl buses operated by TAPS Campus Transit. In 2013-14 SCMTD ridership (and billings) dropped by 0.14% while Campus Transit ridership dropped by 8.8% during this time.



STUDENT FEE MEASURE 43: FOOD, HEALTH AND WELLNESS

Provides funding for programming and educational support related to sustainable food, health, and wellness initiatives, for on-campus and off-campus undergraduate students. In 2013-14 the fee generated \$106,000, which supported the annual *Campus Food & Garden Guide* publication, five large annual events serving over 4,000 students, eight quarterly events serving 400 students, two regular year round dining partnership promotion programs (Meatless Mondays and Farm Fridays) serving

between 600-1,000 students weekly, six classes serving over 600 students, as well as additional faculty, staff, and student partnership programs funded.

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. During the 2013-2014 academic year the Carbon Fund received an allocation of \$114,752. A total of \$144,818.40 was allocated to 24 projects in the 2013-2014 funding cycle.

STUDENT FEE MEASURE 45: SUSTAINABILITY INTERNSHIPS

Provides funding (\$2.75/student/quarter) for the Sustainability Office to hire student interns and fund collaborative projects outlined in the Campus Sustainability Plan. In 2013-14 the measure generated roughly \$85,000, which supported one staff position, 37 student internships, and provided professional development and relationship-building opportunities to 137 students working on sustainability issues, through the annual Sustainability Inter-Organizational Retreat.

CAMPUS SUSTAINABILITY COUNCIL

Provides funding to registered UCSC 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 2013, CSC funded projects in seven organizations for a total of \$36,000.

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 that have come together to share their ideas and goals for the future of UCSC at the annual Campus Earth Summit event. 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

ANNUAL END-OF-YEAR SUSTAINABILITY CELEBRATION

Annual event where students, staff, and faculty across campus come together to celebrate accomplishments. The event includes a poster symposium of student and staff sustainability projects.

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 kicks off the school year with the annual Fall Festival, the campus's largest zero waste



event. 93% of waste was diverted from the landfill at the 2014 Fall Fest through composting, recycling, and waste reduction initiatives. The event included 6,000 campus community members, 225 organizations, and more than 4,400 meals served by Dining Services.

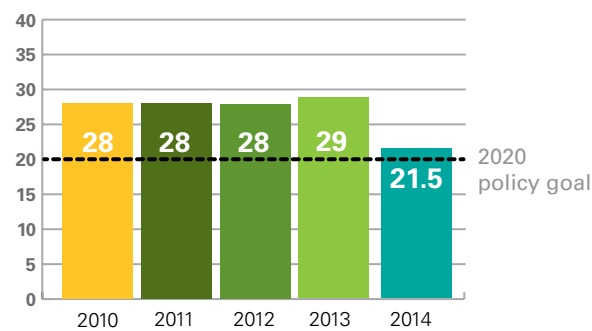
SUSTAINABILITY INTER-ORGANIZATIONAL RETREAT

The Sustainability Inter-Organizational Retreat brings students and staff together to foster a shared vision of sustainability, share best practices, learn through workshops, and develop collaborations to implement innovative solutions to environmental challenges on campus.

University of California systemwide sustainability goals.



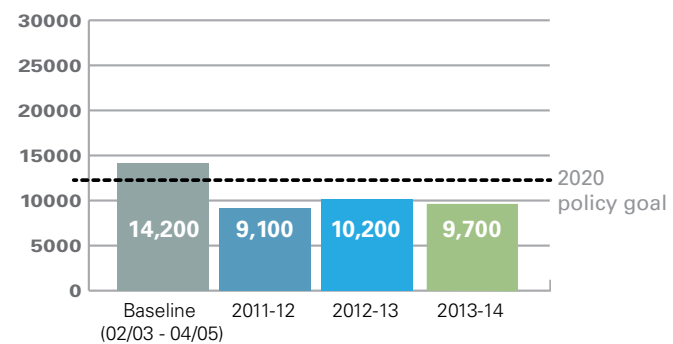
% Sustainable Food Purchases for Residential Dining Facilities



In FY 2013–14, the amount of food purchased by UC Santa Cruz’s residential dining services that met one or more sustainable food criteria dropped slightly due to some contracting changes. The campus anticipates that the percentage will increase again in FY 2014–15.

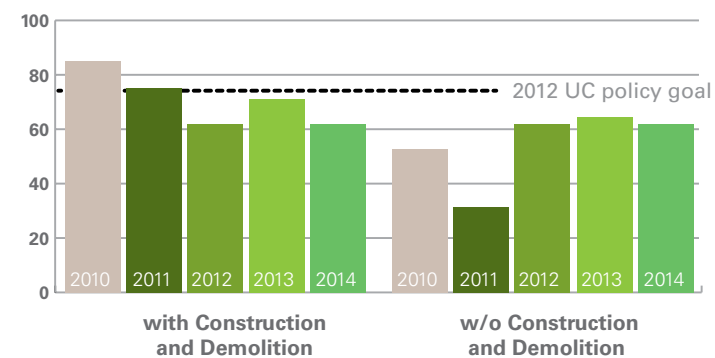
UCSC’s residential dining services continues to outperform the 2020 policy goal of 20% sustainable food purchases.

Potable Water Consumption (Gallons per Capita)



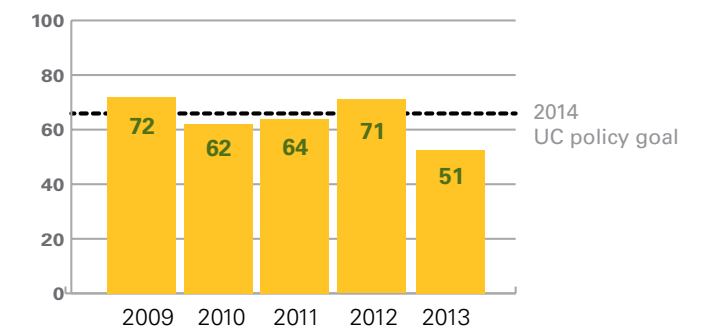
In FY 2013–14, UC Santa Cruz consumed 9,700 gallons of potable water per capita. This is a 31% reduction from its FY 2002–03 to FY 2004–05 baseline. The campus has outperformed the 2020 policy goal of reducing potable water consumption by 20% below the baseline.

% Solid Waste Diverted from Landfill



In FY 2013–14, the UC Santa Cruz campus diverted 62% of its waste from the landfill. Food waste and other compostable items in the refuse stream continue to be the primary challenge to achieving zero waste. The most successful compost collection program has been implemented at Dining Services, which composted 638 tons of material in FY 2013-14.

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



Scopes 1-3 emissions are reported here. In 2013, Santa Cruz’ GHG emissions totaled 51,000 metric tons, a decrease in Scope 1 emissions by 24% and in Scope 3 emissions by 19%, while Scope 2 emissions increased 6% from 2012.

Total emissions in 2013 were lower than 1990 levels and UCSC is on track to meet the 2014 and 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

| Data in Fiscal Years (unless otherwise noted) | 1989-90 | 1999-2000 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 |
|--|--|--|--|--|--|--|--|
| Awareness, Education, and Engagement | | | | | | | |
| Number of Faculty Engaged in Sustainability Research, by division: | | | | | | | |
| Division of Physical and Biological Sciences | | | | | 52 | 52 | |
| Division of Social Sciences | | | | | 17 | 17 | |
| Jack Baskin School of Engineering | | | | | 16 | 16 | |
| Division of Humanities | | | | | 15 | 15 | |
| Division of the Arts | | | | | 7 | 7 | |
| Number of Sustainability-Related Courses, by division: | | | | | | | |
| Division of Physical and Biological Sciences | | | | | 44 | 41 | |
| Division of Social Sciences | | | | | 113 | 103 | |
| Colleges | | | | | 51 | 53 | |
| Jack Baskin School of Engineering | | | | | 19 | 19 | |
| Buildings & Facilities | | | | | | | |
| LEED Buildings (Outside Gross Square Footage) | | | 281,908 | 316,942 | 430,729 | 528,593 | 528,593 |
| Total Campus Outside Gross Square Footage | | 3,915,623 | 5,693,505 | 5,729,245 | 5,659,559 | 5,754,434 | 5,912,909 |
| UCSC Leased Property (Square Footage) | | | 314,202 | 309,516 | 165,431 | 164,248 | 164,708 |
| Cumulative LEED Total | | | 281,908 | 345,235 | 430,729 | 528,593 | 703,867 |
| LEED Certified % of Total OGSF | | | 4.95% | 6.03% | 7.61% | 9.18% | 13% |
| Sustainably Operated and Maintained OGSF (%) | | | | | | 84% | 85% |
| Energy *All energy data is reported in Calendar Years* | | | | | | | |
| Greenhouse Gas Emissions (MTCO2e) | 56,512 | 66,077 | 64,584 | 62,185 | 70,496 | 51,062 | 46,342 |
| MMBTU/MGSF | | | 0.098 | 0.099 | 0.095 | 0.082 | 0.0644 |
| Maintained Gross Square Footage (MGSF) | | | 5,545,980 | 5,585,634 | 5,754,434 | 5,585,249 | 5,585,249 |
| Electricity (kWh) | | | 35,960,026 | 35,780,618 | 39,022,650 | 43,458,646 | 48,888,831 |
| Natural Gas (Therms) | | | 4,253,414 | 4,376,251 | 4,097,690 | 3,106,466 | 2,063,089.8 |
| Propane (Gallons) | | | 24,096 | 31,362 | 44,035 | 34,702 | Pending |
| Diesel (Gallons) | | | 11,556 | 19,246 | 16,311 | 3,050 | 0 |
| Electricity from PG&E | | | 31,992 | unavailable | 35,120 | 43,453 | 48,888,831 |
| Electricity Generated On-Site | | | 19,808 | unavailable | 15,640 | 5,663 | 0 |
| Renewable Electricity | | | 0 | 0 | 0 | 0 | 2076 |
| GHG Emissions by Scope | 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: 20,781 Scope 2: 7,199.35 | Scope 1: 1,16,470 Scope 2: 8,516.78 Scope 3: 26,076 | Scope 1: 10,939 Scope 2: 9,142.21 Scope 3: 26,261 |
| Food | | | | | | | |
| Dining Hall Compost Trucked (tons) | | | 300 | 510 | 494 | 562 | 638 |
| "Real Food" Purchased by UCSC Dining (%) | | | | | | 28% | 22% |
| All Other Food Purchased by UCSC Dining (%) | | | | | | 72 | Pending |
| Meat/Poultry/Seafood as % of Total Food Purchases | | | | | 25% | Pending | Pending |
| Dry Goods/Groceries as % of Total Food Purchases | | | | | 36% | Pending | Pending |
| Produce as % of Total Food Purchases | | | | | 17% | Pending | Pending |
| Eggs/Dairy as % of Total Food Purchases | | | | | 12% | Pending | Pending |
| Beverages as % of Total Food Purchases | | | | | 10% | Pending | Pending |

¹ 2006 data

² CY12 as of May 2012

| Data in Fiscal Years (unless otherwise noted) | 1989-90 | 1999-2000 | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 |
|--|---------|-----------|---|---|---|---|---|
| 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 |
| Proportion of Campus Mapped for Invasive Species | | | | | | 0.04 | 0.32 |
| # Classes Visiting Campus Natural Lands ³ | | | | 12 | 14 | 23.00 | 59 |
| # Students in Courses Visiting Campus Natural Lands | | | | 500 | 500 | 1,192.00 | 3093 |
| # Internships Visiting Campus Natural Lands | | | | 20 | 30 | 88.00 | 141 |
| Procurement Services | | | | | | | |
| % of Total Spend - OfficeMax Purchases with Environmentally Preferable Content (EPP) | | | 36.0% | 31.25% | 51.60% | 35.10% | 25.28% |
| Paper Purchases in Cases: ⁵ 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 ⁶ 30%: 2,171 50%: 120 100%: 237 | Virgin: 3876 30%: 1050.60 50%: 67.20 100%: 526.2 |
| Average % PCW Content of Purchased Paper | | | 33.7% | 32.8% | 32.0% | 31.2% | 43.1% |
| % of Total Spending on EPP with OfficeMax | | | 17.1% | 36% | 30.9% | 51.6% | 35.1% |
| %# of Line Items with "Green" Indicator | | | 05.93% | 11.14% | 14.47% | 19.31% | 17.40% |
| Transportation | | | | | | | |
| % of UCSC Traffic in Single Occupant Vehicles | | | 35% | 34% | 35% | 34% | 34% |
| Annual Weekday Average Daily Vehicular Trips | 18,517 | 21,898 | 22,136 | 21,248 | 20,201 | 19,210 | 19,623 |
| 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 |
| Total Campus Fleet Fuel Use (Gallons) | | | 220,933 | 232,768 | 227,189 | 219,390 | 217,677 |
| Water | | | | | | | |
| Water Usage (mGal) | | | 169.28 | 178.28 | 160.49 | 176.85 | 170.0391 |
| Main Campus Annual Water per Weighted Campus User (Per Capita Potable Water Use) (Gallons) | | | | 14,200 | 9,100 | 10,200 | 9,700 |
| % of Campus Water Usage by Irrigation | | | | | 22.0 | 29.2 | 26.4 |
| % of Campus Water Usage by Academics | | | | | 11.0 | 9.5 | 9.7 |
| % of Campus Water Usage by Dining/Kitchens | | | | | 7.0 | 6.8 | 7.6 |
| % of Campus Water Usage by Laboratories | | | | | 4.0 | 5.1 | 5.1 |
| % of Campus Water Usage by Mechanical | | | | | 5.0 | 4.1 | 3.1 |
| % of Campus Water Usage by Recreational | | | | | 2.0 | 1.7 | 2.2 |
| % of Campus Water Usage by Residential | | | | | 49.0 | 43.6 | 45.9 |
| Waste Reduction | | | | | | | |
| % Non-Construction Waste Diverted | | | 54% | 59% | 58% | 64% | 52% |
| % Construction Waste Diverted | | | 96% | 93% | 83% | 99.6% | 93.10% |
| % Total Diverted | | | 87% | 74% | 63.7% | 72% | 62% |
| Dining Hall Compost Diverted from Landfill | | | 300 | 510.14 | 503.26 | 561.56 | 638.00 |
| Other | | | | | | | |
| On-Campus Students (3-Quarter Average) | 10,863 | 11,735 | 16,332 | 16,451 | 16,704 | 16,753 | 16,840 |

³ Calendar years 2010, 2011, 2012, 2013

⁴ FY08 as of Q4 (Apr-Jun 2008)

⁵ 8.5"x11" white 20 lb. bond paper

⁶ Not tracked after FY 2010, as the metric changed to Per Capita Potable Water Use



LOOKING FORWARD

The goals of the 2013–16 Campus Sustainability Plan maintain the areas we still need to work on, but build on what we have accomplished, pushing us to continue setting new limits and striving to always do better—for our campus and our world.