

Buildings and Facilities

Sustainable Development and Operations



UCSC operates nearly 6 million square feet of built space, as well as roads, utilities, and other infrastructure that support campus programs. These diverse facilities offer many opportunities for sustainability in operation, maintenance, expansion, and renewal.

UCSC continues to be a leader in sustainable development and operations. Over the past three years, two projects received LEED Gold certification (Cowell Student Health Center and Porter College House A) and two received LEED Silver certification (Porter College Dining Commons and Porter College House B).

The Cowell College Commons received LEED CI certification. Overall, nearly 530,000 square feet is LEED certified, and UCSC will expand that total over the next three years. “Green workshops” were held early in the Detailed Project Program phase of several new projects to incorporate aggressive sustainability measures.

The recently opened Biomedical Sciences Facility raised the bar for sustainable lab design and was toured by over 100 lab design engineers. The campus continues to seek new approaches to sustainable operations and maintenance. For example, a major paving project utilized an innovative method that repro-

cessed existing pavement, eliminating the need for disposal and delivery.

Overall goals for 2013–16 include measures to exceed UC Sustainable Practices Policy; pursuing NetZero on major capital projects; developing sustainability policies for small projects; research and piloting of innovative technologies; and continuing UCSC’s sustainability leadership. Step by step, by 2020, the campus will be established as a model of comprehensive “greening” in planning, design, construction, operation, and maintenance, and our built environment will serve as a “classroom” for sustainable living.

Scope and Purpose

Design, build, operate, and maintain sustainable buildings and other UCSC facilities, to the maximum extent possible.

GOALS	OBJECTIVES
1. Increase percentage of developed campus area that is built, operated, and maintained according to sustainable practices.	<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>
2. Research and explore new and emerging technologies and/or policies to increase sustainable performance in existing and new campus facilities	<p>Partner with research entities on and off campus to explore new technologies (e.g., Electric Power Research Institute).</p> <p>For each new major capital project assess the feasibility of achieving “Net Zero” energy use.</p>
3. Increase awareness of and engagement in sustainability activities related to facilities construction and operations.	<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>

