

Water

Sustainable Water Use



Water delivered to the campus from the City of Santa Cruz comes entirely from local sources that are vulnerable to drought periods, and it is therefore a precious and limited natural resource. UCSC uses about 6% of the total area water demand and serves as the largest single water customer in the city's water service area.

Water use on the main campus has steadily declined by 21% since 2005, despite an overall increase in student

enrollment. Water use fluctuates by season and weather patterns, but overall campus reductions have been accomplished through three primary measures: 1) retrofits of high-flow plumbing fixtures; 2) education and outreach to the campus community; and 3) adjustments and monitoring of facility operations.

In pursuit of UCSC's overall vision of sustainable campus water demand, the campus is developing model sustainable water systems, reducing consumption through education and outreach, and

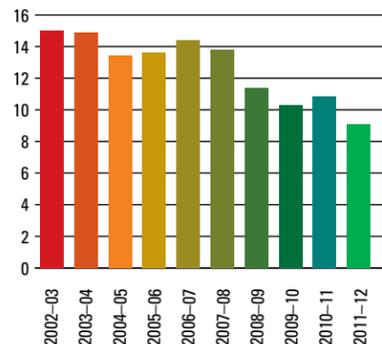
exploring non-potable sources. A key goal is to reduce average annual potable water use on the main campus by 20% from a baseline figure of 206 MGY¹. Additionally, the campus will continue research to identify and apply new technologies and improvements that reduce water consumption and/or increase efficiency. An important element of this ongoing effort will be student-directed programs that implement educational campaigns to promote behavioral change and reduce water consumption.

¹ MGY=million gallons per year. This figure is based on a calculated average from the years 2002-2007 and uses the term "UCSC campus" to include UCSC's main campus, the Marine Science Campus, and facilities at 2300 Delaware Avenue. Because of ongoing campus growth, maintaining potable water consumption at or below this level entails significant water conservation.

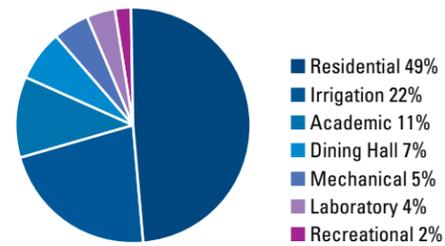
GOALS	OBJECTIVES
1. Research, identify, and apply new technologies and improvements that reduce campus water consumption and/or increase efficiency.	<p>Initiate three pilot projects that explore and examine non-potable supply options by 2016.</p> <p>Increase water use efficiency by 5% through: 1) detecting leaks; 2) replacing old meters; 3) installing meters where necessary.</p> <p>Decrease weighted campus user demand by 5–10%.</p> <p>Develop and maintain a Water Action Plan that identifies the campus's long-term strategies for achieving sustainable water systems.</p>
2. Implement ongoing student-directed effective educational campaigns to effect behavioral change and reduce water consumption.	<p>Develop a system to provide timely data and feedback on water use to the on- and off-campus community.</p> <p>Create and administer fundamental water management training for campus community utilizing Learning Management System by end of FY 2014.</p> <p>Incorporate water education into residential programs for new students.</p>

Key Metrics

Main Campus Annual Water per Weighted Campus User



Fiscal 2011-12 Main Campus Water Usage by Category



Scope and Purpose

To research, develop, and implement programs and strategies that minimize potable water use on the UCSC campus.