



FACT SHEET: STUDENT HOUSING



SUSTAINABILITY OPPORTUNITY

Approximately 11,000 students (90 percent of undergraduates and 60 percent of graduate students) live in one of the 80 residences on campus. To meet the demands of our environmentally conscious student body and reduce our operating expenses, Student Housing developed its Living Green campaign. The program partners with students to foster behavior change, improve the energy and water efficiency of existing buildings, and implement sustainable operational practices. As a result of our sustainability efforts, Student Housing has been able to reduce water use by almost 40%, steam consumption by 25%, and our total utility bill by \$6 million since 2000.

TOP INITIATIVES & RESULTS

Promoting Sustainable Living

Stanford promotes awareness of sustainability through efforts such as:

- The annual Conservation Cup, a dorm electricity and water efficiency competition organized in collaboration with Students for a Sustainable Stanford, resulted in savings of 5% in each of the past four years.
- Student Housing has teamed up with the Green Living Council to educate residents about sustainable practices and organize behavior change campaigns (such as enabling computer power management settings) in dorms and row houses.
- Student interns in the Green Campus Program, the first at any private university, are installing a dorm energy monitoring system, piloting energy-saving smart power strips, and creating carbon emissions statements for residents.
- Student research in the areas of renewable energy and energy efficient technology contribute to the development of sustainable retrofit projects, such as the Governor’s Corner solar hot water system.

Energy & Water Conservation

- Student Housing has reduced its water consumption by over 100 million gallons per year (37%) thanks to the installation of over 13,000 low-flow toilets, urinals, showerheads, and faucets.
- Replacing over 450 laundry machines with more efficient models has cut gas usage by 20% and saved 3 million gallons of water.

- Replacing over 10,000 lighting fixtures in student residences has saved over 2.1 million kilowatt-hours annually.
- In what we believe is the largest giveaway of its kind on any college campus in the country, Student Housing, in cooperation with Resource Solutions Group, distributed over 6,000 compact fluorescent lamps (CFLs) to student residents and other Stanford affiliates for use in personal lighting fixtures.

Waste Reduction and Procurement

Stanford Dining’s waste reduction and recycling efforts include:

- Student Housing composts food waste from all its student-managed row house kitchens.
- A comprehensive recycling program for glass, plastic, metal, eWaste, and batteries is available in all student residences.
- Student Housing is currently expanding compost collection to all graduate apartments and providing in-room recycling containers for every student.

Sustainable Building

- Student Housing integrates energy-efficient equipment, low-flow fixtures, automatic lighting controls, water-efficient landscaping, recycled carpet, and salvaged building materials into its renovations.
- The university has identified a site and obtained funding for Stanford’s Green Dorm, which will house 47 students, emit no net carbon, and generate more electricity than it uses.
- Where site parameters allow, photovoltaic and solar hot water systems are added to existing buildings to lower fossil fuel use.

MORE INFORMATION

LIVING GREEN

<http://livinggreen.stanford.edu>

CONTACT

Sustainable Student Housing: Kristin Parineh, Program Coordinator, kparineh@stanford.edu

Sustainability Programs: Fahmida Ahmed, Manager 650.721.1518, fahmida@stanford.edu

