

Community Assessment of Renewable Energy and Sustainability (CARES), University of California at Berkeley, Spring 2009

Goal

•Improve sustainable practices in the UC Berkeley residence halls

Objectives

- Develop an online educational tool that will
- 1.measure a dorm resident’s energy consumption, water usage, and waste generation
- 2.provide a personalized list of “green tips” to help reduce the resident’s ecological impact
- Install energy meters in each building in the residence halls to establish a real-time energy monitoring system

Current Tasks

- Developed survey to collect information on dorm residents’ ecological habits and awareness of UCB sustainability programs
- Developed footprint calculator to calculate dorm residents’ energy, water, and waste footprints

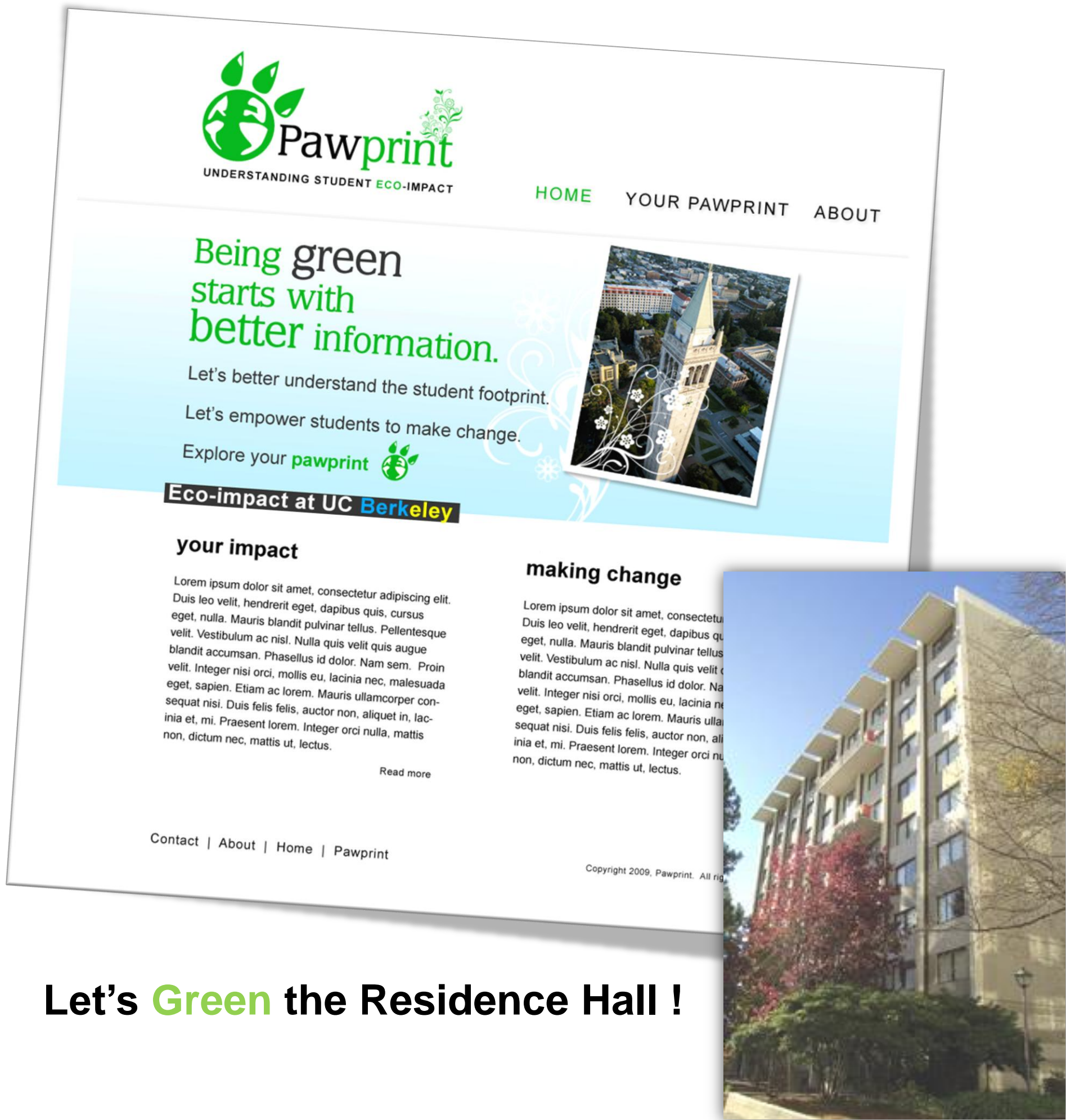
Next Steps

- Purchase meters to install in Unit 3 and implement a data monitoring system
- Conduct a preliminary survey in the residence halls

Pawprint Team Members

Brian Yeh (leader), 3rd year IEOR | Chris Chandler, 4th year CEE
Ricky Choi, 4th year ME | Lynn Hiel, 3rd year CEE & Architecture Minor
Kevin Huynh, 3rd year ME | Stacy Lee, 4th year English and Conservation & Resource Studies | Emma Strong, 3rd year CEE | Lisa Veliz, 3rd year CEE
Advisors: Prof. Alice Agogino, ME | Ryan Shelby, 3rd year Ph.D, ME

Pawprint Official Website

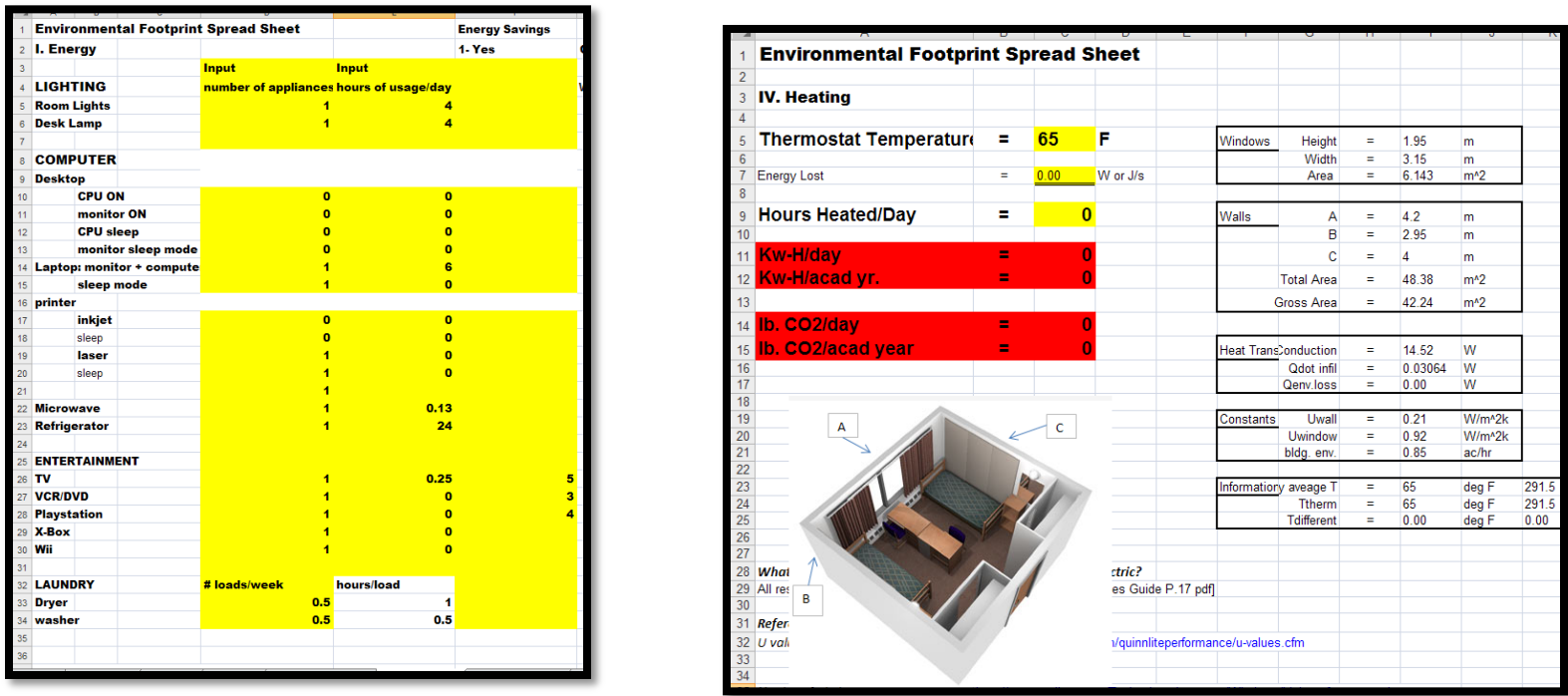


Let’s Green the Residence Hall !

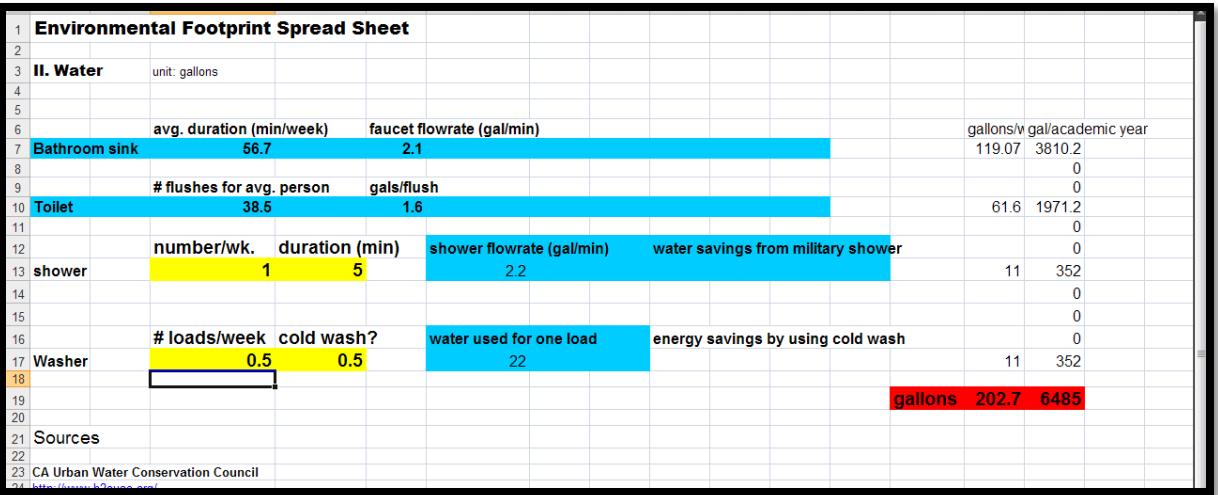
<http://www.housing.berkeley.edu/livingatcal/unit3.html>

Footprint Calculator

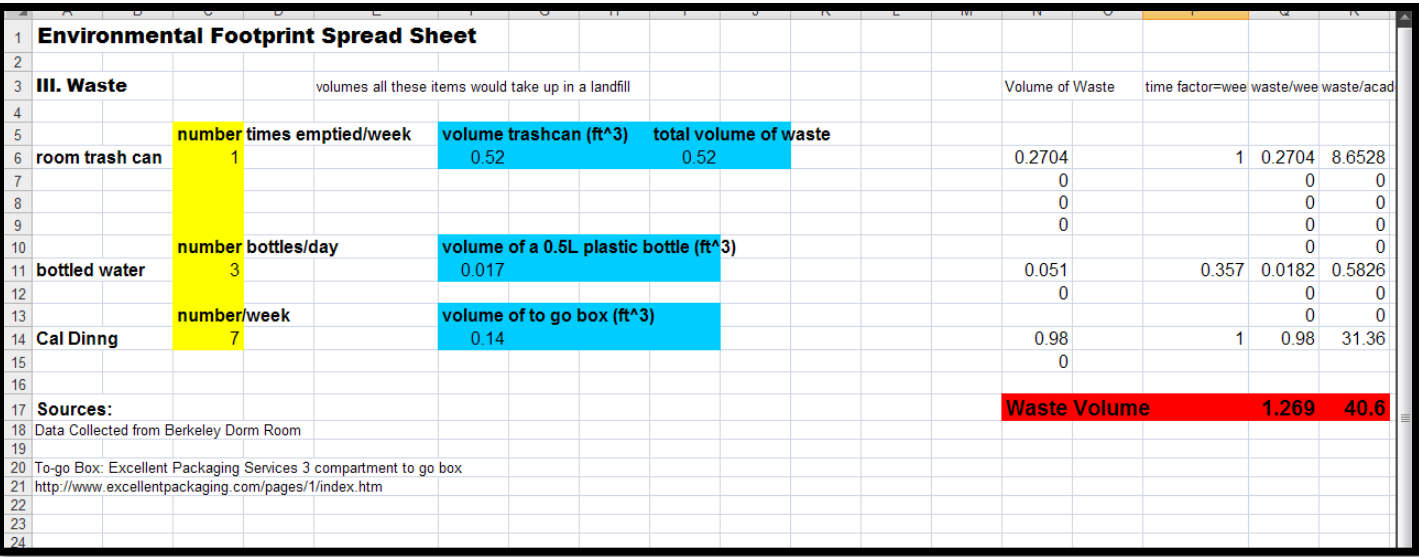
Energy



Water



Waste



Pawprint’s Missions

Energy Saving



Water Conservation



www.showerright.co.uk

Survey



Metering Individual Units



http://hwco.org/electric_system.htm

Big Green Ideas



www.livegreencincinnati.com

Waste, Energy, and Water Footprints

