

Stanford University Earth Day



Celebrating Sustainability on April 19, 2016 - Fact Sheet

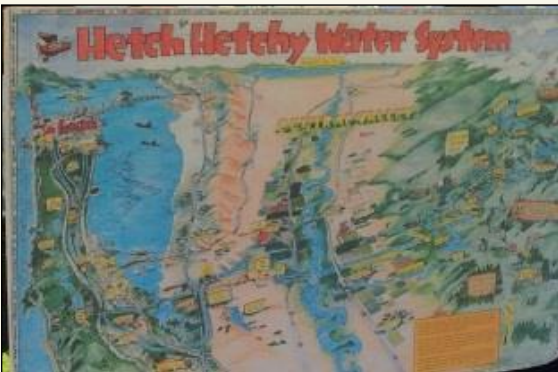
Stanford University | Water Planning & Stewardship

The **Celebrating Sustainability Fair** kicked-off Stanford's **Knowledge to Action: A Day of Events in Celebration of Earth Day**, bringing together students, staff and faculty from throughout all parts of campus to learn about and engage with the University's various sustainability partners. The Water Planning & Stewardship (WP&S) team hosted two tables. One table focused on environmental and water stewardship and the other focused on efficiency and conservation.

The WP&S table highlighted their stewardship and conservation goals and achievements by displaying many facts sheets, greater watershed maps, and highlighting projects. The team members also shared indoor and outdoor water-saving tips, advice on maintaining a lawn during a drought, background information on the San Francisco Creek Watershed and the Hetch Hetchy Water System, and an interactive game. This year's game featured a display board where the user could guess how much water each campus project saved and lift the flaps to find out the answers. Visitors were encouraged to sign-up to participate in one of the WP&S's upcoming Earth Day



Stanford's WP&S Team Members



The Hetch Hetchy System, cartoon by Phil Frank, 1995

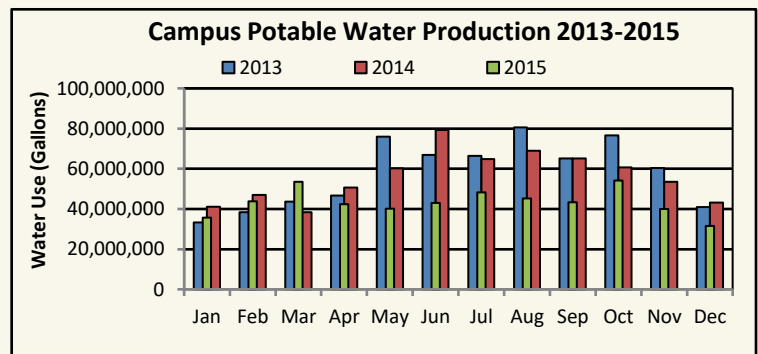
How Much Water Have We Saved?

- Gilbert Hall saved over 2.5 million gallons, reducing its water use by over 70%!
 - These results occurred in the first year after new water misers on autoclaves (equipment used to sterilize lab equipment) were installed.
- RD&E saved 33 million gallons, a 46% reduction.
 - 90 irrigation controllers were upgraded to weather-based models. 70 flow sensors and 70 meter valves were installed. 20,000 sprinkler heads and nozzles were replaced.
- The Water Efficiency Program's pilot test on weather-based irrigation controllers at the School of Medicine saved over 5,000 gallons per day, a reduction in water use of about 26%.
 - This pilot test saved nearly 2 million gallons per year!
- The upgrade to high efficiency toilets, faucets, and urinals at the School of Medicine saved nearly 200,000 gallons in the first year, a reduction of 44%. 15 toilets, 18 laboratory faucets, and 3 urinals were upgraded.

To get helpful conservation tips, find updated information about the drought, and find how Stanford is cutting back on water use, visit the WP&S website at suwater.stanford.edu. If you observe a leak on Stanford's campus please report it to the Stanford 24-Hour LBRE Operations Hotline at [650-723-2281](tel:650-723-2281).

Service projects by volunteering at the Arizona Garden, the Water Wise Garden, or the Foothills. 16 people signed-up to volunteer!

The four projects visitors learned about were water misers on autoclaves in Gilbert Hall, weather-based controllers for landscape irrigation at the School of Medicine, R&DE Irrigation Equipment Upgrade, and the Medical School Office Building's replacement of existing restroom fixtures.



Campus has reduced domestic water use while having grown 2.5 million sq. ft.