

# Sustainability at UCLA Walking Tour

## 1 Intramural Field Artificial Turf Project

Seven acres of turf on the Intramural Field were replaced with artificial turf in 2015 as part of UCLA's Water Action Plan. This project will save the University over 6.4 million gallons of water per year and increase year-round access to the playing field. Water saving



projects like turf replacement, fixture retrofits, and water recycling are critical for addressing California's drought.

## 2 Parking Lighting Retrofits

Replacing lighting in parking structures with LED and induction lighting is saving the campus over 4.5 million kilowatt-hours of electricity per year. The newer installations are also bi-level, meaning the lights dim when there is no one around and brighten when cars or people approach. These retrofits are part of a comprehensive energy efficiency program that saves the University over \$5 million annually.

## 3 Pauley Pavilion

The iconic Pauley Pavilion was renovated to be LEED Gold certified. The building is also the first sports venue at UCLA to move towards zero waste as part of UCLA's participation in the Green Sports Alliance. Students in the Action Research Team program designed a campaign to promote zero waste at games and other events in the venue.

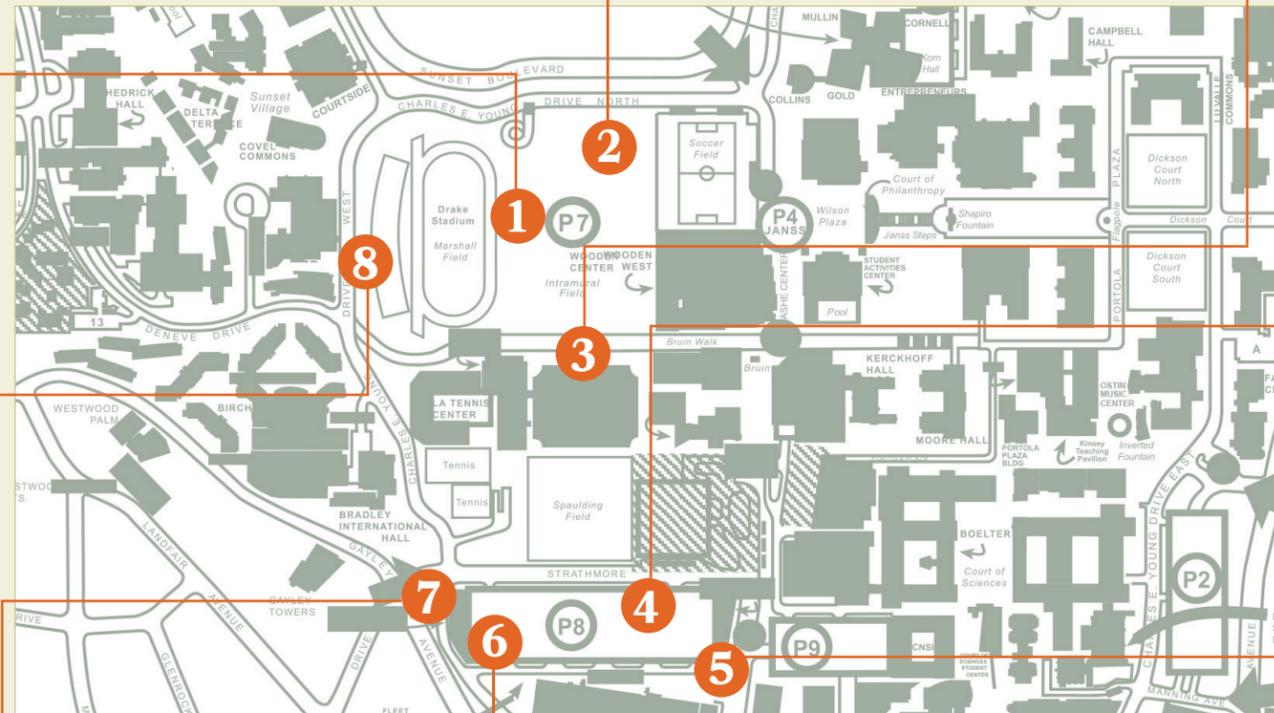
## 4 Electric Vehicle Charging Research

Multi-point chargers designed by the UCLA Smart Grid Energy Research Center can be found in parking structures across campus. Drivers can control the charging of their vehicle from an app on their phones.



## 8 Bruin Plate

UCLA's award winning residential restaurant features healthy and sustainable menus, and over 20% of the food is sustainable—locally sourced, organic, fair trade, or other responsible labels. It is also certified by the Green Restaurant Association. Bruin Plate is part of the new Carnesale Commons, a LEED Gold rated facility that features cradle to cradle carpet, extensive daylighting and controls, and other sustainable features.



## 7 Compressed Natural Gas (CNG) Station

Publicly accessible CNG station supports cleaner fuels and is used by many local entities including limousine companies that serve environmentally conscious celebrities. Over half of UCLA's fleet is already sustainable fuel vehicles such as electric, hybrid, biofuels or hydrogen.



## 6 Cogeneration Plant

UCLA's 42-megawatt Cogeneration Plant provides most of the electricity and almost all the heating and cooling for the University. The plant, built in 1994, has provided over 20 years of efficient power for UCLA by using the waste heat from power generation to produce steam and chilled water for building heating and cooling. Some of the gas used at the plant comes from a local landfill in the Sepulveda Pass, turning waste into fuel. As the campus moves toward carbon neutrality in 2025, more of the gas supply will be biogas.



## 5 Bicycle Repair Station

UCLA has installed a number of bicycle repair stations across campus as part of a comprehensive suite of programs to support active transportation. The campus is expanding infrastructure like bike lanes and racks, and offers services and incentives through the UCLA Bike Shop and Bruin Commuter Club and partnerships with UCLA Recreation and Healthy Campus Initiative committees. A bike share system will be coming to UCLA in 2016.



# Additional Points of Interest



## Stone Canyon Creek Restoration

UCLA has partnered with the Santa Monica Bay Foundation to help restore the ecosystem of this section of unburied creek on the UCLA campus. Serving as a 'living classroom' for the school, the newly established vegetation removes pollutants from the water to improve water quality and serves as habitat to birds and other wildlife on campus. Students and faculty are studying biodiversity on campus at Stone Canyon and other areas and are contributing to the Sustainable LA Grand Challenge, a university-wide research project involving over 150 faculty across 40 departments, that focuses on moving the whole LA region to 100% sustainability in water and energy while enhancing biodiversity.

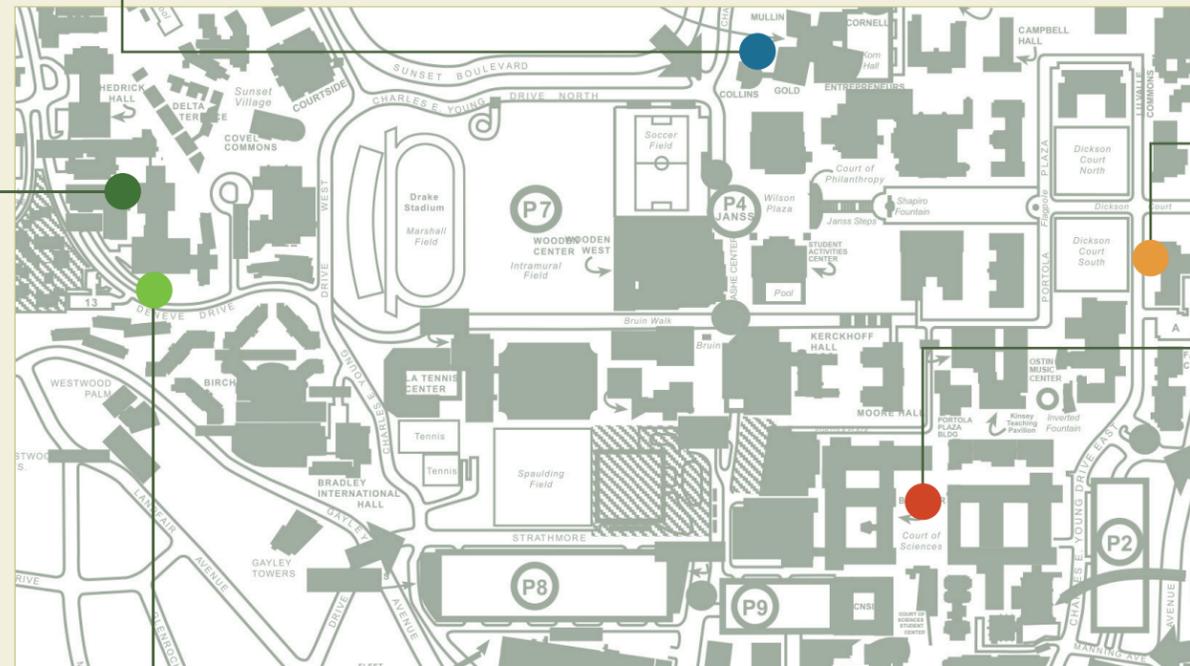


## Drought Tolerant Landscaping

As part of UCLA's water conservation efforts, over 73,000 square feet of ornamental turf are being replaced with drought tolerant landscaping. New building projects also feature drought tolerant landscaping including the Ostin Music Center, Semel Institute, Court of Sciences Student Center and the Luskin Conference Center, which will be completed in 2016.

## Solar Water Heating on the Residence Halls

UCLA has installed solar water heating systems on several different residence halls. Rieber, Hedrick, Sproul and Dykstra Halls all have flat panel systems, while De Neve Gardenia and Holly, Sproul Cove and Carnesale Commons all have newer solar water heating systems that use an evaporated tube technology. The tubes allow more than 90% of the sun's radiation in, but less than 5% back out. These systems reduce natural gas usage and greenhouse gas emissions, and save money for the campus.



## Green Roof at Court of Sciences Student Center

The Court of Sciences Student Center is a LEED Gold facility that features a "green roof" of native and drought tolerant landscaping. Green roofs reduce stormwater runoff and help keep the building cool, reducing energy usage. The landscaping at this building features plants from different California habitats from riparian to high desert.

## Sustainable Living Community

UCLA's Sustainable Living Community is a sustainability theme floor in Rieber Hall. It provides a living and learning environment where students are encouraged to consciously expand their awareness and apply their knowledge of sustainability through environmental responsibility and advocacy. The program won the 2015 Best Practice Award in the Student Sustainability Program category for the CA Higher Education Sustainability Conference.

For more information visit [www.sustain.ucla.edu](http://www.sustain.ucla.edu)