

Cal State Fullerton's

SUSTAINABILITY CAMPUS TOUR

Welcome to the Cal State Fullerton Sustainability Campus Tour. We are proud to be a national leader in sustainability related research, teaching, and campus operations. Follow this walk through campus to learn how CSUF students, faculty, and staff are working to address climate change and improve human and environmental health.

This tour features locations that showcase CSUF's efforts to transform our campus into a truly sustainable campus.

If you would like to learn more about the University's work, please visit the Office of Sustainability website and follow our social media @sustaincsuf.

“The true meaning of life is to plant trees, under whose shade you do not expect to sit.”

- Nelson Henderson

CALIFORNIA STATE UNIVERSITY
OFFICE OF SUSTAINABILITY



Fruit Orchards

Produce

The fruit orchards provide local, fresh fruits including apples, pomegranates and, of course, oranges. The trees also act as a wildlife habitat for birds. Support your local produce farms to help reduce transportation emissions from farm to plate.



College of Business and Economics

LEED Silver Equivalent

Located in one of the most vibrant and entrepreneurial business communities in the United States, the College of Business and Economics at California State University, Fullerton is the largest accredited business school on the West Coast, nationally recognized for accreditation in both its business and accounting programs.

Completed in 2008, the college achieved Silver LEED equivalent. The building was also recognized as Outstanding Design for Work in Progress by Architectural Portfolio in 2005.

The college provides a world-class business education, offering graduate and undergraduate programs that integrate classroom education with best business practices, technology, award-winning research, functional applications and real-world experience. The network of more than 65,000 alumni and business partners are the driving force of Southern California business.



DC Fast Chargers, Battery EV Infrastructure

In 2019, two DC fast-charging electric vehicle stations were made available behind the College of Business and Economics. The fast chargers from ChargePoint can fuel most vehicles in less than 30 minutes. They were funded in part by an \$80,000 rebate from the California Electric Vehicle Project (CALeVip), through the California Energy Commission and Center for Sustainable Energy. The project aims to improve air quality, fight climate change and cut petroleum use by improving California's EV infrastructure.



Eastside Parking Structures Solar, LED, Battery

The new parking structure at CSU Fullerton is a state-of-the-art facility that is a mirror image of the existing structure IPD designed and completed in 2010. The Eastside 2 garage is six levels and includes 1,901 spaces with 19 motorcycle spaces, and features similar circulation patterns and ramping systems used for the initial structure. The facade design carries over the architectural vernacular of the existing garage, focusing on finishes and materials that create a visual cohesiveness. The iconic curved main staircase is still a landmark design feature that provides easy access to campus and clearly identifies primary pedestrian access points. The garage has three connection bridges that allow users to cross between the two structures, increasing searchable parking area. Elevator lobbies at each level are situated well outside the vehicular drive aisle to provide a safe buffer between users waiting for the elevator and circulating vehicles. This core is visible from all areas of the pedestrian plaza, the campus access walkway, as well as the adjacent campus. Sustainable features included energy-efficient LED lighting throughout the building, a site biofiltration for rooftop drainage, and roof-level solar canopies.



Water Retention Swales and Low-Water Landscaping

Solar, LED, Battery

Infiltration trenches and bioswales are designed to retain water during heavy rains, recharge our aquifer, and improve stormwater quality by removing contaminants from runoff. The beautiful vegetation in and around these swales are drought-tolerant and regionally native and adaptive plants, which reduce campus landscaping water consumption.

Locations:

- Westside of Dumbo Downs parking lot (rock swale)
- Northside of Performing Arts building (rock swale)
- Eastside of Education Classroom building
- Southside of Langsdorf Hall (planters south of fountain)
- Walkway between Eastside Parking Structure and Humanities Building
- Southside of State College Parking Structure, northside of Titan Student Union building
- Westside of Fullerton Arboretum property



Gastronome Composting, Club Car

The Gastronome is a unique, all-you-care-to-eat dining facility. It provides the Cal State Fullerton community healthy, nutritious, and well-balanced meals as the hub for an active community.

In 2019, CSUF was chosen as Club Car's Sustainability Grant winner. The campus was awarded a custom vehicle which will support a closed-loop waste reduction program that will divert more than 2,000 pounds of compostable food waste weekly from the Gastronome to the Fullerton Arboretum.



Housing Phase III

LEED Platinum

Housing Phase III is the first in California awarded the Platinum Leadership in Energy and Environmental Design (LEED) certification by the USGBC. The project was designed to provide students with a full residential experience, while being energy efficient and sustainable.

Its cluster of five, five-story structures arrayed around a piazza provide housing for more than 1,000 students in double-occupancy rooms, alongside a 571-seat dining hall.



Fullerton Arboretum Visitor Center

Open to the Public

The Fullerton Arboretum is a 26-acre botanical garden with a collection of plants from around the world. It is the largest botanical garden in Orange County, with a collection of over 4,000 plants. The Arboretum saves species that are extinct or near extinction and serves as a learning place for agricultural history.

The Fullerton Arboretum Visitor Center won the 2005 Best Practices Award for Overall Sustainable Design at the UC/CSU Sustainability Conference and recognized as Outstanding Design for Work in Progress by Architectural Portfolio in 2005.



Electric Vehicle Charging Stations

EV Infrastructure

The Office of Sustainability is proud to work with Parking and Transportation Services on strategies to reduce traffic congestion, improve air quality, reduce emissions and promote personal health and well-being.

One major strategy is to support clean vehicles. The campus has installed a total of 37 electric vehicle charging ports across campus, where students, faculty and staff can plug in free-of-charge.

Locations:

- Gymnasium Drive
- College Park North Lot
- Corporation Drive
- College of Business & Economics Loading Dock
- College of Business & Economics Mihaylo Hall LD Fast Charging



Student Recreation Center

LEED GOLD

The LEED Gold certified Student Recreation Center is a two-story, 95,000-square-foot that features a number of items noted for water and power savings. Effective water use is estimated to save more than 415,000 gallons per year, while energy conservation incorporated into the center exceeds Title 24 of the California Code of Regulations for Energy Efficiency Standards by 30 percent.

Among its design strategies, the project emphasizes the benefits of daytime lighting and the use of sustainable and recycled materials in the building's construction. During construction, a waste management plan was established to divert large amounts of the construction waste from landfills to recycling for consumer use.

The building design was honored with the Best Practices Award for Overall Sustainable Design during the 2007 University of California/California State University Energy Efficiency Partnership Program.



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Kinesiology and Health Science

Solar

The Department of Kinesiology advances the understanding and practice of human movement across the lifespan within the context of a diverse and changing society. The roof holds solar panels that produce around 30% percent of the electricity the building consumes.



Solar ConnecTables

Solar

Need a charge? Two solar-powered trellises, called ConnecTables, are available near Pollak Library, in front of the Kinesiology and Health Science building, where students can plug in their cell phones and laptops free of charge. With eight outlets and 16 USB ports, the seating provides a great outdoor learning and collaborative study space.



Nutwood Parking Structure, State College Parking Structure

Solar

CSUF expanded the array of solar panels with an additional 3 MW system on the upper decks of the Nutwood and State College Parking structures. This phase was installed by SunPower in Silicon Valley under a third-party license and power purchase agreement.



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Clayes Performing Arts Center

Solar

The roof holds solar panels that produce nearly all of the electricity the building consumes.



Trigeneration Plant Natural Gas

In this plant, high pressure natural gas powers a low-emission 4.6 MW turbine to generate electricity. In turn, waste heat created by the turbine is distributed to absorption chillers which provide heating hot water and chilled water. The hot water is used to provide campus building heat and domestic hot tap water. Cold chilled water is used for cooling campus buildings at a lower cost vs. electric chillers.



Water Refill Stations

Reduce Plastics

The campus has taken an active role in reducing plastic waste by installing 78 drinking fountains with a water bottle refill option. Refill your bottle, watch the "bottles saved" ticker, and see how many plastic bottles you divert from the landfill!



Waste Management Recycle

In line with statewide goals, our campus is aiming to increase our waste diversion rate and move toward zero waste. We're pursuing these goals by: encouraging the use of products that minimize the amount of trash sent to landfills, participating in the CalRecycle Buy-Recycled program, and increasing our recycled-content purchases.



CalFire Urban Forest Improvement Project

Urban Forest

Cal State Fullerton has partnered with the City of Fullerton on the Urban Forest Improvement Project funded by CalFire. As a project partner, CSUF has planted twenty oak trees around campus which expands the community's urban forest. When carefully planned, trees can reduce heat islands, reduce soil erosion and runoff, and absorb carbon dioxide and other greenhouse gases.



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Public Surplus

Reuse

Public Surplus was created in 2019 with unique capabilities specifically for public agencies, making it much more than an auction site. The services CSUF offers to both buyers and sellers is of the highest quality.

