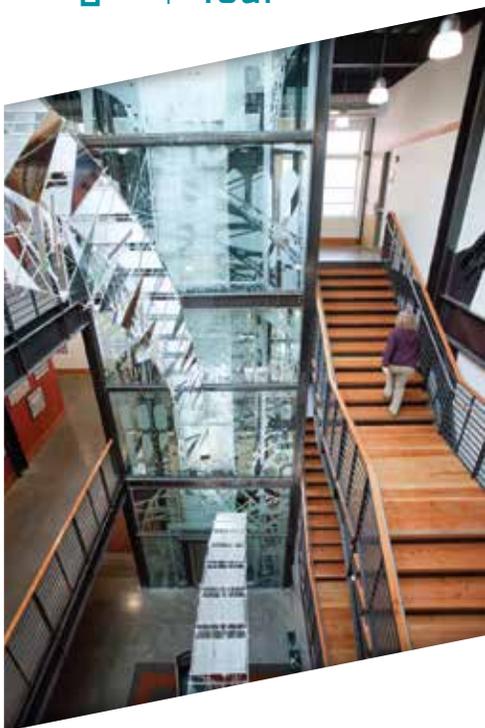




**Self-Guided
Sustainability
Tour**



Updated June 2017

For more info, visit our website at fa.oregonstate.edu/sustainability

Web Version

To obtain print copies, contact us at sustainability@oregonstate.edu

Welcome to your self-guided tour!

» This brochure is designed to guide you through some of the many ways OSU is working towards a sustainable future. Feel free to visit the tour stops in any order and at your own pace. However, it is important to remember that some sites are only available to be seen during specified hours.

Bike Lockers

Bicycle lockers are designed to keep your bike and gear safe. These bicycle lockers can be rented through Transportation Services.

Electric Vehicle Charging Station

OSU has electric vehicle (EV) charging stations throughout campus. We have two different types of chargers: BlinkNetwork Level 2 EV chargers and ChargePoint Level 2 EV chargers.

Bike Fix-it Stations

OSU is implementing outdoor bicycle workstations. These workstations come equipped with a bicycle stand, pump, and an assortment of tools for your cycling needs.

Green Callouts

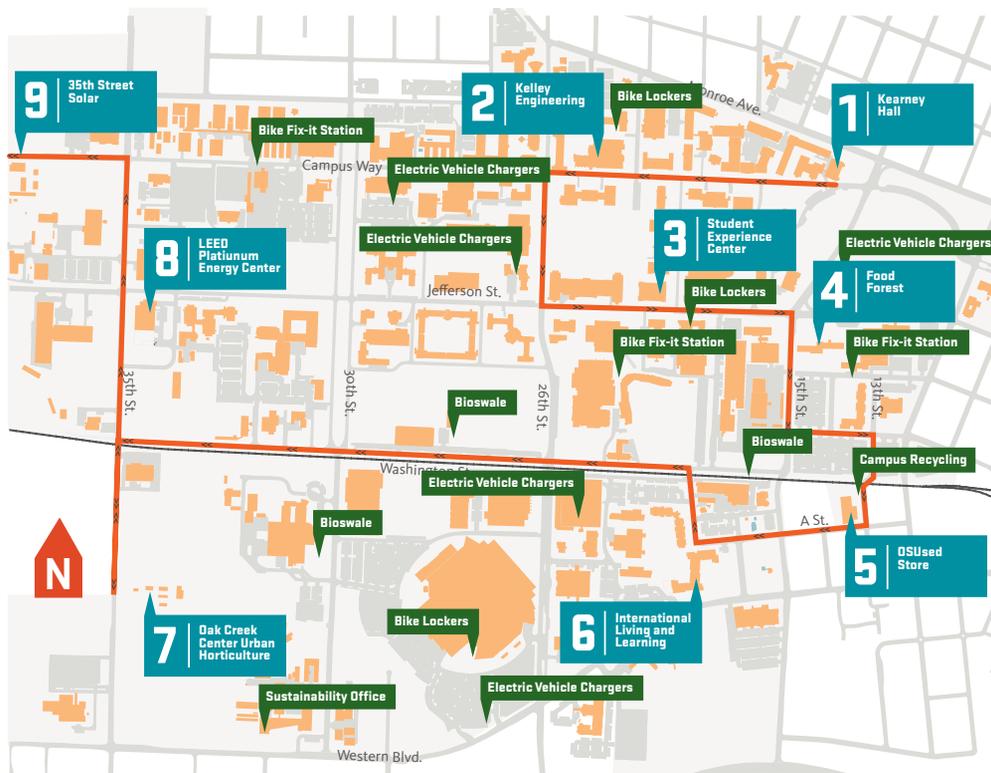
Oregon State University is home to a number of green innovations on its Corvallis campus. The callouts, detailed below, are shown on the map with green labels. To learn more about any of these callouts visit our website at fa.oregonstate.edu/sustainability.

Bioswales

OSU has many different green water features throughout campus, and the most prominent features are bioswales. Bioswales act as a natural filter for runoff water. For more information on the features see our rainwater brochure.

Sustainability Office

The Oak Creek Building is home to the Sustainability Office. Come visit with any questions or concerns relating campus sustainability.



Kearney Hall

1 Green Renovation

Originally built in 1899, Apperson Hall became the first engineering building on campus with the establishment of the Department of Civil Engineering in 1906. Apperson was remodeled and renamed Kearney Hall in 2008 to provide the Civil Engineering and Construction Engineering Management programs with state-of-the-art classrooms, offices, and a 120 seat auditorium. The project received a LEED Gold rating by the US Green Building Council.

The remodel left the building's familiar granite and sandstone exterior while completely remodeling the interior. Special green features include:

- Upgraded thermal insulation
- Energy-efficient lighting
- Simplified finishes on flooring, ceilings and walls
- Exposed ceilings and "windows" in walls allowing students to view structural, mechanical, and electrical building elements



Similar to Kearney, the historic Weatherford Hall is a LEED certified renovation.

Kelley Engineering

2 Green Building

As a certified LEED Gold building, Kelley Engineering has many features common to green buildings. Features include:

- A 16,500 gallon rainwater collection system that provides water to toilets and urinals
- A modular raised floor system that allows air to circulate in occupants' workspaces, eliminating the need for ceiling air ducts
- Systems designed to use ~50% less electricity and 70% less water than required
- Computer's server room warmth helps heat cooler parts of the building in winter while cool air from outside is piped directly into the server room for natural cooling in the warmer months
- A solar system that supplies much of the hot water needed for restrooms, kitchen areas, and bike room showers



Student Experience Center

3 Student Sustainability Initiative

The Student Experience Center (SEC) was completed in early 2015. The SEC is home to the Student Sustainability Initiative and many other student based organizations and boasts a number of sustainable features. Features include:

- Reclaimed lumber was used throughout the project from wood salvaged from downed trees on the Corvallis Campus
- Indoor air quality was maximized by selecting low-VOC paints, sealants and carpets
- A student maintained edible garden on the southeast corner of the building features many native species
- Radiant heating and cooling is used throughout the building to cut costs on ventilation, reduce noise from fans, and improve air quality
- A bicycle fix it station can be found on the north side of the building
- Rooftop solar produces 5% of the building's electrical use saving \$4,277 annually



Food Forest

4 Organic Garden

The OSU Food Forest, located outside of Callahan Hall, serves as a small organic garden that grows fresh produce for University Housing and Dining Services (UHDS). The garden is maintained by two landscape technicians along with the help of OSU students and staff. The garden serves as a way to provide fresh, organic food for UHDS by involving students and staff in the process of growing food by offering volunteering and learning opportunities.



OSU Used Store

5 Reduce, Reuse, Recycle

Tour times:
Mon. - Thurs.
8AM - 4PM

Shopping hours:
Tues. 9:30-7:30PM
Fri. 12:00-3:00PM



The OSU Used Store

is operated by OSU Surplus Property and sells items no longer needed by campus departments. They carry a remarkable variety of items: vehicles, bicycles, computers, laboratory equipment, furniture, housewares, and more.

In addition to the warehouse, surplus items are also sold online through eBay and other e-tailors as well as through sealed bids.

Be sure to check out the recycling operations that also take place in the warehouse. Thanks to efforts by Campus Recycling and the Student Sustainability Initiative, OSU won the RecycleMania Civil War competitions in 2010, '11, '12, and '15 by recycling and

International Living and Learning Center

6 Green Residence Hall

The International Living and Learning Center (ILLC) is the equivalent of LEED Gold rated and is the home of many innovative and sustainable features. Those green features include:

- A bioswale surrounding the east parking lot which catches runoff and filters debris before draining into the local stormwater system
- OSU's largest solar thermal system that supplies much of the hot water needed for restrooms, showers, and kitchen areas
- The west parking lot features permeable pavement which allows water to run through the pavement into a series of filters before flowing into the local stormwater system
- Large use of natural lighting eliminates the need for additional lighting during the day
- Rain gardens and low maintenance landscaping surrounding the building cut down on water usage



Oak Creek Center for Urban Horticulture

7 Horticulture and Restoration

This site, located along Oak Creek, is tucked into a corner of campus once used to teach beekeeping. An interdisciplinary group of faculty, students and staff are working to create a space that will provide a forum for learning that integrates landscaping, ecological restoration, green building technologies, community food systems, organic horticulture production, natural history, science, the arts, and cultural ecology.



The varied activities at the site include producing organic food and hosting community gardens in partnership with the Organic Growers Student Club, the OSU Nutrition Students and Plant-A-Row for the Hungry. Food grown in the community garden is donated to Linn-Benton Food Share. Students and faculty are also investigating how vegetated green roofs can provide various ecosystem services such as stormwater mitigation and biodiversity, designing innovative urban landscapes, and helping to restore the ecological functions of Oak Creek. OSU Horticulture is seeking collaborative partners and grant funding to assist with our ongoing projects.

OSU Energy Center

8 Reducing Greenhouse Gases

The LEED Platinum-rated Energy Center provides steam to heat campus and about 40% of campus electrical consumption with efficient cogeneration technology. It is the only facility of its kind to receive a Platinum rating.

Generating electricity produces heat. By making electricity on campus, "waste" heat can be utilized in campus buildings. Also, because of line losses typical of electrical transmission lines, additional efficiency is realized by locating electrical generators close to electrical consumers.

In addition to improved efficiency, plant systems are capable of burning renewable fuels like biodiesel and methane gas. The plant includes various green building technologies like rainwater harvesting, efficient lighting, and low impact landscaping.



35th Street Solar Array

9 Local Renewable Energy

A 1.435 megawatt array is located adjacent to the Campus Way bike path just west of OSU's farm services buildings. Sheep still graze this pasture, which now serves double duty providing electricity and grass. This installation produces enough electricity to power 167 homes for a year or offset CO₂ emissions from 136,206 gallons of gasoline per year.

This array is one of five large ground-mounted solar electric (photovoltaic) arrays installed on OSU land. The four other arrays are all over the state: one is farther down the Campus Way bike path toward 53rd St, another is near the Trysting Tree golf course east of the Willamette River, one is in Aurora, Oregon and one in Hermiston, Oregon. Four of the five systems are connected to OSU buildings, which makes these buildings net zero energy buildings, supporting OSU's path to carbon neutrality.

