

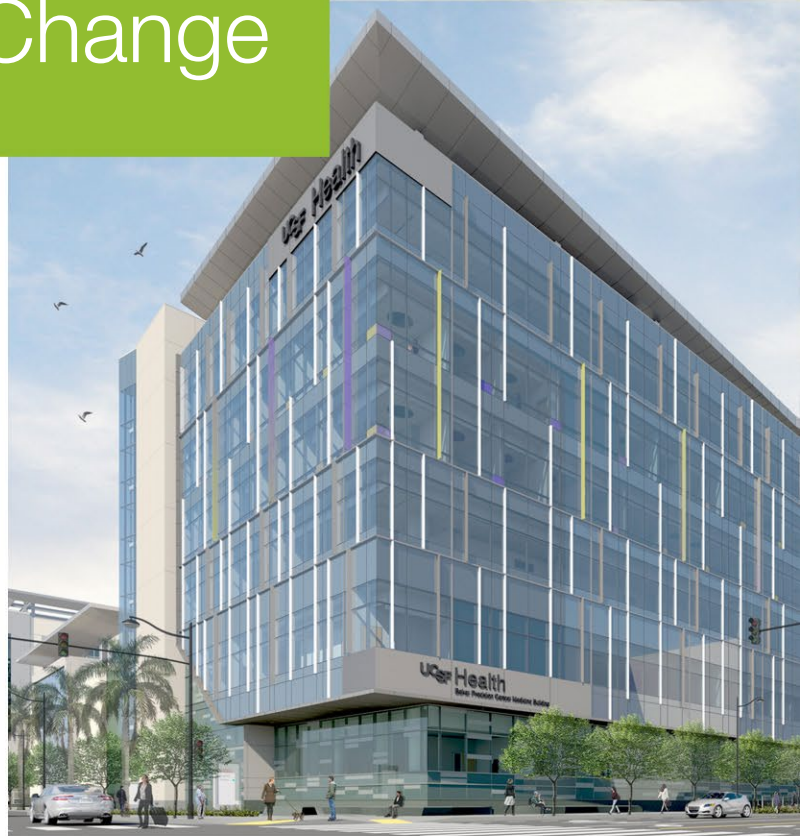


UCSF Campus + UCSF Health  
Sustainability Highlights  
Executive Summary FY18

Connecting  
Health and  
Climate Change

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Mount Sutro Stewards — Noah Berger  
Infant Care — Adobe Stock Image  
UCSF Precision Cancer Medical Building  
— Courtesy of UCSF Health, Stantec, Rudolph & Sletten, and Cambridge CM

**FROM** adding carbon neutrality into UC San Francisco's (UCSF's) **True North pillars**, to tackling **energy use in labs**, to integrating climate change and environmental health into the **UCSF School of Medicine's curriculum**, fiscal year 2017-18 (FY18) was a year of strengthening the connection between climate change and health at UCSF. This Executive Summary highlights UCSF Campus' (Parnassus, Mission Bay, Mission Center, Mt. Zion, and other locations) and UCSF Health's (UCSF Medical Center at Mt. Zion, UCSF Medical Center at Parnassus, UCSF Medical Center at Mission Bay, and various clinics) greatest sustainability accomplishments for FY18. For more details, please see the full **online Annual Report**. For detailed data on overall trends, please go to the **Sustainability Dashboard**.



**LEADERSHIP**

UCSF's leadership in sustainability was recognized again in 2018 by both Practice Greenhealth and Becker's Healthcare. UCSF Health received Practice Greenhealth's **2018 Greenhealth Emerald Award**, their second highest recognition award for leadership in sustainability. For the fourth year in a row, UCSF Health was recognized in





Becker's Hospital Review as one of **60 of the Greenest Hospitals in America**. UCSF Health was also named, for the 18th year in a row, among the nation's premier medical institutions; it was ranked the 6th best hospital in the country, and the top-ranked hospital in California, by **U.S. News & World Report**.

## CLIMATE CHANGE

UCSF signed a **Power Purchase Agreement with SunPower** to complete six new solar installations, which will produce approximately 3.1 million kilowatt hours (kWh) of renewable, emissions-free electricity per year (about 4% of the annual electricity used at UCSF—enough to completely power 446 average California homes). UCSF purchased 15 new **Build Your Dreams electric transit buses** to replace 15 diesel shuttles and installed 16 new **electric vehicle (EV) charging stations**, making a total of 84 stations available for the UCSF community and visitors. In addition, calendar year 2017 greenhouse gas (GHG) emissions for Scope 1 and 2 were 96,005 MTCO<sub>2e</sub>, a decrease of 11.8% from the prior year—despite adding 1.4 million sq. ft. (Mission Bay Hospitals, Mission Hall, Sandler Neurosciences, and Aldae Community Center)—in part due to energy efficient design, retrofits, and behavior change campaigns.

## WATER

UCSF Campus exceeded the new UCOP water reduction goal by reducing water consumption per weighted campus user by 49% compared to the 2007 baseline (UCOP goal is 36% by 2025). UCSF Facilities completed a pilot project for the new **Water Efficient Equipment Incentive Program**. UCSF Health reduced its annual per capita water use from 455 gallons in FY09 to 331 in FY18, a 13% reduction from the baseline.



Photo Credits (clockwise)  
 Water Efficiency Pays Off — Robert Hood  
 Electric Transit Bus — Derrick Tyler  
 100 Mile Biking Team — Captivating Sports Photos  
 Big Belly Solar Receptacles — Gail Lee

## ZERO WASTE

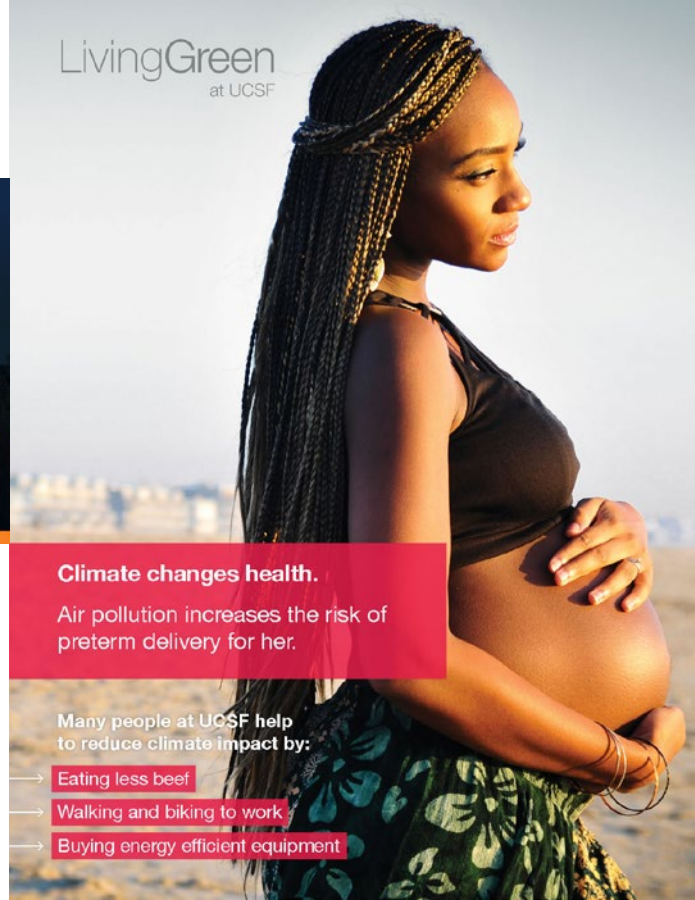
UCSF is working toward its goal of achieving zero waste by 2020. In FY18, UCSF Campus diverted 78% of its waste (excluding construction & demolition) from the landfill. This is the second highest diversion rate among all the UC schools, after UC Irvine. UCSF Health diverted 38% (excluding construction & demolition). For the sixth year, it reprocessed single use devices, saving \$1.9M. In partnership with MedShare, UCSF Health donated 8,066 pounds of assorted medical supplies and biomedical equipment for repurposing at third world clinics/hospitals. To date, over 25,000 pounds of supplies have been collected and donated.

## PROCUREMENT

UCSF Documents & Media now offers **TreeZero paper** made from 100% bagasse to the UCSF community. As part of the new campaign to **reduce energy use in labs**, the UCSF Office of Sustainability raised awareness about purchasing Energy Star, EPEAT, and energy efficient options for lab equipment, such as Energy Star ultra-low temperature freezers.



Photo Credits (clockwise)  
 UCSF Farmers' Market — Noah Berger  
 Green Labs & Climate Changes Health Poster Campaigns — Green Impact  
 Electric Car Charging Station — Gail Lee



## SUSTAINABLE FOOD

Campus Life Services (CLS) Retail achieved 45% of total spend on sustainable food and UCSF Health achieved 24%—exceeding the goal of 20%. A key accomplishment for FY18 was getting commitments from seven departments to go **beef and lamb free**.

## TOXICS REDUCTION

Two existing buildings and five new projects agreed to embrace the **Living Building Challenge Red List** for purchases of furnishings. **One Workplace** is under contract with UCSF to procure discounts from manufacturers that have committed to produce Red List-free products. UCSF's **Dr. Mark Miller**, Co-Director of the Western States Pediatric Environmental Specialty Unit (PEHSU), consulted on a new children's environmental health video entitled **Cause or Cure?**, which uses childhood leukemia and autism to illustrate how environmental triggers play a major role in the development of diseases and disabilities.

## CULTURE SHIFT

The Office of Sustainability held the **8th Annual Sustainability Awards** ceremony. UCSF faculty, students, and staff members were recognized for their efforts in supporting and advocating for sustainability measures. Over 143 offices, labs, clinics/units, and event planners have been certified thus far by the UCSF Office of Sustainability **LivingGreen certification program**. UCSF Finance and Administrative Services made reaching carbon neutrality a **strategic priority**. The UCSF Medical School integrated environmental health into the inquiry blocks of its **Bridges Curriculum for medical students**, allowing students to take a deep dive into environmental health.

## SUSTAINABLE OPERATIONS / GREEN LABS

UCSF launched a new **green labs poster campaign** with a clear call to action: reduce wasted energy by turning off lab equipment and monitors during non-occupied hours. The campaign focused on five simple, small actions labs can take to collectively make a difference.

## GREEN BUILDING

The UCSF Precision Cancer Medicine Building (PCMB), which was being built in FY18, is seeking a **LEED Gold Certification** (LEED BD+C: New Construction, v4). The building is expected to open in spring 2019. Some of the sustainability features include: higher air exchanges and use of 100% filtered outside air; PVC-free wall protection/handrails, flooring, and upholstery; elimination of Red List chemicals in furnishings; and infrastructure for the future installation of solar panels on the roof. Other green building projects in process include: 2130 3rd, B33, B23A, ZSFG, and MN Housing.

