MOONSHOT BRIEF

SUSTAINABILITY

“Sustainability is all about our collective passage through this world. At USC, sustainability is our Assignment: Earth. It’s a centerpiece of our research and teaching, and of our policies and mindsets.”

– PRESIDENT CAROL L. FOLT, COMMENCEMENT 2022

SUSTAINABILITY GOALS

<table>
<thead>
<tr>
<th>BY 2025</th>
<th>BY 2028</th>
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<tbody>
<tr>
<td><strong>CLIMATE NEUTRAL</strong></td>
<td><strong>ZERO WASTE</strong></td>
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<tr>
<td>Eliminate or offset emissions related to the burning of fossil fuels to power our buildings.</td>
<td>Divert 90 percent of our waste from landfill by recycling, composting, and source reduction.</td>
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<tr>
<td>0</td>
<td>90%</td>
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USC received a Silver Rating on USC’s first Sustainability Tracking, Assessment & Rating System (STARS) submission. STARS is an assessment framework that measures sustainability progress and performance in higher education institutions.

RESOURCES

<table>
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<tr>
<th>PRESIDENTIAL SPEECHES</th>
<th>EDITORIAL</th>
<th>BRINGING SUSTAINABILITY TO GAME DAYS</th>
<th>SUSTAINABILITY PANEL*</th>
<th>APRIL 2022: EARTH WEEK MESSAGING</th>
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<tbody>
<tr>
<td>May 2022: 139th Commencement Speech</td>
<td>New Sustainability Hub coming to University Park Campus</td>
<td>All sustainability content on USC News</td>
<td>April 2022: Sustainability Q&amp;A with USC Viterbi’s Civil and Environmental Engineering class</td>
<td>PRINT</td>
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<tr>
<td>April 2022: State of the University</td>
<td>Nurturing native plants on our campuses</td>
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<td>Fiscal Year 2022: Sustainability Annual Report</td>
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*President Folt’s presentation is from 19:40-28:44, and panel discussion begins at 43:30.
Sustainability in Academics and Research

- 17,000 USC students enrolled in sustainability-related courses; more than 1,100 courses and 11 research centers, programs, or institutes dedicated to and/or inclusive of sustainability.
- USC Wrigley Institute for Environment and Sustainability grows its portfolio to address the world’s most pressing sustainability challenges.
- USC Center for Sustainability Solutions: collaboration between Price School of Public Policy and Viterbi School of Engineering.
- USC-AltaSea: March 2022, opening of new 6,000 sq. ft. Aquaculture Lab: advances research into the blue economy.

“The oceans not only hold the diversity of life, but they produce the oxygen that goes into the atmosphere. Aquaculture will be part of the ways that we feed the planet, and we will do it in a way that is sustainable.”
- PRESIDENT CAROL L. FOLT

Sustainability in Operations

- Launched Assignment: Earth, USC’s Sustainability Framework. Assignment: Earth formalizes our commitment to creating a more sustainable future.
- Elimination of single-use plastic beverage bottles. More than one million bottles diverted from landfills within a few months of program launch.
- Solar panels installed on Galen Center roof.
  - USC’s largest solar project to date
  - 1,500 solar modules covering 50,000 sq. ft.
- Coliseum: transitioned to operating as Zero Waste facility for all large events.
- Snapshot of 2022 successes:
  - 42,000 kWh energy savings per month resulting from centrally-managed Heating, Ventilation, Air Conditioning, and Cooling (HVAC) automated scheduling programs (equivalent to avoiding burning 400,000 pounds of coal per year)
  - 60 percent lighting load reduction after LED upgrades
  - 98 new exterior multi-stream waste bins deployed across UPC and HSC
  - Over 200 hydration stations installed to date across UPC and HSC to promote the use of refillable water bottles and reduce single-use plastic beverage containers
  - 40 percent estimated average water use savings resulting from new native or climate adaptive landscaping

Sustainability with our Community

- Urban Trees Initiative: partnership between USC Dornsife Public Exchange and the City of LA; green canopy in areas with sparse shade and poor air quality.
- USC-LADWP agreement not only provides a quarter of USC’s electricity with green power, but brings opportunities for residents in nearby communities to gain access to affordable solar energy.
- Trojan Shop Local helped 60 diverse, small businesses across Los Angeles share local services, merchandise, and products with the Trojan community.

Sustainability in the Arts

- Arts and Climate Collective: funds student-driven art and media projects that connect storytelling with topics including sustainability, climate change, and climate justice.
- Students’ caribou VR project: more than 15 game design, computer science, and journalism students worked together to create an interactive VR project to show the impact of climate change, specifically on Arctic wildlife.