

CSUDH Annual Sustainability Report

FY 2020-2021

July 1, 2020- June 30, 2021

Contents

Executive Summary _____ 1

Sustainability Staffing & Institutionalization _____ 4

Utilities & Services _____ 6

Academics/Green Workforce Development _____ 14

Engagement _____ 19

Contact Information _____ 22

Information on the Office of Sustainability _____ 23

Executive Summary



Figure 1- Office of Sustainability members preparing to distribute bags of donated winter coats to in-need students in fall of 2020.

Campus Sustainability Highlights:

In the 2020-21 fiscal year (FY), California State University Dominguez Hills (CSUDH) made several important strides towards supporting sustainability on campus. A few prominent accomplishments include:

Awards/Accomplishments:

- In March 2021, CSUDH became a member of the national Climate Leadership Network with President Parham's signing of the President's Climate Leadership Commitment for carbon. This commits the university to reducing greenhouse gas emissions and achieving carbon neutrality for scopes 1-3 as soon as possible, in addition to supporting opportunities to make carbon neutrality part of the curriculum and educational experience for all students as well as supporting the expansion of carbon neutrality research.
 - During this time, Presidential Cabinet also approved the charter proposal to create a university-wide Sustainability Committee which will support these commitments and other efforts to support sustainability at CSUDH.
- Earned CSU statewide Best Practice Awards in 2020 for CSUDH's Sustainable Food System and Electrification respectively which were presented in July 2020 at the California Higher Education Sustainability Conference.
- On February 17, 2021, CSUDH was recognized with two statewide CSU best practice awards at the virtual CSU Facilities Management Conference for "Sustainable Campus Practice: AASHE STARS, Most-Improved Score" and "Sustainable Campus Practice: Energy Usage Reduction due to COVID-Response."
- Earned national Tree Campus USA recognition for the third year in a row for CSUDH's 2020 activities.
- The Office of Sustainability attracted approximately \$16,250 in outside and internal grant funding to support campus activities over the course of the academic year, and assisted the Basic Needs Office with programs and grant deliverables totaling an additional \$14,800 in value:

Executive Summary

- \$2,500 from Shell Oil to support continued delivery of the Campus Urban Farm Docent Training program and community workshops for the on-campus Farm.
- \$2,000 from West Basin as a rebate for bottle filler installations in the Natural Sciences and Mathematics building and Housing Building A.
- Co-recipient of a President's Challenge Grant of \$10,800 along with Basic Needs and faculty member Jenney Hall to implement a Pop-Up Thrift Initiative and Eco-Living Workshops to support students' basic needs.
- \$1,220 donation from emeritus faculty member Connie Vadheim to support sustainable landscape projects on campus.
- Assisted the Basic Needs Office with deliverables support and promoting charitable giving throughout the fiscal year:
 - Created and continued to promote the Toro Pantry Program to enable direct donations of Farmers Market produce boxes to in-need students attending the pull-up distribution events hosted by Basic Needs. Over the course of the fiscal year, the Loker Student Union opted to donate \$6,000 in Toro Pantry boxes while SoCal Gas donated \$3,000 based on a direct referral from the Office of Sustainability.
 - Partnered with Basic Needs to deliver half of the SNAP-ED grant cooking education workshops assigned to CalFresh, providing \$5,800 of grant services via these workshops to over 150 participants over the course of the academic year.

Projects:

- Continued to conduct comprehensive upgrades of lighting, HVAC, and Central Plant assets which increased the energy efficiency of the campus as a whole. In particular, from April to July 2021, the entire SBS building was retrofitted with LED lighting and smart lighting controls as well as converted from pneumatic to DDC HVAC controls for greater energy efficiency throughout the building.
- To support zero waste efforts and compliance with new waste regulations, the Office of Sustainability began a campus-wide rollout of over 80 three-stream interior and exterior bins featuring landfill, mixed recycling, and compost collection. The Office of Sustainability also expanded its Clean City Network pilot to a total of 65 locations to provide real-time fill-level data on campus dumpsters.
- Partnered with the Farmers Market organizer Venaver Events and the Basic Needs Office to continue promotion of the Toro Pantry Box program, a charitable giving initiative which allows people to donate Farmers Market produce directly to CSUDH students attending Basic Needs Distribution events. Also facilitated a pop-up Farmers Market booth featuring additional fresh produce and EBT/Market Match services during the fall distribution events before the events were moved to an incompatible day for spring semester.
- Co-implemented a Pop-Up Thrift and education initiative with Basic Needs and faculty member Jenney Hall to help meet the basic needs of students while reducing environmental impact. This included:

Executive Summary

- Eco-Living Workshops throughout the month of September to teach students to incorporate eco-friendly lifestyle habits while also saving money and the environment.
- Winter Coat drive that collected 100+ good condition winter coats and jackets donated from CSUDH members and re-distributed them for free to in-need students.
- Housing Move-Out donation station that collected 1,400 lbs of usable items for future distribution to in-need students and incoming residents in fall.
- The Office of Sustainability launched the first cohort of the Sustainability Stars program in February 2021 which was designed to empower CSUDH employees a deeper training in sustainability to better lead sustainability efforts within their respective departments and divisions.

Engagement:

- Reached 1,850 people via sustainability events and campus outreach. These efforts included weekly programming during particular months throughout the academic year including September (Eco-Living Workshops), October (Sustainability Month), November (Farm Urban Gardening Workshops), and March (Race to Reduce Month) as well as Earth Day on April 20, 2021.
- Reached 424 students through sustainability activities directly through academic courses from several different academic disciplines and 371 students specifically through academic efforts at the Campus Urban Farm.

Sustainability Staffing & Institutionalization

“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

-UN World Commission on Environment and Development, 1987

Sustainability Staffing & Institutionalization

Sustainability Institutionalization:



Figure 2- EBT services and fresh Farmers Market produce on display at the pop-up Farmers Market tent at one of the fall Basic Needs distribution events.

Sustainability Staffing:

Over the course of the 2020-21 FY, two more full-time positions were added to the Office of Sustainability to join the existing full-time Sustainability Manager position:

- On July 1, 2020 the existing full-time, permanent Recycling Coordinator position was moved under the Office of Sustainability. Upon retirement of the position's long-time incumbent in March 2021, the position was revamped as a Zero Waste Coordinator position before going out for recruitment. An offer was accepted for a July 8, 2021 start date.
- In August 2020, a CSUDH alumni was assigned through the Americorps VISTA Program (hosted by local partner LA Works) to volunteer for the Office of Sustainability on a full-time basis to assist with capacity building with a focus on educational programming and intern professional development.

Sustainability Staffing & Institutionalization

Building Student & Employee Leadership/Involvement in Sustainability:

Goal: Create avenues for students and employees to engage with sustainability activities in a non-formal employment capacity and develop independent leadership in sustainability initiatives.

- In the 2020-21 academic year, the Office of Sustainability worked with paid student interns to continue facilitating volunteer internships through the Sustainability Club. Club activities were designed to provide weekly activities oriented around paid intern activities and projects. Due to the academic year being conducted virtually, these activities were mostly focused on remote engagement such as converting sustainability presentations to a Youtube format, assisting with marketing designs, and student research on sustainability topics. Three students from the undergraduate Earth Sciences program as well as master's program completed volunteer internships as a result.
- In February 2021, the Office of Sustainability piloted the very first Sustainability Star Program designed to engage faculty and staff in sustainability leadership. The first cohort consisted of six staff and faculty members from various departments including Facilities Services, Housing, Philosophy, Education, and Human Health. Of this cohort of six, four members successfully completed all the graduation requirements including attendance at all three training workshops and completion of a pre/post survey. The three workshops educated participants on deeper-level concepts around sustainability as well as provided a presentation and Q&A session with an outside guest speaker in the field (CalRecycle for this cohort).
- In March 2021, the charter proposal for the creation of a university-wide Sustainability Committee was approved by Presidential Cabinet for implementation. This committee will allow staff, faculty, and students to formally represent the university in determining campus-wide recommendations for furthering sustainability at CSUDH.

Utilities & Services

Utilities include energy, water, and trash/recycling services. Since there is a delay in utility bill reporting, annual consumption is reported in calendar year for 2020 (unless otherwise stated) below.

Utility Consumption & Greenhouse Gas Impact



Figure 3- In March 2021, CSUDH joined the national Climate Leadership Network when President Parham signed the university's Carbon Commitment to carbon neutrality.

Energy

Net Zero Energy & Carbon Neutrality:

Goal: Improve the energy efficiency of campus facilities and increase renewable energy generation with the goal of achieving a net zero energy bill and scope 1 and 2 carbon neutrality for the campus by 2045.

- Progress:
 - In March 2021, President Parham signed the President's Climate Commitment to formally pledge CSUDH to net carbon neutrality for scopes 1-3 by 2045. In support of this commitment, the Office of Sustainability will complete a baseline greenhouse gas inventory for the campus by 2022 (within one calendar year) and develop a Climate Action Plan by 2023 (within two years).
 - As reported to the CSU Chancellor's Office via EcoVox, Scope 1 and 2 emissions for the campus in the 2020-21 FY was 3,598 metric tons of CO₂e.
 - Electricity consumption for the 2020 calendar year was 14,479,294 kWh. While a drop in consumption was to be expected due to the majority of students and staff operating virtually/off-campus, the campus was proactive about reducing energy consumption in un-occupied spaces while still providing the

recommended health and safety measures to ensure increased ventilation and filtration to minimize COVID-19 transmission.

- Natural gas consumption for the 2020 calendar year was 267,888 therms, a major drop from the previous year (504,471 therms). While some of this reduction was due to lower occupancy in campus buildings, much of this drop was due to a concerted effort to switch to electricity instead of natural gas for major Central Plant boiler and chiller assets.
- 2020-21 FY Initiatives:
 - Although occupancy on-campus was drastically reduced throughout the 2020-21 FY (which would presumably provide energy savings based on reduced occupancy), this was also balanced with the need to maintain offices for essential in-person staff across almost all buildings. Due to additional health and safety precautions to provide adequate distancing and increase air changes to prevent the spread of COVID-19, this meant that entire building spaces continued to stay operational and/or even increase their energy demand to meet these requirements. On top of energy demand from these existing buildings, two new buildings went online in the 2020-21 FY representing over 167,000 square feet of additional building space. Despite these challenges, Central Plant continued to be pro-active about saving energy, implementing continued measures to:
 - Custom tailor campus HVAC and lighting schedules to match new occupancy levels.
 - Leveraging the new state of the art lighting and building monitoring technologies installed in previous years to dive down to the office level to ensure only occupied spaces were serviced where possible.
 - As a result of these pro-active efforts, on February 17, 2021, CSUDH was recognized with a statewide CSU best practice award at the virtual CSU Facilities Management Conference for “Sustainable Campus Practice: Energy Usage Reduction due to COVID-Response.” This award was in recognition of CSUDH’s outstanding energy reduction efforts in response to COVID-19, exceeding the energy conservation performance during this same time frame achieved by the facilities of any other campus in the CSU system.
 - During the fiscal year, CSUDH continued to holistically improve the energy efficiency of campus buildings. Building upon similar energy upgrades piloted and completed in Welch Hall, from April to July 2021, the entire SBS building was retrofitted with LED lighting and smart lighting controls as well as converted from pneumatic to DDC HVAC controls for greater energy efficiency throughout the building.



Figure 4- Example of one of the new interior three-stream bins rolled out to every campus building in support of the Zero Waste Initiative.

Waste Management

Net Zero Waste:

Goal: Striving for the highest possible diversion rate to non-landfill sources with the goal of becoming a zero waste campus (90%+ landfill diversion rate) before 2045. Reducing waste volume overall by integrating source reduction approaches into campus.

- Progress:
 - Waste hauling services were drastically reduced in frequency starting in April 2020 to once a week or as-needed after on-campus occupancy was greatly reduced in response to the COVID-19 pandemic. The campus continued to minimize service to bare essential levels while simultaneously increasing types of recycling services available to the campus. This resulted in only 432.86 tons being sent to the landfill during the 2020 calendar year (per CalRecycle reporting).
 - The Office of Sustainability was designated ownership over all campus recycling efforts on July 1, 2020. To this end, and to support statewide legislation that went into effect on this date, the Office of Sustainability began a campus-wide roll out of the Zero Waste Initiative in spring of 2021. The existing Recycling Coordinator position was revamped into a Zero Waste Coordinator position after the previous incumbent retired in March 2021 before going out for recruitment in order to more comprehensively support this initiative.

- 2020-21 FY Initiatives:
 - In response to AB 827 and SB 1383 legislation that went into effect on July 1, 2020, CSUDH mobilized to become the first CSU campus to fully comply with the new requirements. This included providing a standardized three-stream bin system in all common areas featuring landfill, mixed recycling, and compost compartments serviced daily by custodial as well as providing exterior three-stream bins campus-wide with these streams (serviced by Grounds). ¹ Over 80 new zero waste “stations” were rolled out over the course of spring semester 2021 with many more planned for the upcoming fiscal year.
 - At the same time as the rollout of new campus bins, the Office of Sustainability also commissioned an expansion of their original pilot of Clean City Networks technology in 2020 which provides real-time fill levels on waste bins, helping to schedule pick-up service and analyze campus waste trends. The system was expanded in March 2021 to include 65 sensors to provide detailed fill data on all campus dumpsters to ensure adequate servicing and “right-sizing” for future hauls.
 - Pop-Up Thrift Initiative (Coat Distribution & Housing Move-Out): As a co-recipient of the President’s Challenge grant, the Office of Sustainability organized two distinct initiatives to reduce waste caused by disposal of good condition items while simultaneously assisting in-need students meet their basic needs:
 - This included a winter coat drive to solicit good condition winter coats and jackets from campus donors and distribute them to in-need students at the monthly distribution events in November and December 2020. This effort was highly successful, with a variety of CSUDH campus members donating 100+ coats to the efforts. 30 in-need students registered for and picked up free coats at the distribution events.
 - Despite a limited population of on-campus residents (only around 100 students) moving out of campus Housing in May 2021, the Office of Sustainability received over 1,400 lbs of good condition items during the three days their storage POD booth was set up to collect donations from departing residents. This included household items, clothing, shoes, cleaning supplies, and other essentials potentially useful to incoming residents for fall as well as students in-need which were packed up in the POD before being stored off-site until fall move-in.

Water

Net Zero Water:

¹ AB 827: https://leginfo.legislature.ca.gov/faces/billTextClient.xhtml?bill_id=201920200AB827
SB 1383: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201520160SB1383

Goal: Only consuming water, regardless of source, equal to the amount that would be delivered to the same area based on natural precipitation by 2045.

- Progress:
 - With a greatly reduced on-campus population during most of the 2020 calendar year, potable (indoor) water consumption had a corresponding drop, with only 7,842 CCF consumed during this time frame. However, significant amounts of new landscaping requiring maintenance were added as a result of three new building projects that went online and/or were being constructed throughout 2020. This resulted in an increase in reclaimed/outdoor water use to 57,091 CCF (up from 51,038) during the 2020 calendar year.
- 2020-21 FY Initiatives:
 - The Sustainable Landscape Committee continued to review landscaping plans for Capital Projects for compliance with Model Water Ordinance (MWELO) standards to ensure efficient irrigation and low-water using plantings and in accordance with the Sustainable Landscape Plan approved plant palette.
 - Grounds has continued efforts to manage the CalSense irrigation control system for the campus to maximize efficiency.

Sustainable Landscaping

The Sustainable Landscape Committee continued to meet periodically via Zoom during the 2020-21 FY to provide guidance and support for sustainable landscaping on campus.

- In response to emerging safety concerns about the burgeoning coyote population on campus as a result of fewer people being present on campus to deter colonization, faculty members on the Sustainable Landscape Committee facilitated student research projects in conjunction with Risk Management to track coyotes using on-campus habitat as well as provide outreach and resources to support protocols to encourage safe interactions with local wildlife for community members. This included installing wildlife cameras in Heritage Creek and compiling data on coyote individuals habiting the campus.
- In recognition of the Sustainable Landscape Committee's comprehensive and coordinated approach to tree management, the Arbor Day Foundation awarded CSUDH national Tree Campus USA recognition for 2020.
- Over the course of the 2020 calendar year, 26 new trees were planted on campus. The planting of six of these trees, planted around the Student Activities Field to provide shade to athletes, was filmed and broadcast to virtual attendees as part of a tree celebration event held during October Sustainability Month.
- In spring 2021, the Office of Sustainability promoted the annual online Green Graduation Pledge, where students from the graduating classes of 2020-2025 are encouraged to pledge to consider the environment when making



Figure 5- CSUDH is a recognized Tree Campus through the Arbor Day Foundation for its comprehensive landscape management efforts.

future career decisions. Facilities Services offered to provide \$1 towards campus tree planting efforts for every student who took the pledge during their graduating year. As a result, 58 students took the pledge resulting in a new fruit tree scheduled to be planted in fall 2021 as a result. An alum also opted to donate \$50 directly to the existing Office of Sustainability Give Now fund created in collaboration with Philanthropic Foundation in May 2020. This option allows donors to donate online to fund new trees to be planted on campus.



Figure 6- Photo taken during signage assessment of the existing campus walking trail.

Transportation

As a commuter campus, CSUDH continues to make efforts to reduce the environmental impact of transportation by CSUDH students, staff, faculty, and visitors.

- Due to the majority of campus users operating virtually, Parking provided options to cancel auto-pay for parking permits for non-users while still requiring permits to be purchased for those users continuing to access the

campus. This helped to enforce stay-at-home vs. essential staff lines, and as a side-effect, helped reduce incentive to make non-essential trips to campus by users without a permit.

- As part of a CalFresh Healthy Living grant, the Office of Sustainability collaborated with Basic Needs to support an active living project to better encourage walking and biking as healthier, carbon-free transportation modes.

This entailed:

- Mapping the existing, under-utilized campus walking trail and developing trail signage to better promote this resource.
- Drafting a proposal for additional bicycle rack infrastructure and pathways for the campus. Student interns from the Office of Sustainability also conducted a preliminary assessment for Bicycle Friendly Campus designation, outlining a list of needed future actions to achieve certification.

Procurement & Sustainable Food



Figure 7- Farmers Market produce on display at the pop-up location available at monthly fall distribution events, ensuring CSUDH in-need students had access to EBT services and fresh produce throughout the pandemic.

As an entity with significant purchasing power, the campus has great influence over the embedded environmental impacts from the items it buys. By supporting and utilizing suppliers and vendors that incorporate waste reduction, recycled materials, and/or other environmentally friendly materials and practices, the university can support sustainability on a much larger scale. The campus also has an economic and environmental responsibility to attempt to encourage re-use as well as the use of recycled content in its purchases.

Food in terms of production, distribution, and disposal has a massive environmental impact that needs to be part of campus sustainability planning efforts. To that end, this fiscal year, the campus pursued the following initiatives:

Utilities & Services

- Complete replacement of single-use plastic water bottles offered by the warehouse/Facilities Services for employee consumption and events with reusable CSUDH co-branded Pathwaters. Campus Dining also arranged to eliminate single-use plastic water bottle offerings for catering, instead providing water bar rental and options for ordering reusable Pathwaters to event attendees.
- To support in-need students after in-person campus activities shutdown in March 2020 due to the COVID-19 pandemic, the Office of Sustainability had worked with the campus Farmers Market organizers to establish the Toro Pantry Box program. This program enabled anyone to donate a \$30 Farm Box containing fresh Farmers Market produce, eggs, and other essentials to be delivered to the CSUDH Basic Needs drive-up distribution events. During the 2020-21 FY, the program attracted significant funding from donors including \$6,000 from the Loker Student Union and \$3,000 from SoCal Gas to ensure in-need students would receive fresh produce at the monthly distribution events organized by Basic Needs.
- Continued to maintain essential operations of the Camps Urban Farm, donating just over 100 pounds of fresh produce and herbs for distribution at the monthly distribution events organized by Basic Needs.
- Pop-Up Thrift Initiative (Eco Living Workshops): As a co-recipient of the President's Challenge grant, the Office of Sustainability organized an educational series in September to engage students in Housing, in-need students referred by Basic Needs, and incoming freshmen as part of a UNV 101 class in crafting workshops to support eco-friendly living. The workshops were designed to feature crafts and lifestyle tips to help students live a more eco-friendly lifestyle, but also save money and live healthier lifestyles. With the President's Challenge grant, the team was able to purchase start-up kits for 200 students in order to participate in this series, and engage 184 participants in budget-friendly zero waste craft projects, green cleaning techniques, cooking healthy on a budget, and much more.

Academics/Green Workforce Development

Courses

Integrating sustainability concepts into the curriculum and supporting sustainability courses is critical in ensuring students graduate with a strong understanding of their role as global citizens.

Goal: Host at least one event per semester focused on engaging faculty members in support of integrating sustainability into curriculum.

Office of Sustainability Academic Infusion Initiatives

The Office of Sustainability worked with several faculty members during the academic year to help integrate sustainability principles and projects into coursework. This ranged from guest-lecturing particular courses, leading classes on tours of sustainability features, to arranging sustainability activities for students as part of their coursework and class projects.

Description	Date	Students	Class Code
Lissa McCullough- class presentation on sustainability	7/28/2020	24	PHIL 101
John Menary- class presentation on sustainability	10/21/2020	20	UNV 101
Donna Dueker- class presentation on sustainability	11/18/2020	19	HEA UNV 101-23
Lissa McCullough- class presentation on sustainability	11/24/2020	44	PHI 102-33
Jenney Hall- full class participation in weekly Eco-Living Workshops (September), October Sustainability Month events, and November Farm Workshops	Fall Semester	45	UNV 101 IDS 210
Jung Kwon- class presentation on sustainability	3/8/2021	45	PHI 351
Donna Dueker- class presentation on sustainability	4/5/2021	33	HEA 466
Lissa McCullough- class presentation on sustainability	5/4/2021	45	PHI 102-31
Jenney Hall- full class participation in weekly March Race to Reduce cohort cooking workshops	March 2021	48	IDS 210

- On October 16, 2020, Sustainability Manager Ellie Perry conducted a presentation for the Philosophy department to introduce academic resources available for integrating sustainability into the curriculum and commend the department's efforts to re-write department learning outcomes to include sustainability throughout.

Academics/Green Workforce Development

- As a result of the University Sustainability Committee charter adopted in February 2020, the Academic Senate recruited and elected three faculty members to serve as official voting representatives to support the committee and its efforts to integrate sustainability into the university in May 2021.

Internships & Service Learning

In addition to having coursework related to sustainability, students can greatly enhance their understanding of sustainability through hands-on service learning and internships working on sustainability projects.

Goal: Support paid and voluntary internships for at least 3 CSUDH students per semester.

The Office of Sustainability works collaboratively with several departments to support a variety of paid and voluntary internships:

- Sustainability Internships: The Office of Sustainability supported a team of seven student interns throughout the 2020-21 FY.
- For-Credit Interns: Internships performed in exchange for academic credit are important elements of a robust internship program. This fiscal year, the Office of Sustainability supported three volunteer/for-credit interns from Earth Sciences. One student was in the master's program and was able to utilize the for-credit internship towards their ENV 596 requirement. Another undergraduate student was able to apply the internship towards a ENV 496 course. The other undergraduate student opted to apply the service hours to her transcript as part of her general academic record.

Green Workforce Development

In addition to educating employees and students on the importance of sustainability, the campus can also take a role in encouraging the development of workforce skills in the green jobs industry.

Goal: Provide support for at least one green workforce event per semester.

To that end, the Office of Sustainability collaborated with the campus Career Center and other campus groups to host two events over the course of the year specifically designed to encourage the development of the green workforce:

- Hosted a Green Career Panel event and cross-promoted with the campus Career Center on October 14, 2020 to introduce 32 students to three CSUDH alumni successfully working in green careers as part of October Sustainability Month.
- As part of New Student Orientation, the Office of Sustainability participated in the Involvement Panel event on June 18, 2021 to provide an overview and information on engagement and internship opportunities to get involved with sustainability on campus which attracted 56 incoming students.

Academics/Green Workforce Development

Campus Urban Farm

Founded in February 2018 after approval by Presidential Cabinet, the CSUDH Campus Urban Farm (Farm) is an outdoor classroom, lab, and garden that uses a multi-disciplinary approach to address student food insecurity, urban agriculture, and sustainability. A venue for faculty-led research and experiential learning for students, the Farm is now the site for experiments with composting, solar, permaculture, and water-wise techniques.

The Farm occupies approximately .11 acres with 30'x 80' of available growing space. It also houses a large nursery shed, and an adjoining space that is used as an outdoor classroom. Once the site of a campus nursery, the Farm is fully enclosed with a gate and has a sidewalk encircling the main growing area which now consists of 15 raised planter beds, three solar-powered hydroponic towers, and several demonstration growing areas/exhibits.

Mission

The Farm has a strong educational mission, and not only provides fresh produce to food-insecure students, but supports the study of urban agriculture, sustainability, and other faculty-led research projects. By weaving sustainability training and education into the farm experience, CSUDH is preparing environmentally-responsible community members who understand the importance of reducing their energy, water, and waste, as well as understanding the impacts that urban agriculture can have on a community.

The mission of the Farm is to serve as a resource for:

- Providing free and/or affordable produce to food-insecure students.
- Providing a living laboratory space for faculty and students to integrate sustainability into their coursework and research.
- Providing an outdoor classroom space and event venue to support relationship-building in the community, both on-campus and off.
- Piloting a campus composting program to support efforts to keep campus green waste on-site.

Summary Metrics

To ensure the Farm is supporting its mission, it maintains metrics on several key performance indicators. The summary of those metrics is listed here:

Fiscal Year	Pounds of Food	Volunteers Engaged	Classes Engaged
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Figure 8- Teddy Toro in front of the raised beds at the Campus Urban Farm which stayed operational throughout the pandemic.

Academics/Green Workforce Development

	Distributed to Campus		
2017-18 Fiscal Year (February-June)	0 (construction)	140	2
2018-19 Fiscal Year (July- June)	104	291	7
2019-20 Fiscal Year (July- June)	259.4	371	3
2020-21 Fiscal Year (July- June)	108.63	14	3

2020-21 FY Highlights

Despite a challenging third year due to the CSUDH campus remaining mostly virtual for the 2020-21 academic year, and in compliance with health and safety requirements around COVID-19, the Campus Urban Farm continued to grow produce for the campus with a minimal staffing model of pre-approved student interns and Farm docents. While produce was regularly available, food for in-need students was only distributed once a month at socially-distanced drive-up events hosted by the Basic Needs Office which limited the amount of produce the Farm was able to hand out at once. However, what produce was handed out was greatly appreciated as a valuable supplement to the non-perishable goods and prepared meals going out via the distribution events.

Funding

Shell Oil generously donated \$2,500 in early 2021 to support at least three community workshops around urban farming with the goal of engaging at least 75 people. These workshops were scheduled for fall 2021.

Engagement

As the number of visitors to the Farm was severely curtailed by the necessity of minimizing exposure to COVID-19, engagement around urban farm topics was kept on virtual platforms where possible. This included:

- Eight weekly training workshops aligned with the eight lessons in the Farm Docent Training program administered via Zoom in the fall of 2020 (September-October). 44 participants attended the live Zoom workshops.
- Three Farm community education workshops focused on urban gardening and SNAP-ED content inspired cooking topics administered virtually in November. 130 community members and students logged into Zoom to participate in these workshops.

However, a dedicated volunteer and paid intern crew (14 people on rotation) continued to visit the Farm on a regular basis to keep it operational throughout the fiscal year.

Academics/Green Workforce Development

Academics

Despite the virtual learning environment and inability to safely allow classes into the Farm during the 2020-21 FY due to COVID-19 precautions, three IDS classes taught by Campus Urban Farm faculty co-sponsor Jenney Hall took full advantage of the virtual programming offered by the Farm (as outlined in the Engagement section above). The Farm workshops were open to all academic majors, ensuring programming benefitted students from multiple academic disciplines.

Contact Us

For more information, please visit our website at: www.csudh.edu/sustainability/campus-urban-farm/
The CSUDH Campus Urban Farm regularly posts to Instagram [@dhurbanfarm](https://www.instagram.com/dhurbanfarm) and can be reached directly at dhurbanfarm@gmail.com

Engagement

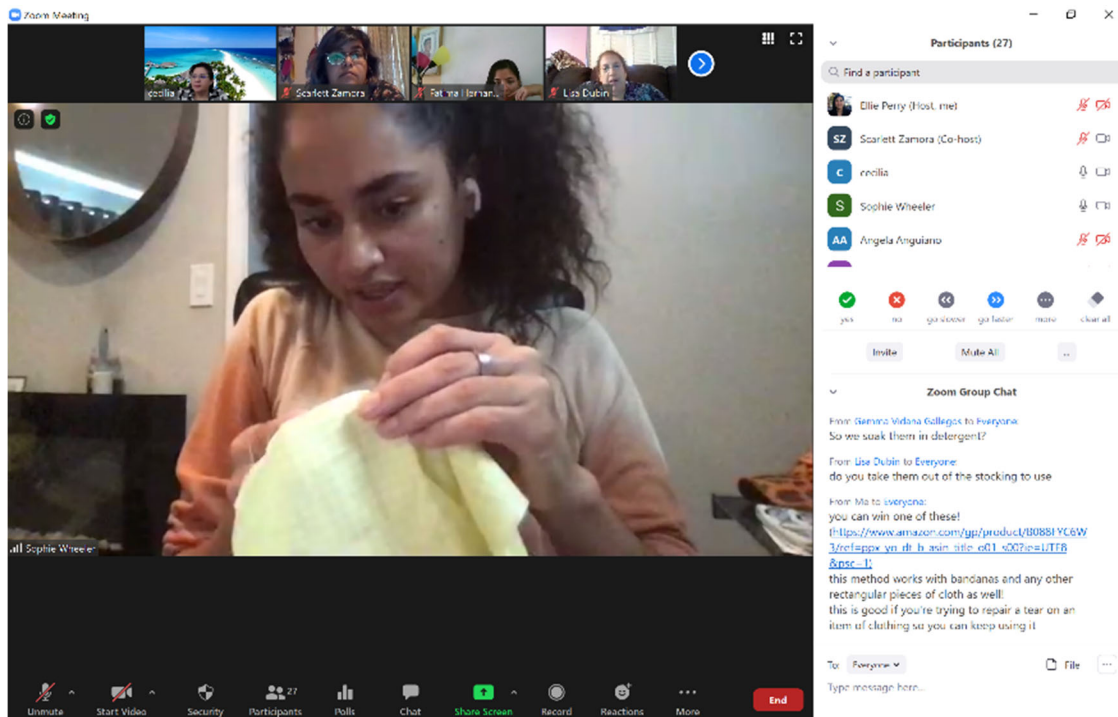


Figure 9- Student facilitators conducting an Eco-Living workshop via Zoom to teach attendees eco and budget friendly tips and behaviors to reduce their impact on the environment.

Outreach Campaigns

In order to support the sustainability goals of the campus, the Office of Sustainability supports educational programming to encourage sustainable user-behavior change on a variety of topics.

Goal: Reach at least 10% of the FTE campus population every fiscal year through direct interactions via outreach events and campaigns.

- Progress:
 - The 2020 fall FTE was 14,574 which means outreach efforts would need to reach 1,457 students to represent 10%. This fiscal year's outreach campaigns reached 1,850 people total, exceeding this target.
- 2020-21 FY Initiatives:
 - **Academic Infusion Engagement:** As mentioned in previous sections of this report, the Office of Sustainability conducted general academic programming that collectively reached 323 students.
 - **Welcome Events:**

- **Freshman New Student Orientation Events:** In order to orient incoming freshmen to sustainability concepts and services, the Office of Sustainability presented at the virtual New Student Orientation Involvement Panel on June 18, 2021 which reached 56 new students.
- **Eco-Living Workshops** were conducted weekly during the month of September and provided virtual workshops featuring hands-on crafting activities and tips to help students live a more eco-friendly lifestyle. 120 people were reached through this campaign.
- **October Sustainability Month** was a four-week effort to rally the campus around National Campus Sustainability Month through a series of virtual workshops related to sustainability. 100 people were reached through this campaign. The activities included:
 - Week 1- Virtual Sustainability Town Hall celebrating campus sustainability accomplishments.
 - Week 2- Green career panel consisting of three CSUDH alums working in sustainability-related fields to discuss tips and recommendations for entering the green workforce as well as open Q&A by students attending.
 - Week 3- Virtual Tree Planting Party to view video of trees being planted at the Student Activities Field as well as celebrate benefits of urban trees.
 - Week 4- Virtual tour of Central Plant as well as overview of different energy technologies utilized by the campus.
- **November Farm Workshops** featured weekly virtual workshops focused on urban gardening and live cooking demonstrations of healthy recipes featuring in-season produce. 130 live attendees tuned into the workshops.
- **Farm Docent Training classes** were offered asynchronously via Youtube but also weekly for a live audience from October-November 2020. The eight classes attracted 44 attendees throughout the duration.
- The **March Race to Reduce campaign** placed a larger emphasis on engaging the campus in sustainability activities designed to reduce campus resource consumption. This was intended as a four-week campaign just before spring break as a lead up to Earth Day that ultimately engaged 180 people in weekly healthy cooking workshops featuring in-season produce and zero waste crafting activities.

Additional Campus Outreach

In addition to formal campaigns, the Office of Sustainability supported additional ad-hoc outreach efforts to further sustainability education to the campus:

- The Office of Sustainability continued to provide paid student intern support for the Sustainability Club to ensure continued programming and engagement. 88 attendees participated in the weekly Club meetings and virtual activities offered throughout the 2020-21 academic year.



Figure 10- Flyer for the virtual CSUDH Earth Day festivities on April 20, 2021 activity.

Community Outreach

The largest sustainability event catered to reaching the outside community specifically is the annual Earth Day Festival. Due to COVID-19, the 2021 annual festival was again held virtually on April 20, 2021. To that end, the Office of Sustainability supported virtual festivities to enable the CSUDH community to celebrate the event remotely:

- On the day, the Earth Day committee and Office of Sustainability collaborated to feature a variety of guest lecturers and speakers who hosted hour long lectures and Kahoot trivia quizzes for prizes from 9am-2pm on a variety of different sustainability topics. 96 people participated during the live sessions throughout the day to participate in the games and educational content, while 270 people registered for the event and received access to the recorded sessions.

Contact Information



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Information on the Office of Sustainability

California State University, Dominguez Hills and other state institutions are major consumers of energy and natural resources. The university has a responsibility to be a wise steward of scarce resources by reducing the use of non-renewable resources, increasing energy efficiency, and as part of the larger CSU system, promoting continued economic and ecological viability in California. CSU Dominguez Hills is on the cutting edge of sustainability efforts by an urban campus, and is actively providing leadership in engaging faculty, students and staff in on-campus sustainability efforts. We are looking at ways to increase partnerships and funding to support the educational, research, and public service missions of the university as they relate to sustainability.



Please consider the environment before printing this report.