CHABOT COLLEGE

Addressing the Climate Crisis at Chabot in Collaboration with Las Positas

October 18, 2022

Purpose & People

The Chabot Climate Action Workgroup (CCAW), which has been meeting for almost five years, with ongoing support from President Sperling, is dedicated to bringing interdisciplinary curriculum, programs, and college initiatives focused on the challenges our community and earth face due to a rapidly changing climate and ongoing environmental degradation.

This year, we have focused on collaborating with faculty, administrators, and classified professionals at Las Positas to drive a culture shift at both colleges.

- **Tom deWit**, English, Chabot
- **Eric Helztel**, English, Chabot
- **Tess Weathers**, Engineering, Chabot
- **Sarah Flores**, Reprographics, Chabot
- **Scott Hildreth**, Physics, Chabot
- **Suzanne Maher**, Geography, Chabot
- **Sean McFarland**, SIC, Chabot
- **Jeanine Grillo**, Nutrition, Chabot
- **Mike Ansell**, Chemistry, Las Positas
- **Dan Cearley**, Anthropology, Las Positas
- **Marsha Vernoga**, Nutrition, Las Positas
- **Chris Dudzik**, Chemistry, Las Positas
- **Katie Dickinson**, Climate Action Coordinator, District

Vision

Make Chabot a hub for climate action and climate justice

Without significant climate mitigation and adaptation efforts, tipping points will be reached and the consequences will be dire.

- Marginalized communities will be most affected by climate change
- Chabot is located in an area with 11 hazardous Environmental Justice Indicators

Train and mobilize our students to join the green workforce

According to the U.S. Bureau of Labor Statistics, occupations related to helping the environment or conserving natural resources are projected to grow significantly by 2030.

- Find opportunities for our students to gain work experience
- “Climatize” our curricula

Rebrand Chabot as a leader in the Great Transition to keep our earth livable for future generations

Around the country, colleges and universities have already started to address sustainability as a key area for attracting students as well as serving their communities.

- Adopt “campus as a living lab”
- Attract more students to our colleges
- Jobs in the regenerative economy are the fastest-growing

Accomplishments Since April

May

Chabot received $50,000 grant from StopWaste for a reusable container pilot program

Supporting the City of Hayward with update to their Climate Action Plan

First ever Earth Week at Las Positas. Go Hawks!

Jun

Completed both college's greenhouse gas inventories

Began drafting Chabot's updated Climate Action Plan

Purchase of electric tractors at both colleges

Jul

Post Landfill Action Network drafted Chabot's waste assessment

Began partnerships with local Environmental Justice organizations

Aug

Collaborating with LPC professors to create a GIS portal and drone project

Restarted student club RAGE (Revolutionaries Advocating for Greener Ecosystems)

First class of GIS certificates handed out

Sep

Applied for a $50,000 grant to "climatize" curriculum

RAGE revitalized the Chabot Knowledge Garden

First draft of Climate Action Plan presented to stakeholders

Oct

Partnering with City of Hayward on Food Action Plan

Managed 15 student internships to date

Change It Now Conference focused on Climate Justice

Partnering with local high schools on sustainability projects

Top Priorities Now

Goal 1: Institutionalize Sustainability and Just Transitions

- Hire a Sustainability Team to work on initiatives full-time
- Institutionalize CCAW to deepen sustainability efforts

Goal 2: Activate Student Capacity

- Create a continuous budget for green workforce development training
- Establish the colleges as the first choice for students who want to study sustainability, environmental justice, and climate science

Goal 3: “Climatize” Curriculum

- Incentivize and train teachers to implement sustainability, climate change, and environmental justice topics in their courses

Goal 4: Create a Campus Culture Shift and Increase Community Engagement

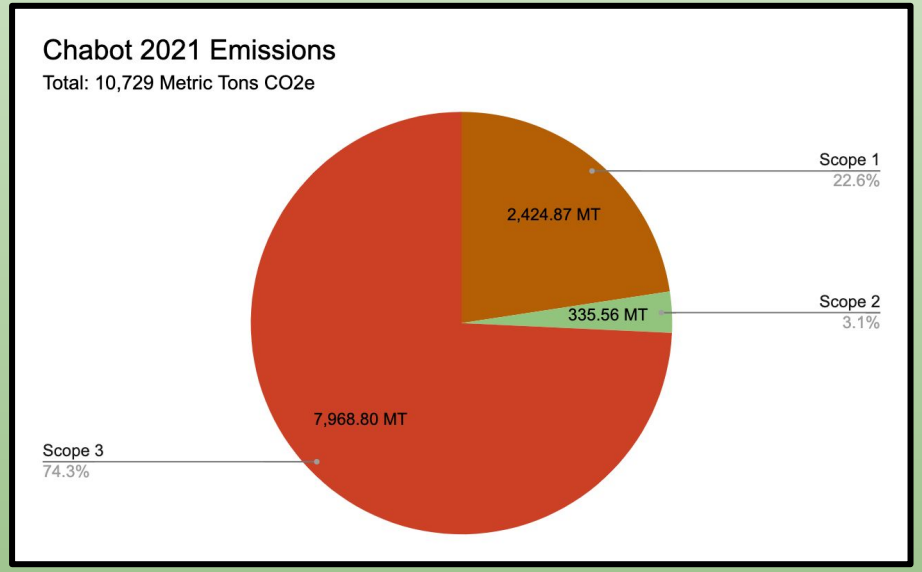
- Work with the City of Hayward on their $125,000 Food Plan Grant
- Increase community outreach

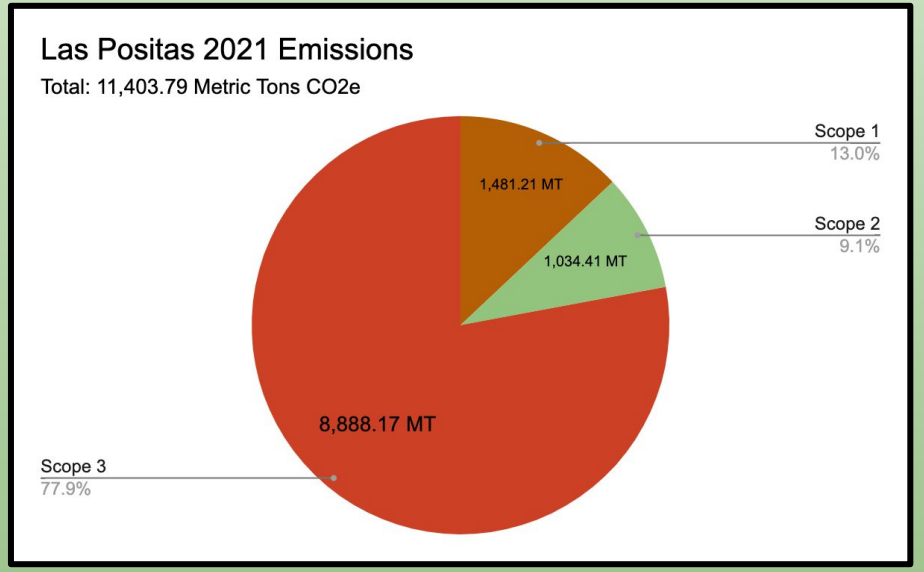
Goal 5: Green the Maintenance & Operations of the District

- Enact comprehensive Board Policies and Administrative Procedures that will create a cultural shift and make the District more sustainable

Greenhouse Gas Inventories

- **Scope 1 Emissions**: Natural gas and district owned vehicles
- **Scope 2 Emissions**: Purchased electricity and on-site solar generation
- **Scope 3 Emissions**: Students and faculty commuting to and from the colleges, and emissions from waste





Chabot Key Findings:

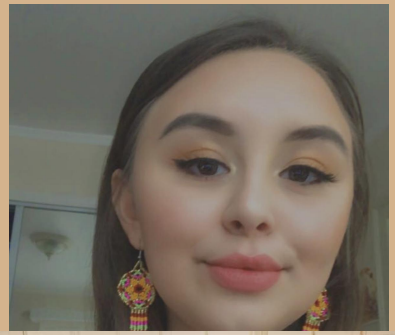
Las Positas Key Findings:

Money Brought In

Name	Purpose	Status	Amount
StopWaste Grant	Reusable foodware pilot	Received	$50,000
E2 Energy to Educate Grant	“Climatize” Chabot’s curricula	Submitted, pending	$50,000
EJ4Climate Grant	“Climatize” Chabot’s curricula	Planning to submit	$200,000
Hayward Food Plan Grant	Strengthen Hayward’s food systems	In progress	$125,000
Beverage Container Recycling Grant	Implement more water refill stations on campus	Planning to submit	$275,000
Student Internships	Paid student internship program	Received	$18,000
California Air Resources Board	Grant to purchase two electric tractors for M&O	Received	$99,402

Total: **$817,402**

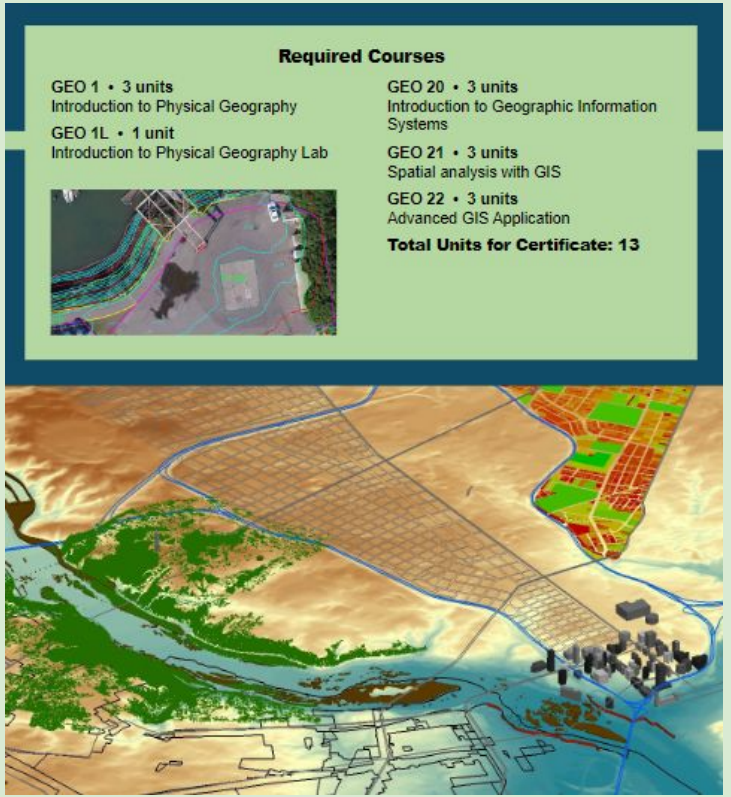
Student Interns



Collaboration with Las Positas

Images from GIS cert.

Drone/GIS Project



Interdisciplinary Earth-themed Course and Program Development

-Geology discipline hire supports a greatly needed missing link in our Earth Science offerings

-GIS certificate (information technology) has first batch of graduates

-Climate Studies Course (Geography 13)

-Weather and Climate (Geography 8)

-Nutrition for a Sustainable Future (Nutrition 9)

- Next Steps
  - Incorporate existing and new environmental and sustainability focused courses into interdisciplinary Environmental degree

Student-Inclusive Projects & Events

Chabot Engineering Club competes in a Solar Regatta and an electric vehicle competition

RAGE garden planting day