

UCCE Central Sierra

Program Updates

Presented by
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2/7/2023



Current Statistics

Advisors

- Scott Oneto (Agriculture, Weed Control, and Natural Resources)
- Susie Kocher (Forestry and Natural Resources)
- JoLynn Miller (4-H Youth Development)
- Hardeep Singh (Local Food Systems)
- Cindy Chen (Woody Biomass and Wood Products)
- Flavie Audoin (Livestock and Natural Resources)

Staff

- 4.15 FTE administrative support staff
- 1.5 FTE 4-H staff
- 2.5 FTE Master Gardener staff
- 1 Master Food Preserver staff
- 4 Forestry/Fire staff
- 8.5 FTE UC Cal Fresh Healthy Living staff

Future Statistics

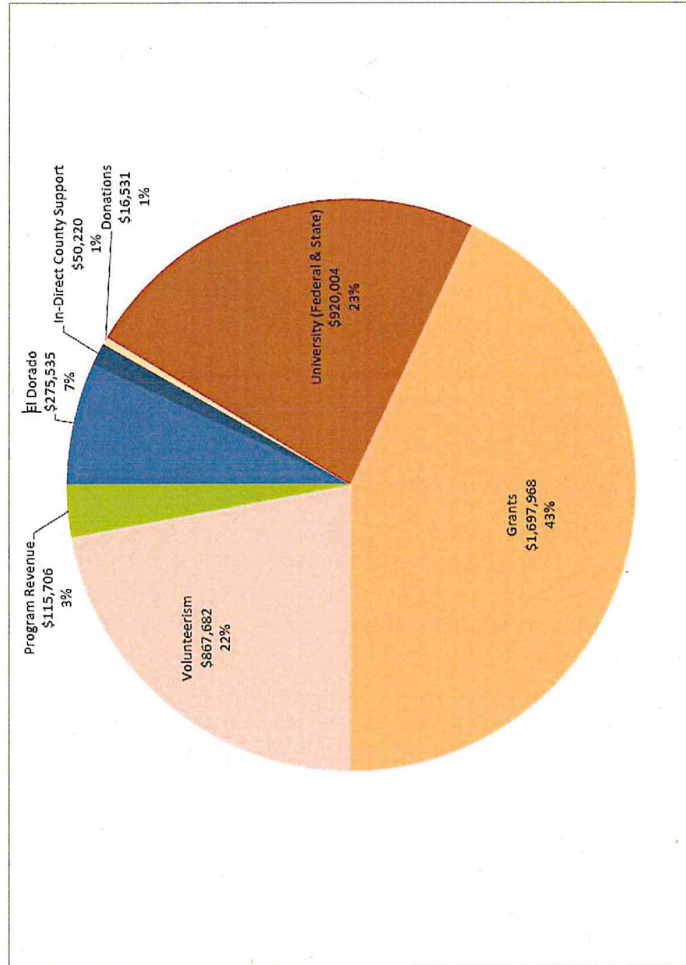
In Recruitment: Advisors

- Community Health and Nutrition
- Integrated Pest Management
- Disaster Resilience

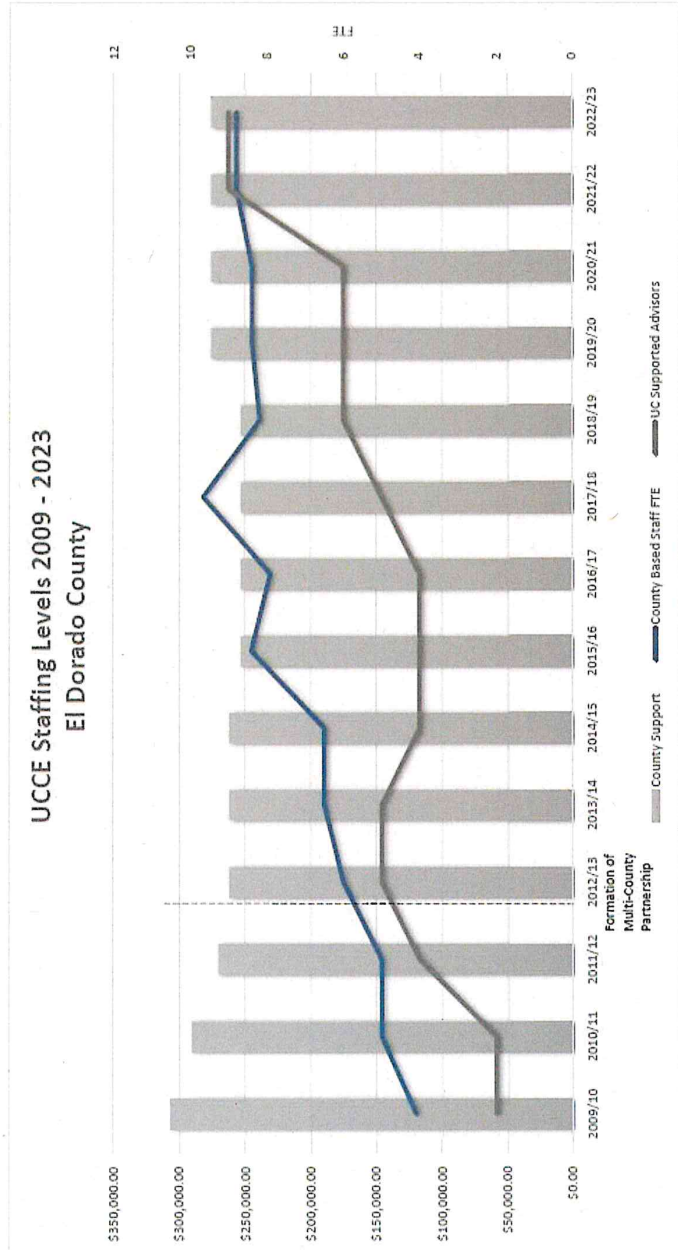
In Recruitment: Staff

- .8 FTE 4-H staff
- .5 FTE Master Food Preserver staff
- 2.5 FTE UC Cal Fresh Healthy Living staff

2021-2022 Fiscal Breakdown



2022-2023 Budget vs. Staffing



Meet Our New Advisors



Hardeep Singh



Cindy Chen



Flavie Audoin

Hardeep Singh

Local Food Systems Advisor

- Born and raised in rural Punjab, India
- BS Agriculture, Punjab Agricultural University, India.
- MS Plant Science, Fresno state
- Assistant Specialist small farms, UCCE-Fresno.
- Wheat, Rice, Cotton, Maize, Almonds, Pistachio, Wine grapes, Moringa, Bok Choy, Lemongrass, Cover crops, Citrus, Controlled Environment Agriculture



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Agriculture and Natural Resources

Cooperative Extension

Planned Work

- Maximize environmental and community benefits related to sustainability and competitiveness of local agriculture.
- Serve clientele in crops including; apples, pear, peach, plum, wine grapes, walnuts, cherries, olives, vegetables, and other commercial agricultural crops.

Develop and Disseminate science-based practices for

- Improving crop production efficiency
- Pest management
- Nutrient management
- Irrigation scheduling
- Organic production
- Controlled environmental agriculture
- Ecological farming
- Technical assistance with regulatory compliances
- Food safety
- Marketing
- Scale equipment technology

Cindy Chen

Woody Biomass and Wood Products Advisor

- **Education:**
 - PhD, Environmental and Forest Sciences, University of Washington
 - M.A. and B.A., Social Ecology, University of California, Irvine
- **Research Focuses and Expertise:**
 - Wood products and renewable construction materials
 - Innovative products, manufacturing, applications, marketing
 - Biomass and biomass-based products
 - Carbon balance of wood products
 - Life cycle assessment and product end-of-life

Planned Work

- Developing needs assessment for the region to accurately identify challenges and best practices
- Grant proposals to introduce innovative wood products to Central Sierra counties
- Study site and opportunities for public involvement
- Develop education and training programs for local students interested in forestry/wood products industry

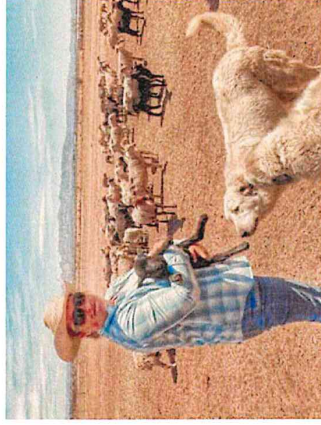
Outcomes and Long-Term Vision

- Increase public knowledge and acceptance of woody biomass utilization and wood products
 - Long-term benefits: climate change mitigation, wildfire risk reduction, economic development
- Promote the development of a healthy wood and biomass processing industry that bring jobs and economic prosperity to the region
- Develop a career pathway for students in the technical field
 - Introducing new technology and opportunities different from traditional forestry jobs
 - Community College and school districts involvement

Flavie Audoin

[Flah-vee Oh-dwan]
Livestock and Natural Resources Advisor

- PhD in Natural Resources from the University of Arizona with a major in Ecology, Management, and Restoration of Rangelands and a minor in Animal Sciences.
- Research on grazing behavior, diet selection, and meat characteristics of range-fed Criollo cattle in Southeastern Arizona.
- 17 years of experience with dairy and beef cattle (France and Arizona).
- 10 years of experience with Navajo Churro sheep (Arizona).
- 10 years of experience in marketing lamb, and beef directly to consumers.



Planned Work

- Help El Dorado County's ranchers with marketing their products
- Investigate the viability of local meat processing facilities
- Provide information on how to raise small livestock (goats, sheep, pigs, chickens)
- Educate Central Sierra citizens on the use of small livestock to prevent fire

Potential Impacts

- Increase the net revenue for El Dorado County's ranchers.
- Provide educational tools to help the community with their projects of raising small livestock.
- Prevent or decrease potential impacts of fire in the County.

Thank you

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