

Amber Butland

Title: Community Education Specialist, UC Cooperative Extension Fresno

Topic: Grant Funding for Growers



State Water Efficiency & Enhancement Program (SWEEP) Funding

Amber Butland

Community Education Specialist

Climate Smart Agriculture Program

UCCE Fresno County

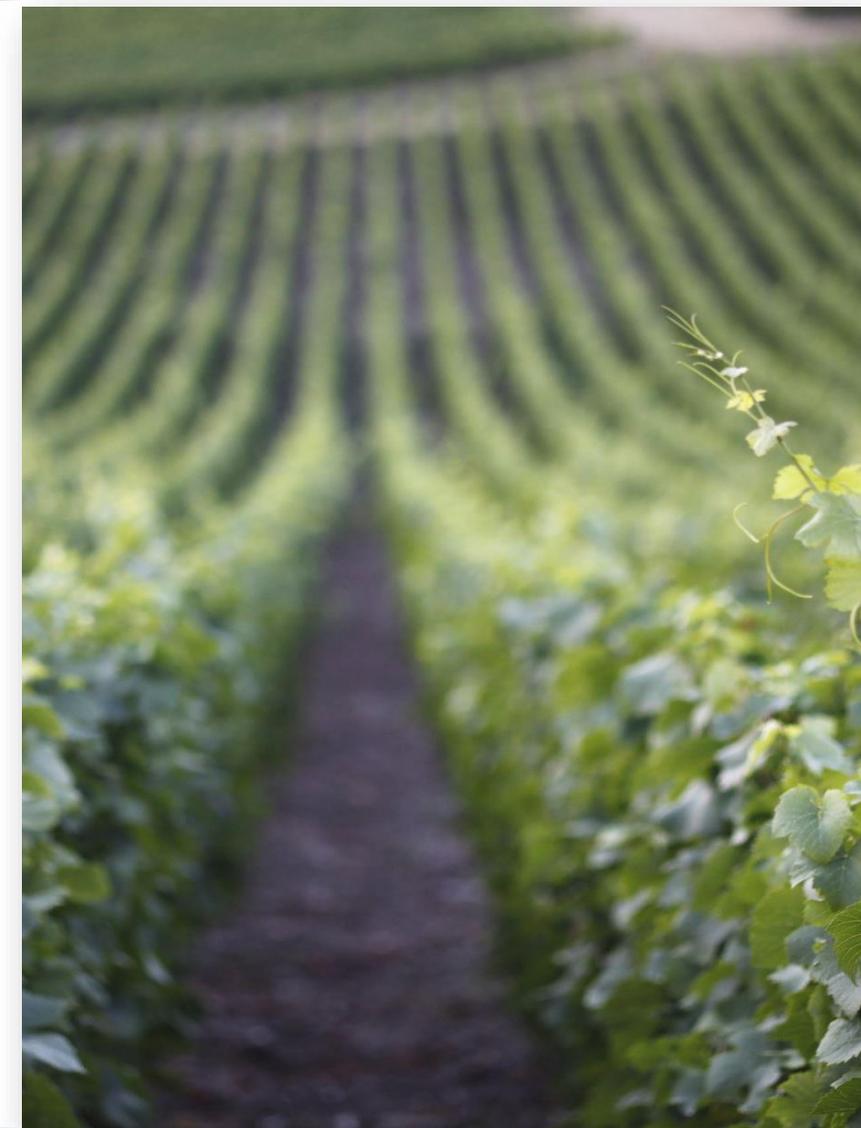
July 13, 2023



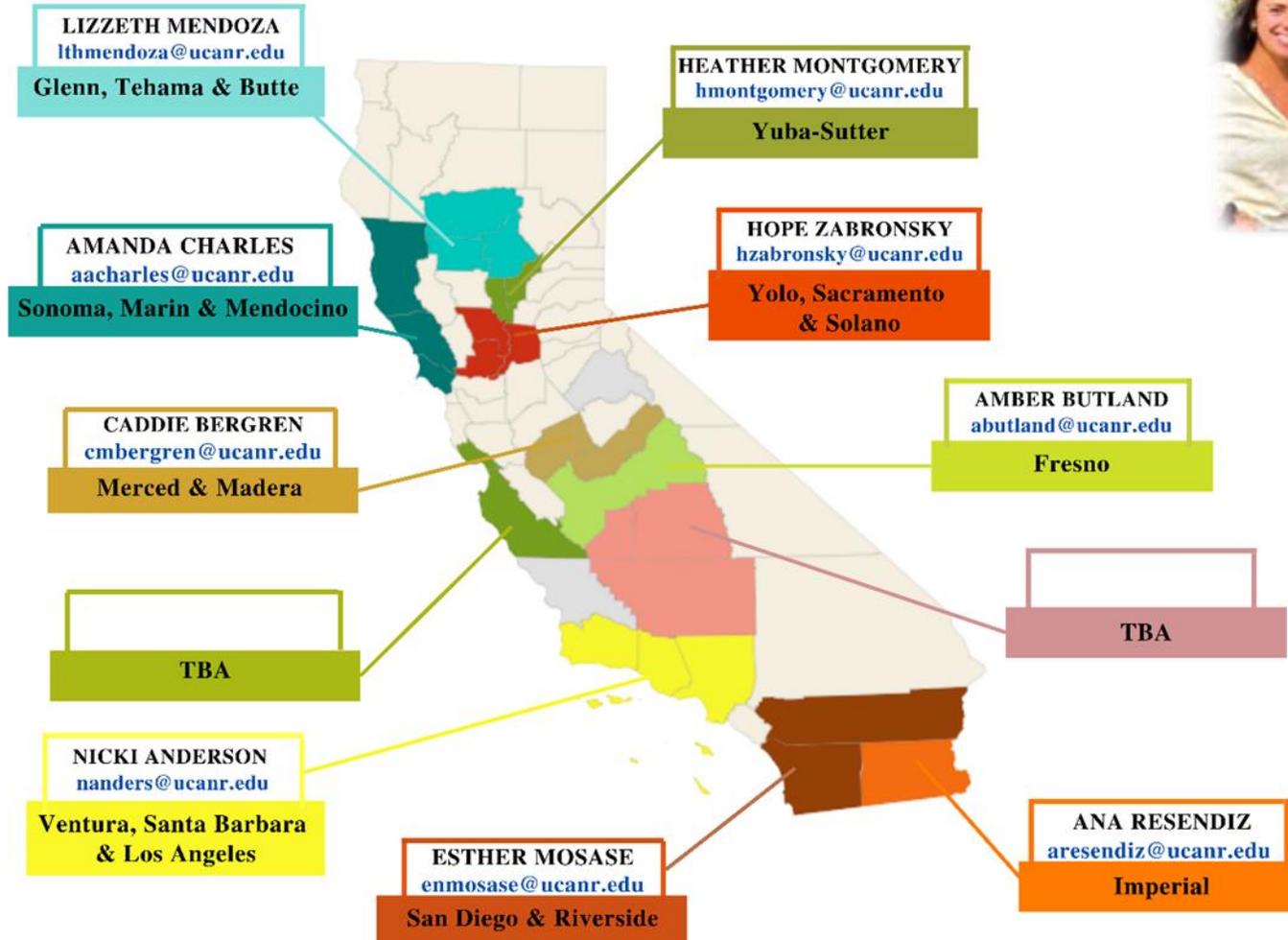
UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources

Overview

- ❑ Climate Smart Ag CES
- ❑ State Water Efficiency & Enhancement Program
 - ✓ What is SWEEP?
 - ✓ SWEEP Projects
 - ✓ Benefits of SWEEP practices
 - ✓ SWEEP Resources
- ❑ Solicitation Changes of CDFA Grant Programs
- ❑ Questions



Climate Smart Agriculture Program



What is State Water Efficiency and Enhancement Program?



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE



**State
Water
Efficiency &
Enhancement
Program**

Provides financial assistance to implement irrigation systems that reduce greenhouse gases and save water on California ag operations.

Started in 2014 – merit based or first come, first served

Up to \$200,000 to implement the use of new irrigation systems on operating Agriculture Farms and Ranches



Funding and Duration

Application window expected 2023 fall/winter

- Max award amount: \$200,000
- Max grant duration: 24 months
- Reimbursement
- An ag operation cannot receive a total cumulative SWEEP award greater than \$600,000.
- Cannot build on a previously funded SWEEP project on the same APN.

Eligible System Components

- Soil, weather, plant sensor
- Drip Systems Components
- Pump retrofits or replacement
- Fuel conversion (diesel to electric)
- Variable Frequency Drives
- Installation of Renewable Energy
(solar)



Not eligible:

- New/deeper wells
- Additional pumps
- Newly planted acreage

Allowable Costs



- All components of irrigation systems
- Sensor hardware and telemetry
- Software associated with sensors and weather stations
- Flow meters (required)
- Permits
- Electric connection fees
- Subscription services for project term

Pre-Application Preparation

ENERGY STATEMENT Account No: 1023456789-0
www.pge.com/MyEnergy Statement Date: mm/dd/yyyy
Due Date: mm/dd/yyyy

2 Service For: RESIDENTIAL CUSTOMER
1234 MAIN STREET
ANYTOWN, CA 00000

3 Your Account Summary

Amount Due on Previous Statement	\$57.87
Payment(s) Received Since Last Statement	-57.87
Previous Unpaid Balance	\$0.00
Current Electric Charges	\$58.09
Current Gas Charges	5.81

4 Questions about your bill?
Monday-Friday 7 a.m.-9 p.m.
Saturday 8 a.m.-6 p.m.
Phone: 1-800-743-5000
www.pge.com/MyEnergy

5 Total Amount Due by XX/XX/20XX **\$63.90**

6 Current charges include a discount \$XX.XX for CARE.

7 Your Enrolled Programs
CARE Discount

8 Monthly Billing History

9 Important Messages
Neighborhood payment centers: Did you know it's FREE to pay your PG&E bill at any of our 600 authorized neighborhood payment centers? Payments made by 5 p.m. will post to your PG&E account the same day. Locations and times of operation may be more convenient for your schedule. Call 1-888-743-0011 to find a location near you.

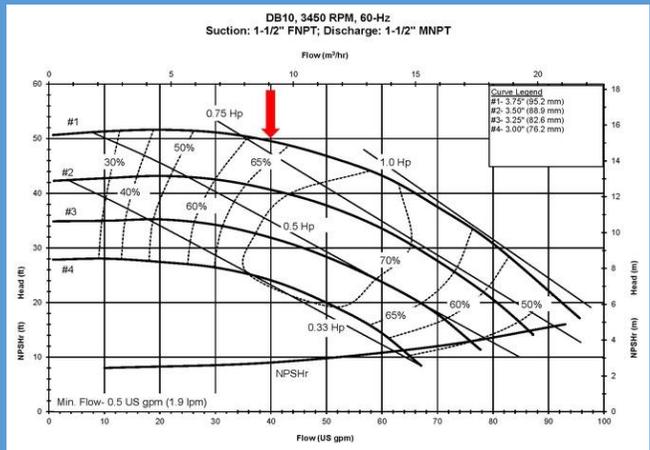
10 99901234567890100000xxxxxx000000xxxxxxx

Account Number: 1023456789-0 Due Date: mm/dd/yyyy Total Amount Due: \$63.90 Amount Enclosed: \$

RESIDENTIAL CUSTOMER
1234 MAIN STREET
ANYTOWN, CA 00000

PG&E
BOX 997300
SACRAMENTO, CA 95899-7300

Page 1 of 4



What to collect if you are considering applying:

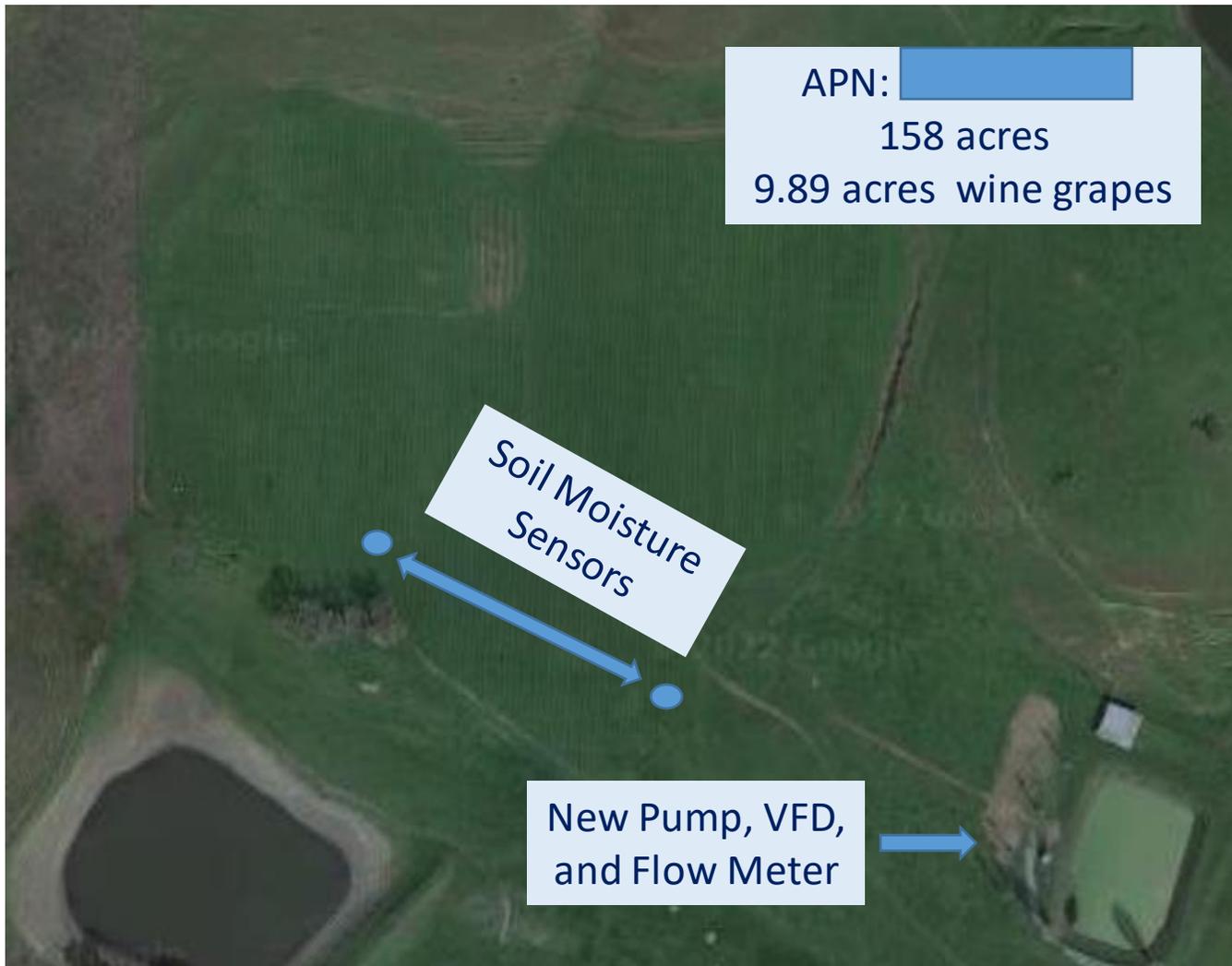
- Energy records from the past 12 months for all systems included in the project
- Pump Efficiency Tests (valid for up to 24 months prior to application opening) - cost is not covered in application
- Bids from vendors on desired project components (required for solar projects)

Application Attachments

- Project Narrative
- Project Design
- Budget Worksheet
- Water Savings Tool
- GHG Calculator Tool



Project Design



Must Include:

- Labeled APN
- Detailed schematic of the location of proposed infrastructure
- Location of existing or proposed flowmeters
- Crop and water source
- Online Map

Post Award Activities

Yes, you will be **required** to have a flow meter.

- Pre-project Consultation (Phone)
- Post-project Verification by CDFA (Photos & Phone)
- Post-project Quantification by CDFA or third party rep (up to 3 years)
- Expectation to maintain the system for minimum of 10 years



SWEEP FAQ's

1. Is there a minimum amount required for matching funds?

No. Matching funds are encouraged, but not required.

2. Can applicants apply to both SWEEP and EQIP, and if awarded EQIP funding, withdraw their SWEEP application?

Yes, applicants may apply to both programs. If awarded EQIP funding, applicants would not be eligible to receive SWEEP funding on the same parcels for the same equipment. Applicants may indicate components funded by EQIP as matching funds.



SWEEP FAQ's

3. Is a pump efficiency test required even if changes to the pump(s) are not a part of the project?

Yes, applicants must determine pump efficiency for all the pumps (including booster pumps) that service the irrigation system in order to complete the required SWEEP GHG Calculator Tool. This cost is not covered by SWEEP.

4. Is there a minimum threshold for water savings and greenhouse gas (GHG) reductions?

No, there is not a minimum threshold for water savings and GHG emissions reductions as long as water savings can be estimated using the SWEEP Irrigation Water Saving Assessment Tool Page 2 and GHG reductions can be quantified using the Air Resource Board (ARB) quantification methodology.

SWEEP Website and Resources



Application Materials

Priority Population Map Tool

2021 SWEEP Budget Worksheet 

SWEEP Irrigation Water Savings Calculator 

SWEEP GHG Calculator 



Resources

SWEEP flyer 2021 

2021 SWEEP Public Comments 

2021 SWEEP RGA Public Comment Summary 

Past Solicitations

List of Agricultural Management Practices
Incentivized by SWEEP

Irrigation Technical Resources

SWEEP Sub-Advisory Group

<https://www.cdfa.ca.gov/oefi/sweep/>



Sweep Videos



Climate Smart Agriculture: Rossow Farms

Episode 1: SWEEP has had a positive effect on Seth Rossow's family owned farm, Rossow Farms which is located in Merced, San Joaquin County. (4:06) 



Solicitation Changes

Block Grant Pilot Program Proposal: Healthy Soils Program (HSP) and State Water Efficiency and Enhancement Program (SWEEP)



1

Release Draft RGAs For Block Grant Pilot & TA for Public Comment

- Extend existing TA agreements &
- Solicit new TA providers

2

Run the Block Grant & TA solicitations

- Select awardees and Execute agreements

3

Run Traditional Programs

- Allow individual Farmers and Ranchers to apply directly to CDFA programs

- Upcoming solicitations –
- Traditional Style & Block Grant Style
 - Early 2023 Application Periods

Presented by the CDFA during the Environmental Farming Act Science Advisory Panel on October 20, 2022

Questions?

Contact me with any further questions!

Amber Butland
abutland@ucanr.edu
(559) 241-7545
550 E. Shaw Ave.
Suite 210-B
Fresno, CA 93710