

# WELCOME! PLEASE SHARE

- Name
- Where you are joining us from
- What you're most excited to learn about today





# **Top Ways to Ditch Fossil Fuels**

**FEBRUARY 16, 2023** 

COMMUNITY ENVIRONMENTAL COUNCIL 3CREN ECOLOGY ACTION

LEADING
ENVIRONMENTAL
ACTION ON THE
CA CENTRAL COAST
SINCE 1970



# Sigrid Wright

CEO/EXECUTIVE DIRECTOR
COMMUNITY ENVIRONMENTAL COUNCIL





## HOUSEKEEPING

Please add your questions to the Q&A or upvote questions that have already been asked.



## LET'S GET TO KNOW YOU

# Answer the poll that pops up on your screen.





# LET'S GET TO KNOW YOU Poll results.



#### TODAY'S HOST

## Michael Chiacos

DIRECTOR OF CLIMATE POLICY
COMMUNITY ENVIRONMENTAL COUNCIL



# California is Ditching Fossil Fuels

#### Path to 100% Clean/Renewables

#### **Electrifying Transportation**

**Electrifying Buildings** 

**Strong Programs to Help You** 







- 2. Drive Clean
  - New EVs start under \$20,000 for Bolt, Leaf after incentives
  - Used EVs start at \$5,000
  - Federal \$7,500 new/\$4,000 used tax credit
  - New CVRP, 3CE rebates -\$4,000
    - \$10,500 for low/mod income (under \$111k family of 4)
  - Used 3CE, PG&E or SCE -\$2,000
    - o as much as \$10,000 low/mod income





## 3. Fly Less

Most carbon-intensive activity many of us do

Flying family of three to New York = driving gas car for 5 months





- EVs and heat pumps + solar = faster payback
- NEM 3.0 starting April 13
  - Solar+storage
- Choose 100% renewable rate from your utility



- 6. Battery Storage
  - Expanded 30% tax credit
  - Use with solar to help the grid
  - Back-up power in rural areas



- LED lighting and efficient fridge/appliances
- New tax credit of 30% (up to \$600/project)
- \$3,200/yr(two EE projects + heat pump)
- Insulation/Air Sealing
- Electric panel upgrade
- **Energy Star** window/skylights/doors



- Solar on Multifamily Affordable Housing (SOMAH)
- **3CREN Multifamily** program
- Central Coast Community Energy programs
- EV charging programs



#### More plant-based meals

- 10-50x smaller emissions than animal
- More vegan/vegetarian meals

#### Food waste

- 40% of food is wasted
- Better food planning
- Food not lawns
- Reduce, re-use, recycle





cec.pub/takeaction



# April Price

ENERGY PORTFOLIO MANAGER COUNTY OF SANTA BARBARA

# ENERGY UPGRADES FOR HOMEOWNERS



April Price

February 16, 2023



## 3C-REN: Tri-County Regional Energy Network

 Three counties working together to improve energy efficiency in the region

- Services for:
  - Building Professionals: industry events, training, and energy code compliance support
  - Households: support with home energy upgrades
- Funded by ratepayer dollars that 3C-REN returns to the region







BUILDING PERFORMANCE TRAINING



## **Benefits of Energy Upgrades**

#### **Energy Efficiency**

- Reduce electricity/natural gas bills
- Enhanced comfort
- Reduce GHG emissions

#### **Electrification**

- Improve air quality
- Reduce health risks from fossil fuel combustion
- Reduce fire risk
- Reduce GHG emissions



Programs that make energy efficiency and electrification more affordable

### How much can I really save?

State/local incentives and tax credits can stack to total

 $\sim$ \$6,000 to \$9,000 of a  $\sim$ \$12,000 heat pump project in our region.

 For customers that are on discounted utility rates, or don't speak English as their primary language, incentives will likely cover the entire cost of the project (SB and SLO Counties).

#### **Examples at the end!**



### **Single Family Program**

- Competitive/discounted pricing available from enrolled contractors
- Especially discounted pricing for "Hard to Reach" customers
- Quality work because contractor payments are tied to performance

Learn More: 3C-REN.org/for-residents#!directory



### **Eligibility Criteria**

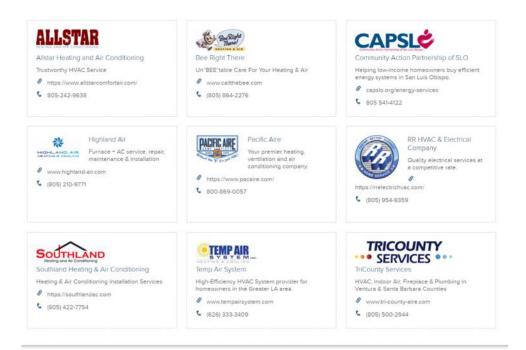


- Single-family residential customer (includes mobile/manufactured homes)
- Live within the 3C-REN territory and receive IOU or CCA service
- No added solar within 12 months
- Lived at the home for at least 12 months

#### **Enrolled Contractors**



Example: HVAC Enrolled Contractors



Learn More: 3C-REN.org/for-residents#!directory

# How to Participate: Connect with a Contractor



- 1. Visit **3C-REN.org/for-residents**
- 2. Complete the interest form

AND/OR

Search for a contractor

3. Complete your energy upgrade project

First Name	City
.ast Name	State/Province Zip
Street	Email
	Phone
am interested in (press cmd or ctrl key to select multiple opti Appliances	ons):
Insulation Lighting Windows I'm exploring an all-electric home	I'm not a robot (GCATIONA, Roany - Terms)
New or tuned up heating and/or cooling system Other energy-saving upgrade(s)	Submit



## **3CE Electrify Your Home**



- •Receive up to \$3,800 for Heat Pump Water Heater equipment and installation
- •Receive up to \$3,500 for Heat Pump HVAC equipment
- •Up to \$2,000 for electric panel upgrades/replacements
- Additional \$1,000 per unit for CARE/FERA qualified customers
- \*All incentives are passed down to you by the contractor

Learn More:3cenergy.org/electrify-your-home/

### **Eligibility Criteria**

- Single-family homes and multifamily units are eligible
- Live in 3CE's service territory
- Work with a qualified contractor
- Convert a gas water heater or HVAC system to an electric heat pump



# TECH Clean California Incentives still available for water heaters



\$3,100 available in SoCalGas territory for heat pump water heater conversions from natural gas.

\*\*Locally most relevant for non-3CE customers

# TECH Clean California Incentives HVAC: Returning Soon



#### Single Family Relaunch Details



- Launch Spring 2023
- \$1,000/unit, max of 2 units per dwelling
- Minimum Efficiency: TBD
- Dual fuel systems will be accepted, but only if it is an AHRI matched system with controls to limit furnace operation



#### Single Family HPWH

- Launch aligned with SGIP HPWH,
- TECH will provide gap funding to fill in geographic regions that SGIP HPWH cannot serve
- TECH team will educate market and customers about DR requirements to prepare stakeholders ahead of launch

<sup>\*\*</sup>Locally most relevant for non-3CE customers

# How to Participate in TECH and 3CE's Programs: Connect with a Contractor



Work with a contractor listed on

switchison.cleanenergyconnection.org

OR

Ask your preferred contractor to sign up for TECH Clean California

2. Complete your energy upgrade project and receive either an upfront discount or a post-install rebate

# **Energy Efficient Home Improvement Tax Credit**

#### Federal Tax Credit (started Jan, 2023, part of the Inflation Reduction Act):

- 30 percent of the cost of energy-efficiency improvement
- Limit of \$2,000 for heat pumps and heat pump water heaters
- Other appliances are subject to a \$600-per-item limit.

More info: energystar.gov/about/federal\_tax\_credits

\*\*Locally most relevant for non-3CE customers credits

# Tax Credit Examples: up to 30 percent of cost

#### **Water Heaters:**

- Heat Pump \$2,000 tax credit maximum
- Efficient Natural gas upgrade \$600 tax credit maximum

#### Insulation

\$1,200 tax credit maximum

The overall total limit for an efficiency tax credit in one year is \$3,200

More info: energystar.gov/about/federal\_tax\_credits

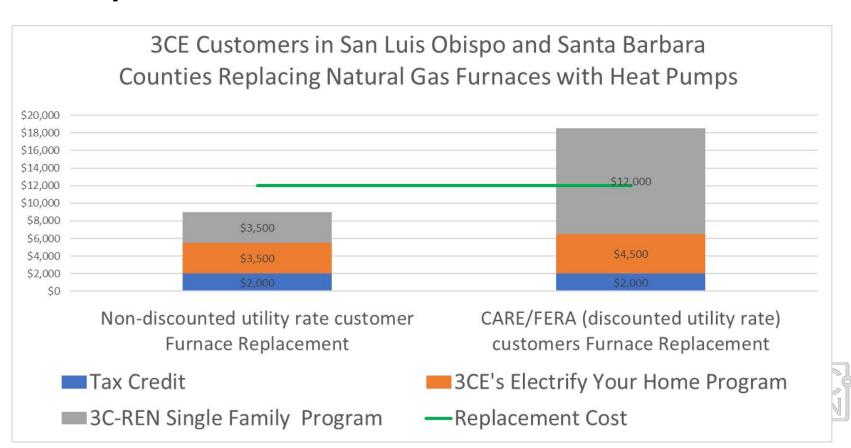
\*\*Locally most relevant for non-3CE customers credits

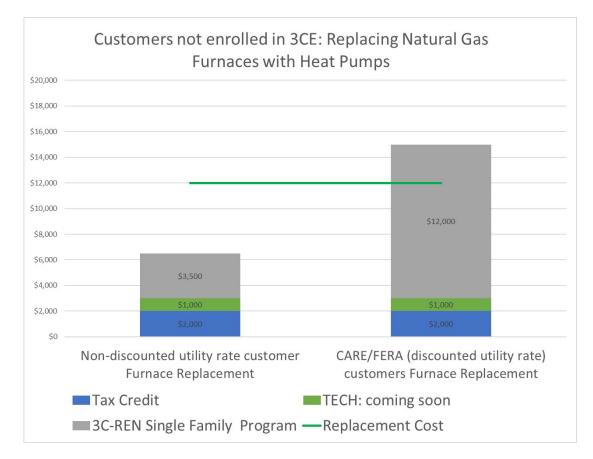
# Access all programs for huge savings!

3C-REN's Single Family Program, 3CE's Electrify Your Home program (OR TECH), and Federal Tax Credits can all be applied to your project.

How?

- Make sure your contractor is enrolled in 3C-REN and 3CE's/TECH programs. If they're not-tell them and ask them to apply!
- Consult your tax professional

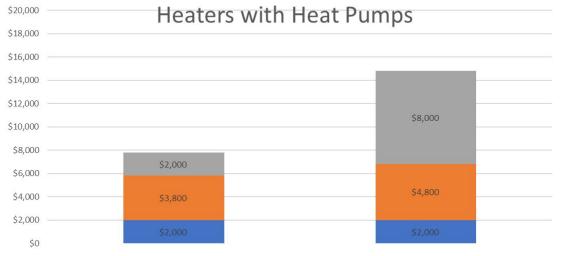






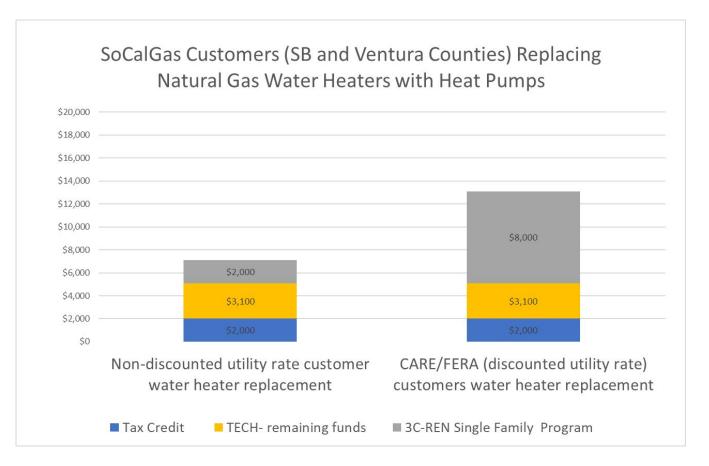
<sup>\*</sup>In Ventura County, residents must live in a designated "Disadvantage Community" and be on the discounted utility rate OR speak a language other than English to access higher incentives

## 3CE Customers in San Luis Obispo and Santa Barbara Counties Replacing Natural Gas Water



Non-discounted utility rate customer CARE/FERA (discounted utility rate) water heater replacement customers water heater replacement

■ Tax Credit ■ 3CE's Electrify Your Home Program ■ 3C-REN Single Family Program



<sup>\*</sup>In Ventura County, residents must live in a designated "Disadvantage Community" and be on the discounted utility rate OR speak a language other than English to access higher incentives

# Check out a DIY Home Energy Savings Toolkit from the County Library!





#### 4 Light-Emitting Diodes (LEDs) bulbs

Replace the standard bulbs in your high-use light fixtures with these energy-saving LEDs.



#### Weatherstripping

Apply weatherstripping around your doors and windows to help seal air gaps. Please return what you don't use.



#### **Outlet Gaskets**

Outlets are a hidden source of heat loss—install these gaskets to seal the gaps!



#### Low-Flow Showerhead

Save water and stay comfortable with this new showerhead.



#### Rubber bands

Wraps around the pliers to help prevent scratching the aerators or showerhead during installation.



#### 2 Low-Flow Faucet Aerators

Install one (1.0gpm) in your bathroom and one (1.5gpm) in your kitchen to help save water. Will fit most faucets (might not fit some specialty ones).



#### Water Leak Detection Dye Tablets

Drop in your toilet tank to identify leaks. (Keep out of reach of children— Do not eat!)



#### Water Flow Rate Bag

Find your true flow with this great rate bag!

### Resources

#### **Connect with a Contractor:**

- 3C-REN Single Family Program
- <u>CCCE Electrify Your Home Program</u>

#### **Other Resources**

- <u>Calculate Financial Impacts of Switching to a Heat Pump</u>
- 3C-REN Webinar: Hear from Local Residents with HVAC Heat Pumps

#### **Learn More:**

The Switch Is On



## Thank you!

For more info: 3C-REN.org

For questions: info@3C-REN.org



TRI-COUNTY REGIONAL ENERGY NETWORK
SAN LUIS OBISPO • SANTA BARBARA • VENTURA



# **Emily Gottlieb**

PROGRAM SPECIALIST ECOLOGY ACTION



























Helping people act now























## **Landing Page**



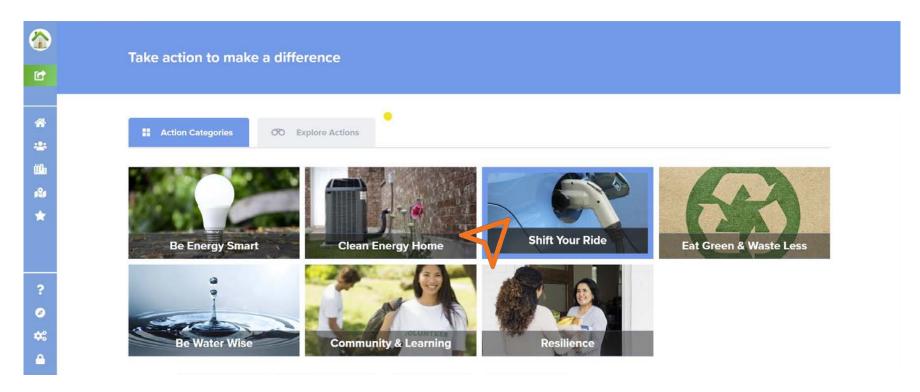
VENTURA I





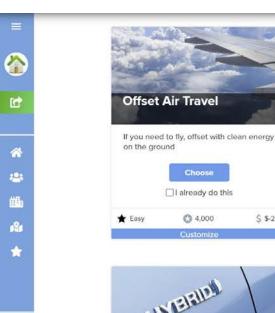
## Action Categories on Local Platform Pages





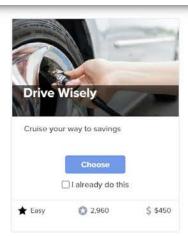
#### Over 100 Climate Solutions

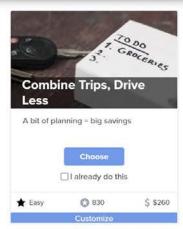


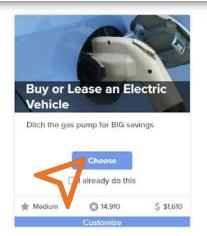


0

¢¢









Choose

4,000

\$ \$-20

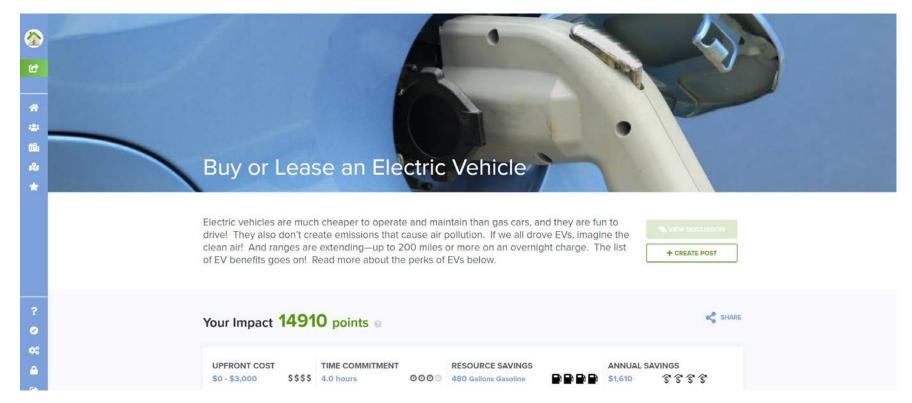






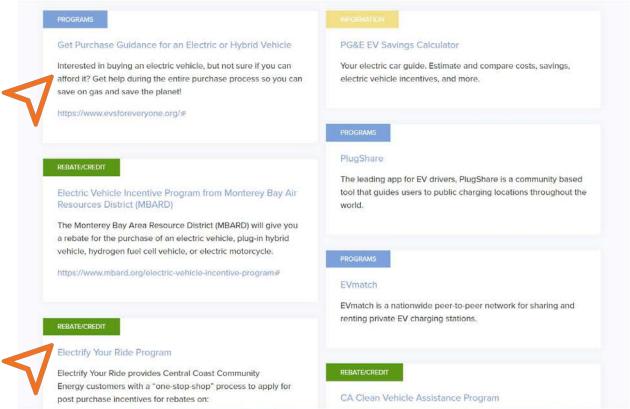
# Cost and Impact











#### 3CE Rebates & Incentives





**REBATES & INCENTIVES** 

RATES

ABOUT CCCE

NEWS

★ HOME > REBATES & INCENTIVES > ELECTRIFY YOUR RIDE - RESIDENTIAL

#### Electrify Your Ride – Residential

Overview Eligibility Rebates Walkthrough Resources Application

#### Overview

The Electrify Your Ride Program provides CCCE customers with a "one-stop-shop" for transportation electrification rebates and support. Rebates are available for electric vehicles, Level 2 EV chargers, and EV readiness (electrical work related to charger installation).

Looking to install charging stations on your multi-family property, such as a duplex, townhome, or apartment complex? Please apply on our Electrify Your Ride Commercial webpage.

#### Why Electrify?

- · Environmental and Health Benefits
  - In full electric mode, an electric vehicle produces zero tailpipe emissions, dramatically lowering smog and greenhouse gas emissions
  - · Cleaner cars mean cleaner air and better health
  - Reducing emissions, getting more EVs on the road and building more charging stations will increase local and regional adoption rates to meet state and regional climate action goals
- Fuel Costs
  - Electric vehicles typically achieve better fuel economy and have lower fuel costs than similar conventional vehicles
- Maintenance Costs
  - Electric motors have far fewer moving parts and never require oil changes, new spark plugs or fuel filters.
     Percentage having also extends the liferance of brake parts the electric motors to decelerate the validation.







## EVs for Everyone/EVs Para Todos





**EXPLORE EVS** 

**FINANCIAL INCENTIVES** 

CHARGING

EVENTS

**ESPAÑOL** 

# **EV Incentives**



Income-qualified applicants can get up to \$14,000 in rebates when buying an EV.

**LEARN ABOUT REBATES** 











# Launching: Resilient Central Coast Campaign Teams







Learn how to become a Resilient Central Coast Team Leader!

# **Community Workshops**

### February 16, 6-7 pm

Creating Climate Resilience with Home Electrification & Energy Efficiency



EVERYDAY
OPPORTUNITIES
FOR LOCAL
CLIMATE ACTION

# COMMUNITY WORKSHOP CALENDAR

Register for workshops & connect with your neighbors taking climate action.

Learn more here...



www.resilientcentralcoast.org



#### **Monthly Topics**

-D

#### Home Energy

Burning fossil fuels for electricity and home heating/cooling is one of the largest sources of greenhouse gas emissions in the U.S. Learn about actions you can take to reduce carbon pollution, save money and improve indoor air quality! Explore programs and incentives for Central Coast residents and connect with community members who want to take climate action together!



#### Shift Your Ride

MAR

Our personal vehicles create 24 pounds of carbon pollution for every gallon of gas. Learn more about the many options to reduce your impact from daily travel. From driving less to public transportation to considering an EV, there are many ways to reduce carbon pollution while saving money!



#### Eat Green & Waste Less

APR

Say goodbye to throwaway society and lighten the waste in your household! Did you know reducing food waste and eating more plant based meals are two important solutions to climate change? Learn simple and easy tips on reducing food waste and creating climate friendly meals.



#### **Community Action**

Small actions have a huge impact when we do them together! Be part of the Community Action Challenge by participating in a neighborhood clean-up, volunteering with a non-profit, or organizing a food drive. Learn what we can do as a community to help fight climate change!



#### Water Wise

JUN

There are many ways to save water, which also saves energy and money! From filling up the dishwasher or washing machine before you run it to replacing your lawn, every action adds up. Lawns are the biggest outdoor water user for many homes. Replacing them with native flowers or dining areas saves money on your water bill and provides a wonderful outdoor environment for your home!

# Sign up and commit to taking one action!



#### Step 1:

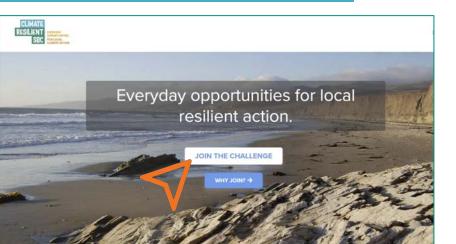
Find your local platform under "Join the Campaign"



www.resilientcentralcoast.org

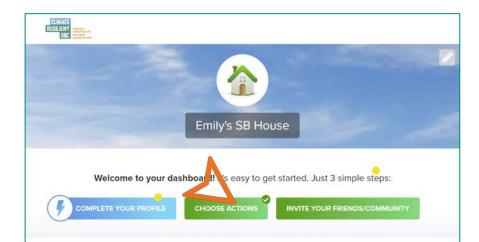
#### Step 2:

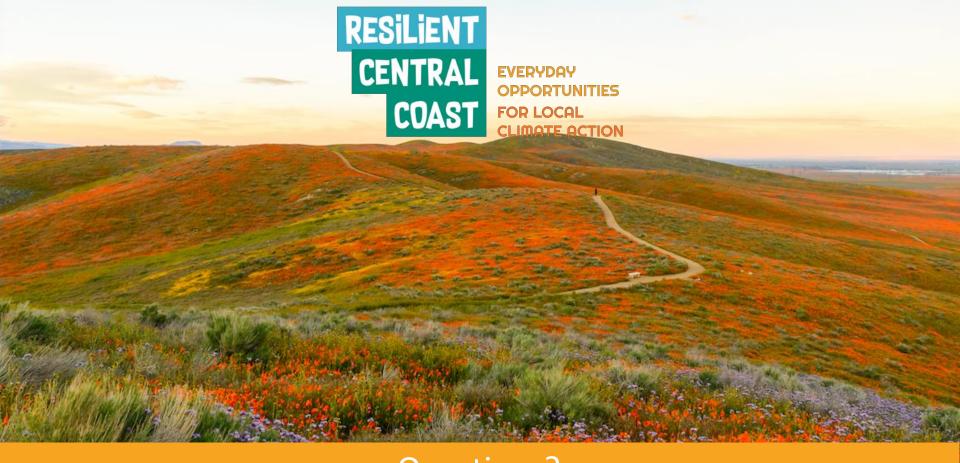
On your local platform, click "Join the Challenge" and create and account



#### Step 3:

Log in and click "Choose Actions" and select one action that you will take this month!





Questions? emily.gottlieb@ecoact.org



## **Q&A TIME**

# Share your questions in the Q&A box



## WE WANT TO HEAR FROM YOU:

# Share in the chat what you found most valuable from today's webinar. What action will you take?

# Thank you to our partners



TRI-COUNTY REGIONAL ENERGY NETWORK

SAN LUIS OBISPO · SANTA BARBARA · VENTURA



# Thank you to our sponsors









## **50 YEARS OF PROVEN RESULTS**

2022 Congressional Woman of the Year

**CEO SIGRID WRIGHT** 



2020 CITY OF SANTA BARBARA CLIMATE HERO



Highest possible ratings for financial health, accountability and transparency from the two largest independent nonprofit watchdogs:

**Guidestar and Charity Navigator.** 







We believe that, together, we can reverse climate change, repair the damage, and protect local communities from extreme weather effects.

Join Us.



Text **CEC** to **801801** 



# Upcoming Events



# Climate ARTivism: Creative Action for Justice

Thursday, February 23, 4 - 6pm



# Prescribed Grazing for Ecological and Wildfire Resilience

Wednesday, March 22, 12 - 1:30pm



# Santa Barbara Earth Day Festival 2023

Saturday, April 29, 11am - 7pm Sunday, April 30, 11am - 6pm



Let's continue the conversation

# Michael Chiacos mchiacos@cecmail.org

April Price aprice@countyofsb.org

Emily Gottlieb emily.gottlieb@ecoact.org



# Thank You

# Get the latest updates in your pocket

- Facebook /cecsb
- Twitter @cecsb
- o lnstagram @cec\_sb
- **▶ Youtube** /CECSB
- in LinkedIn /company/cecsb



Sign up for our newsletter