

We will be starting soon!



Thanks for joining us



Renters' Guide to Creating an Energy Efficient Home

Naomi Newman- CivicSpark Fellow, County of Santa Barbara
Itzel Torres- Sustainability Program Specialist, County of Ventura

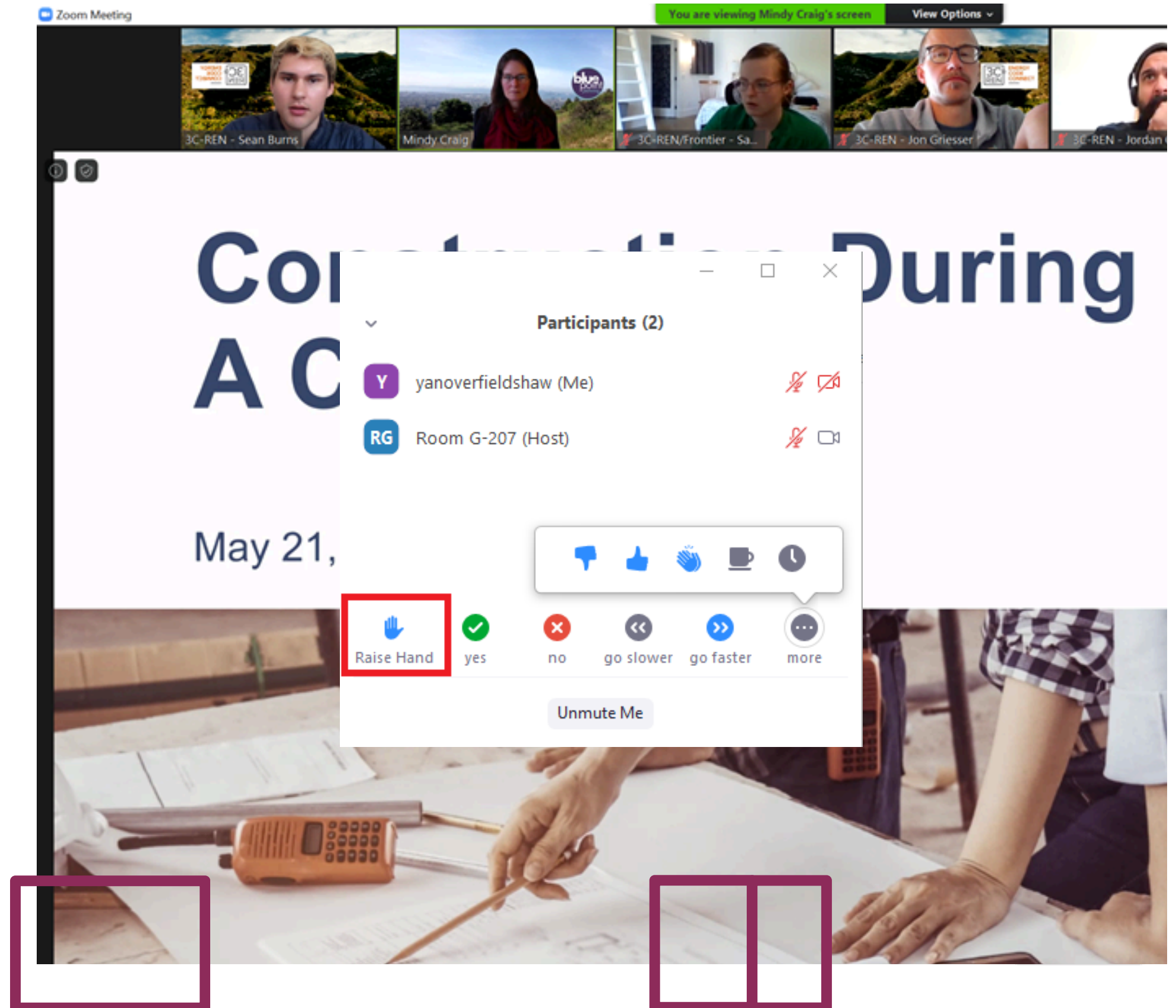


July 16th, 2024, 12-1PM



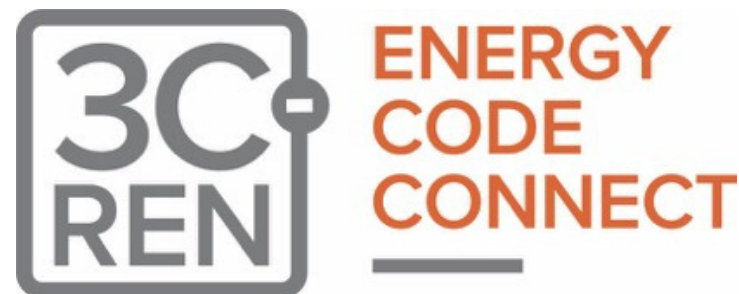
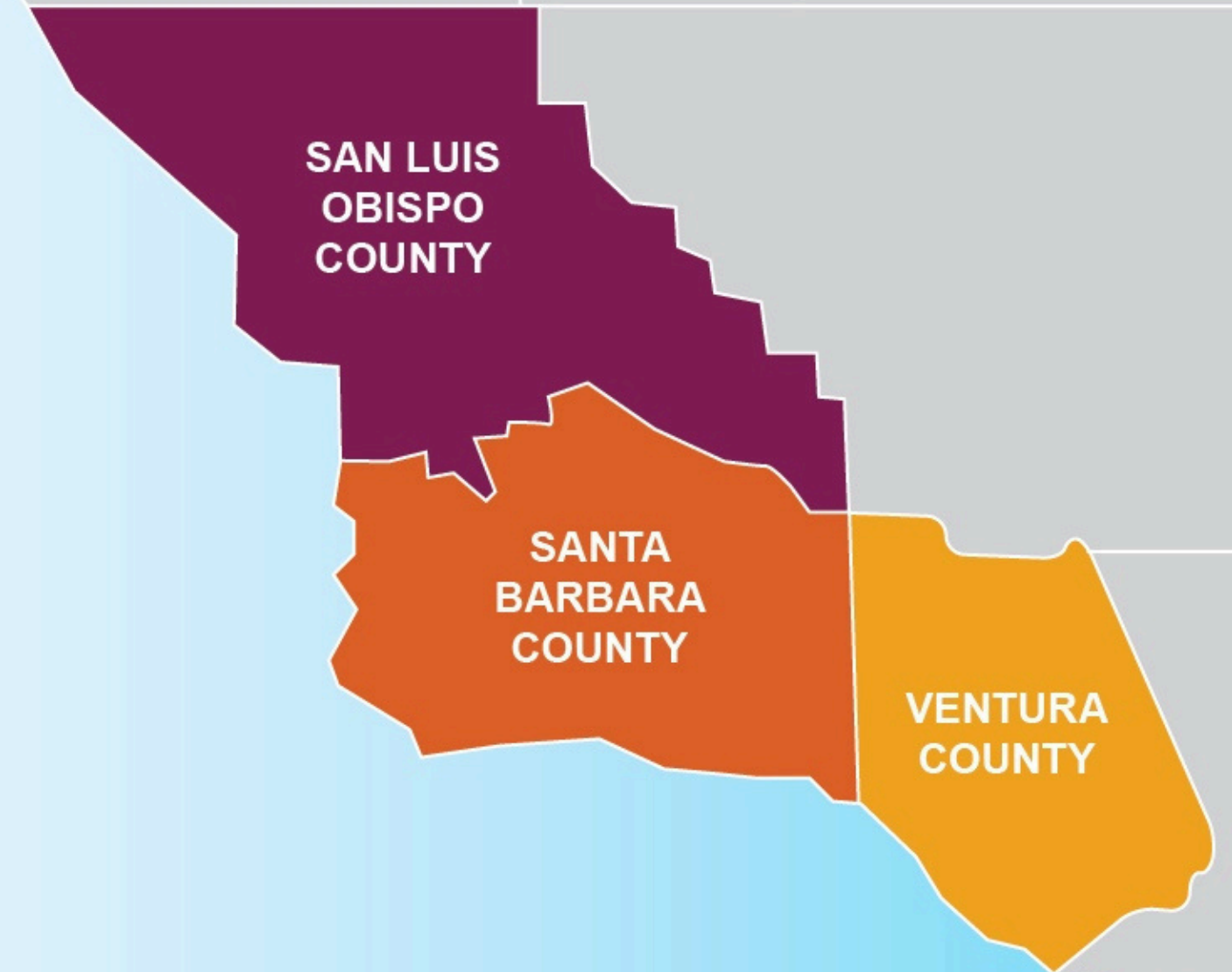
Zoom Orientation

- Please be sure your full name is displayed
- Please **mute** upon joining
- Use "**Chat**" box to share questions or comments
- Under "**Participant**" select "**Raise Hand**" to share a question or comment verbally
- The session may be **recorded** and posted to 3C-REN's on-demand page. Feel free to ask questions via the chat and keep video off if you want to remain anonymous in the recording.



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:** free and discounted home upgrades
- Funded by ratepayer dollars that 3C-REN returns to the region



Agenda

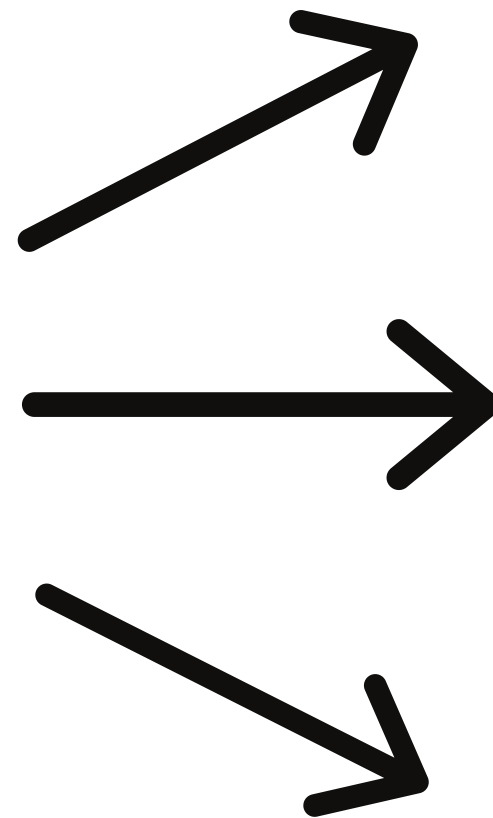
- Why are we Discussing Energy Efficiency and Electrification?
- Strategies to Reduce Energy Use
- Electrification and Green Energy
- 3C-REN DIY Energy Saving Toolkits and Induction Cooktops
- Resilient Central Coast Platform for Renters



Why are We Discussing Energy Efficiency and Electrification?



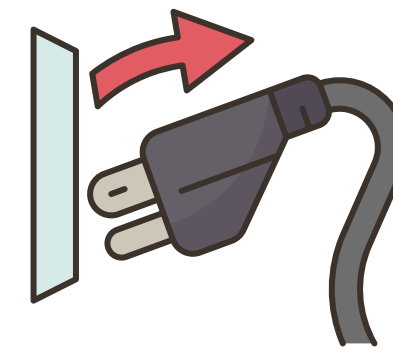
Save money and create a healthier, more comfortable home by



Reducing Gas Use



Reducing Hot Water Use



Reducing Energy Use





Strategies to Reduce Energy Usage

Conduct a DIY Home Energy Audit



A home energy audit can help you determine how much energy you are using and where your home is wasting energy

[Energy.Gov Guide to DIY Home Energy Audits](#)



Keep Heat and Cold Out!

- Install solar window tinting or screens
- Add weatherstripping to your windows
- Keep windows closed during the heat of the day
- Invest in curtains
- Use rugs as insulation



Reduce Heating and Cooling Energy Use

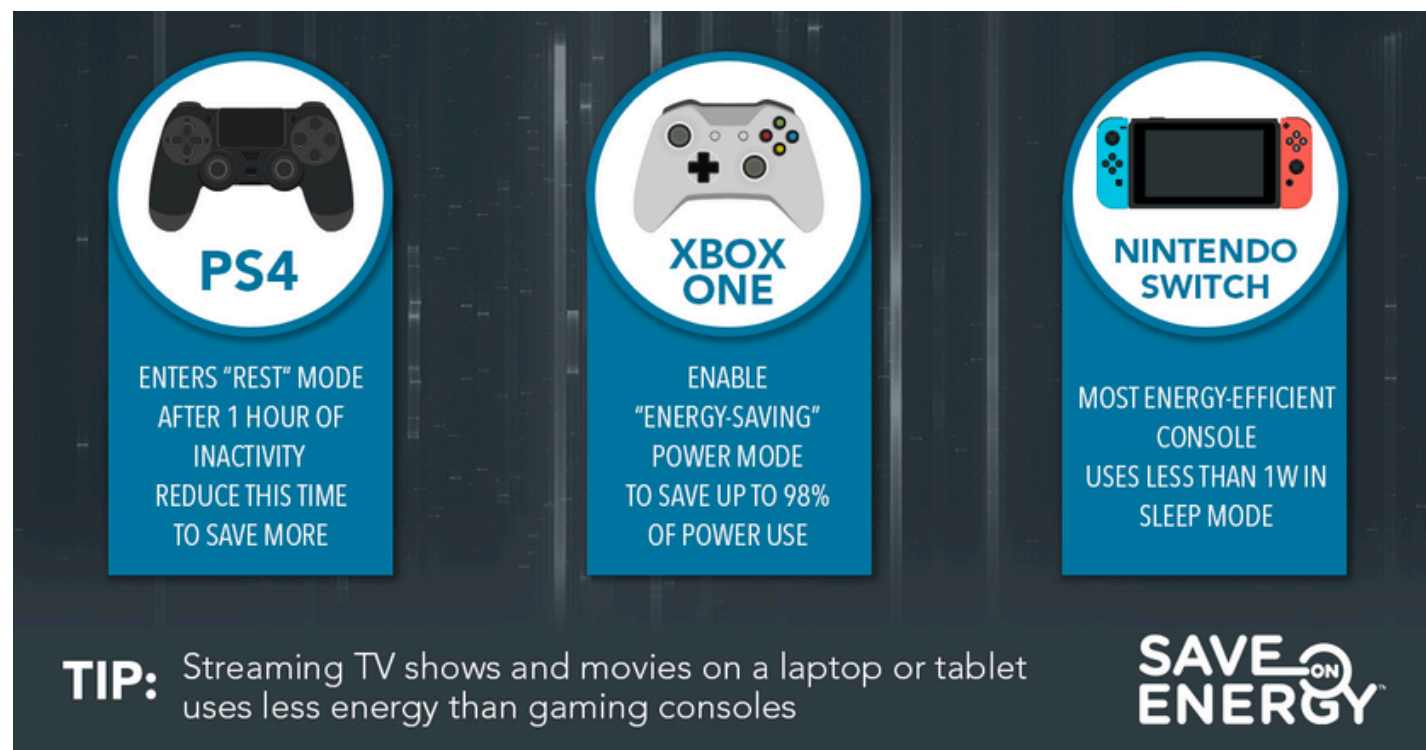
- Change your thermostat temperature (68° in winter and 78° in summer)
- Check with your landlord to see if they can approve the installation of a smart thermostat *Check for rebates in your area*
- Replace your air filter ~3 months if you have AC
- Ensure there is nothing blocking vents and radiators



Avoid Energy Vampires

- Plugged in devices use energy even when turned off
- When possible, unplug large electronics when not using them
- Check for energy saving options “sleep mode” options for electronics
- Use smart plugs or power strips with timers to help manage use

Phantom power can add up to 10% of a homes energy uage



PS4
ENTERS "REST" MODE AFTER 1 HOUR OF INACTIVITY
REDUCE THIS TIME TO SAVE MORE

XBOX ONE
ENABLE "ENERGY-SAVING" POWER MODE TO SAVE UP TO 98% OF POWER USE

NINTENDO SWITCH
MOST ENERGY-EFFICIENT CONSOLE
USES LESS THAN 1W IN SLEEP MODE

TIP: Streaming TV shows and movies on a laptop or tablet uses less energy than gaming consoles

SAVE ON ENERGY



Use Energy Efficiently

- Run full loads in the dishwasher, washer, and dryer
 - If you wash with cold water, even better!
- Change to LED lightbulbs
 - LEDs are up to 70% more efficient than regular incandescent bulbs

DID YOU KNOW?



Lighting can account for 22% of a home's electricity use

Incandescent



CFL



LED



Reduce Hot Water Usage

- Install aerators in your faucets
- Install a low-flow showerhead
- Take shorter showers
- Check for leaks!

DID YOU KNOW?

Check the temperature of your water heater! With every 10°F reduction in temperature, you can save from 3%–5% on your water heating costs



Questions?



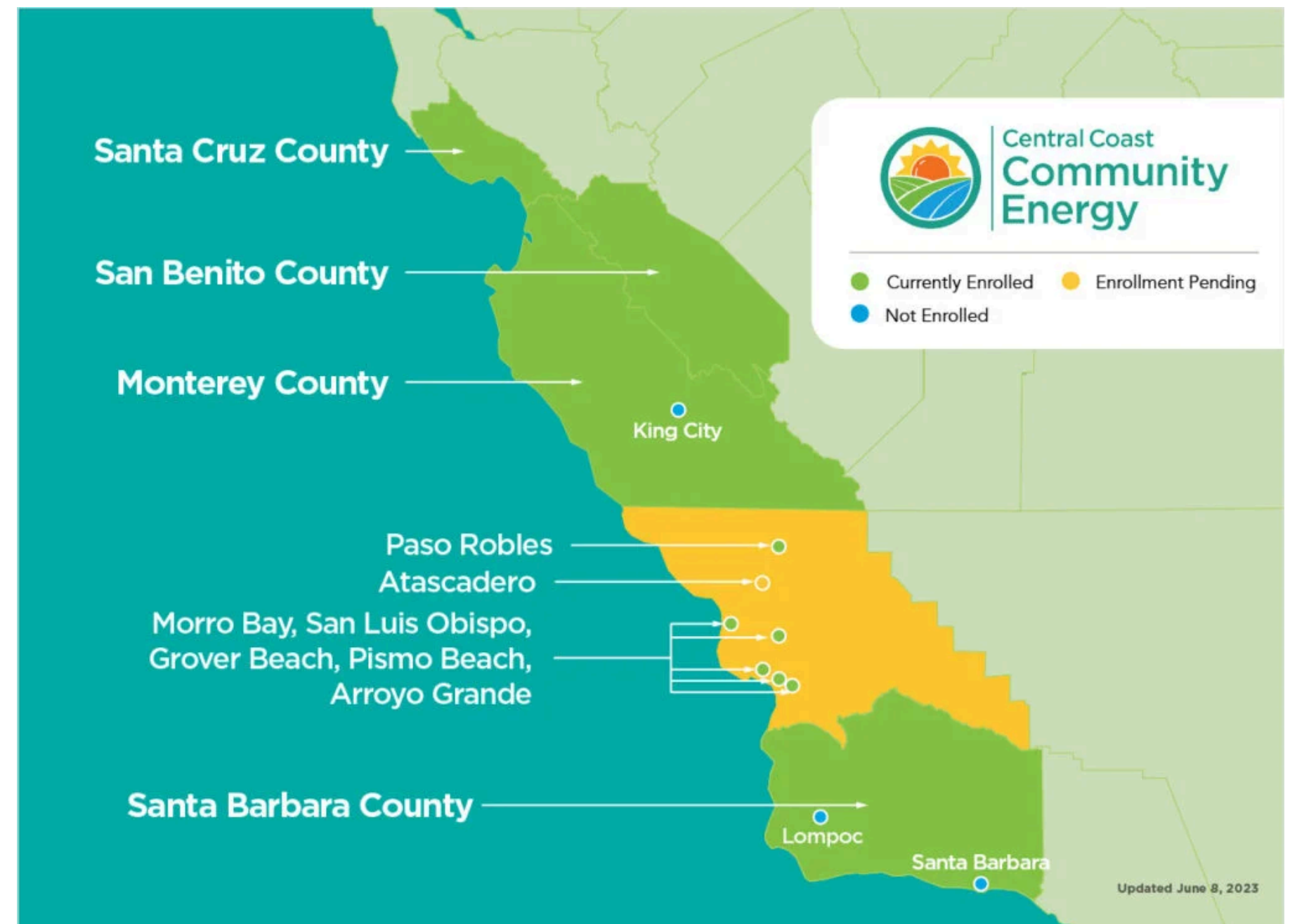


Electrification and Green Energy

Try 100% Renewable Energy Electricity Rates

Community Choice Energy

- Get cleaner electricity to local homes and provide greater local control over how that electricity is sourced.
- Programs procure cleaner power and work in partnership with Pacific Gas & Electric (PG&E) and Southern California Edison (SCE), which are still responsible for billing, transmission, and distribution of energy.



Try 100% Renewable Energy Rates- Continued

Your Local Community Choice Energy Program

Santa Barbara County-> [Central Coast Community Energy](#).

- “3C Prime”- 100% Renewable Energy

The City of Santa Barbara-> [SB Clean Energy](#).

- “100% Green”

Ventura County-> [Clean Power Alliance](#)

- “100% Green Power”

San Luis Obispo County-> [Central Coast Community Energy](#).

- “3C Prime”- 100% Renewable Energy



Visit your local CCE's website to change rates

How It Works

It takes a few steps to complete and just minutes of your time.

- 1 Complete the Account Information form.
- 2 Select the account you wish to enroll.
- 3 Read and accept our terms and conditions.
- 4 And that's it. You're done!

Note: You can cancel anytime during the enrollment process or opt down at a later date.

Enter Your Account Information

[View Sample SCE Bill Information](#)

SCE Account Number* ?
000000000000

Your Last Name or Business Name* ?
Enter Last Name or Business Name

Service Location ZIP Code*
Enter ZIP Code as it appears on your SCE

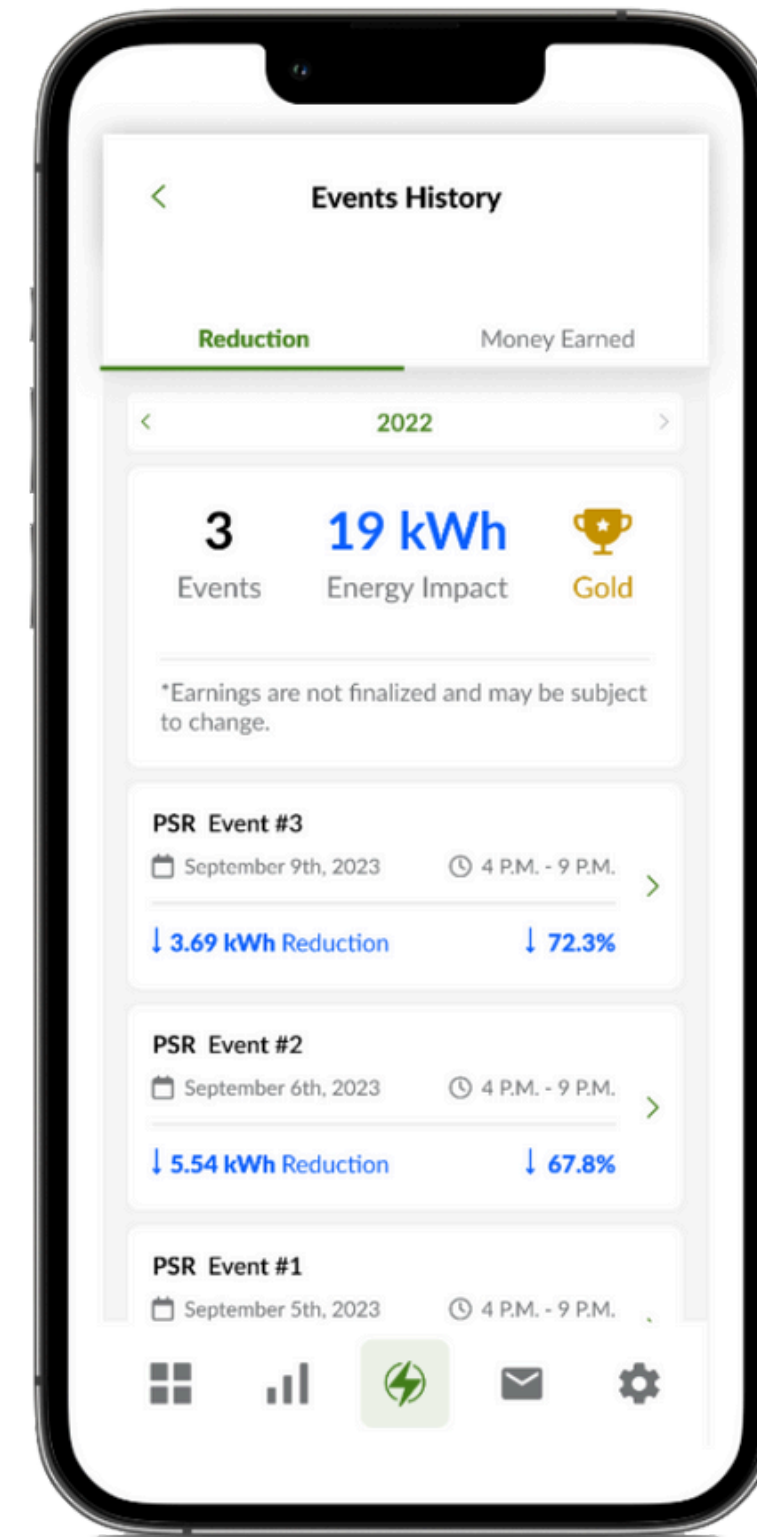
NEXT

* indicates required field

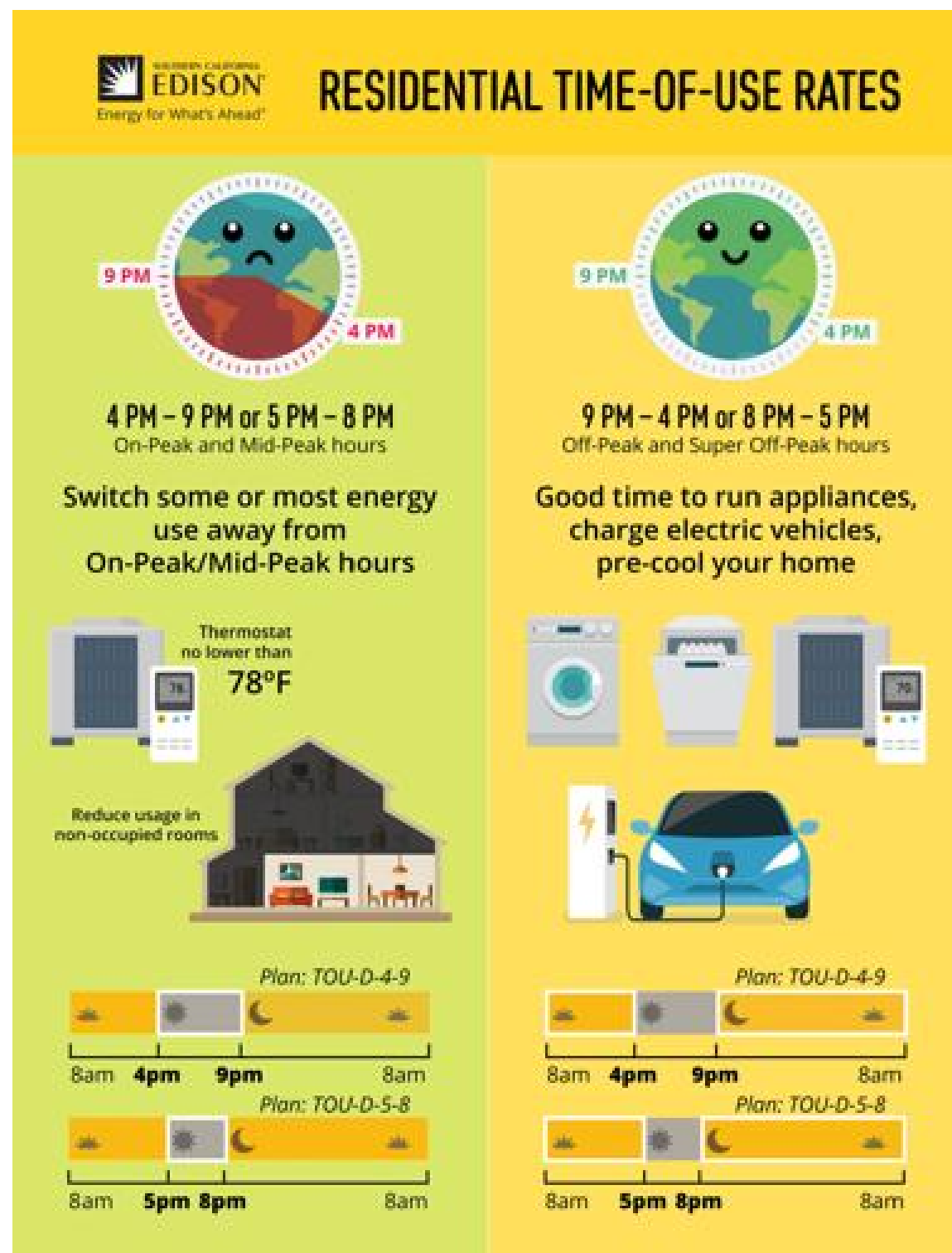


Demand Response Programs

- Save you money and energy while lowering energy demand on the grid
- Voluntary Plans
 - Receive a notification to adjust your thermostat to receive credit
- Automatic Plans
 - Utility automatically adjusts
- Can save up to \$160 each summer
- SCE Demand Response Program
- PG&E Demand Response Program
- Clean Power Alliance Demand Response Program



Timing of Energy Use



An easy way to save on your electricity bill is to avoid peak-hour usage

- Avoid early evening from 4-9 PM
 - Use more energy when renewable energy production is high
 - Check out Time of Use plans (TOU) if you are able to be flexible with your energy usage
-
- SCE TOU Rate Plans
 - PG&E TOU Rate Plans



Portable Heat Pumps for Heating and Cooling



- Plugs into a 120V outlet
- Lower operating costs than traditional window units
- Over the window or portable units
- Easy to install- no contractors,
- Brands:
 - Gradient Comfort
 - Frigidaire
 - Midea



Portable Heat Pump Comparison

	PRICE/Home Depot	Heat Cool BTU/h	Vent Hoses	Drain Pump	Drain Hose	Swing Fan	Window Kit	Good Manual
Whynter ARC-122DHP	\$500	10K	2	1	1	1	1	1
Frigidaire FHPH142AC1	\$530	11K	1	1	1	1	1	1
Whynter ARC-14SH	\$530	13K	2	1	1	1	1	1
Black and Decker BPACT10HWTP	\$550	11.5K	1	1	1	1	1	1
LG LP1021BHSM	\$565	12K	1	1	1	1	1	1
GE APSA13YBMW	\$630	11K	1	1	1	1	1	1
Honeywell MN4HFS9	\$630	11K	1	1	1	1	1	1
Midea/Toshiba* MAP14HS1TBL	\$650	12K	2	1	1	1	1	1

*Inverter driven – highest energy efficiency

Source: Electrify Your Life [Guide to Portable Heat Pumps](#)



Electric Kitchen Appliances

- Avoid using your oven or gas range for small meals or side dishes to save on energy costs

Appliance Energy Use

Electric Oven	2.3 KWH
Microwave	1.44 KWH
Toaster Oven	.75 KWH
Portable Induction (Small)	1.45 KWH
Air Fryer	1.5 KWH

Source: [Silicon Valley Power](#), Manufacturer Data



Introduce Your Landlord to Home Energy Saving Incentive Programs

- Is your landlord interested in making larger changes to save money and energy?
- Introduce them to regional and statewide programs that reduce the price of equipment

[Guide to talking to your landlord about electrification projects](#)



3C-REN Concierge Program



(805)-881-3877



JLares@cecmail.org

Questions?



DIY Energy Toolkits and Induction Cooktops

What is the DIY Home Energy Savings Kit?

- The **Do-It-Yourself Home Energy Savings Kit** is an energy efficiency tool produced through 3C-REN's Home Energy Savings Program.
- The toolkit provides **tools, supplies, and information** to the patrons to reduce their household energy and water use.
- These kits are distributed by 3C-REN to participating Library locations throughout **Ventura, Santa Barbara, and San Luis Obispo counties.**
- Members of the public can check out a toolkit at their local Library, use the materials at home, and return the Toolkit back to the Library to be refilled and checked again.

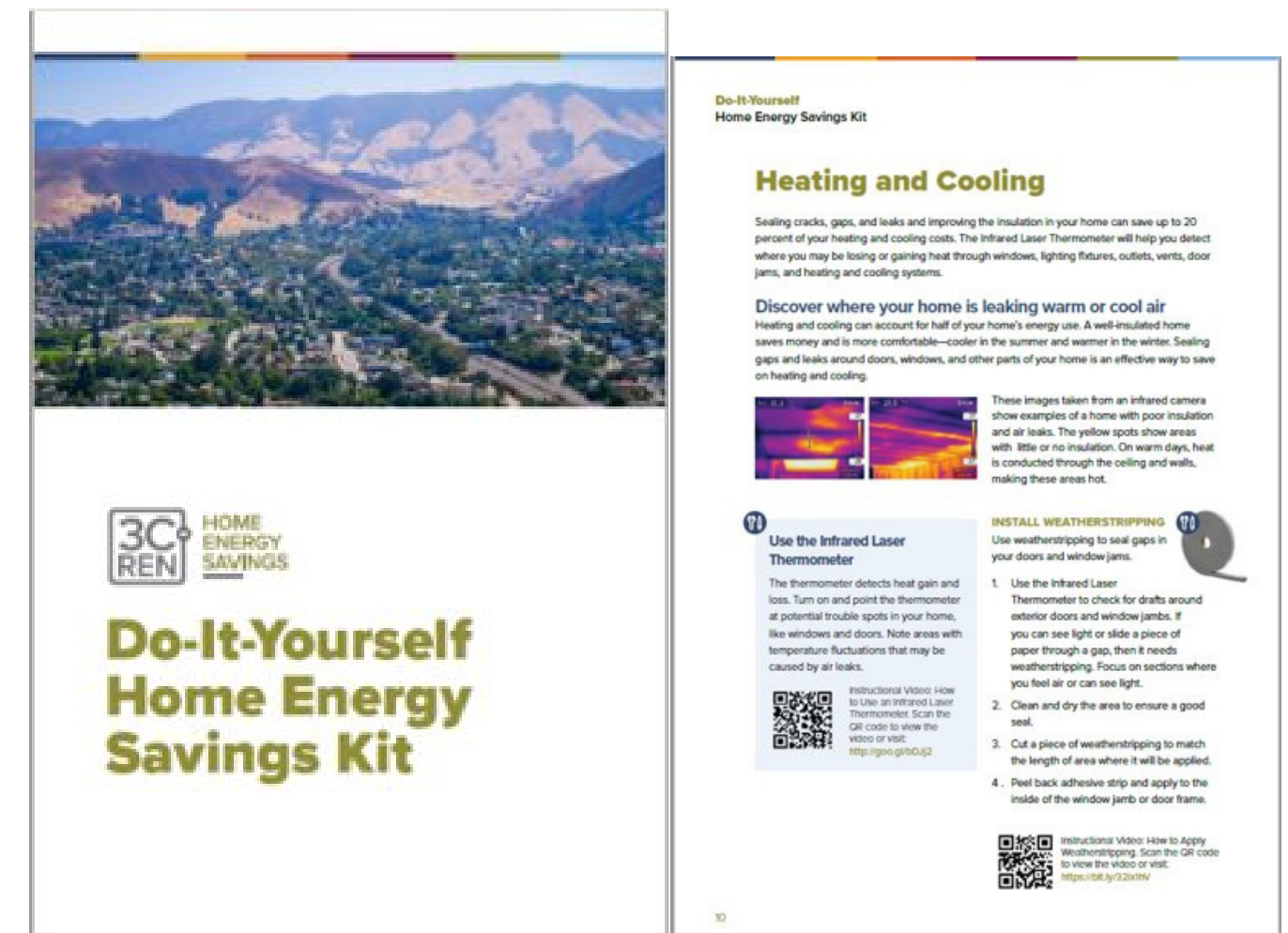


What is in Each Toolkit?



Guidebook

- An English/Spanish guidebook is included in each toolkit
- The Guidebook provides:
 - Information on included tools and supplies
 - Instructions for use
 - Tips to reduce energy and water use
 - How to access other 3C-REN programs



Toolkit Contents: Stuff to Keep

- “Stuff to Keep” are items patrons can take from the toolkit and install in their homes



Stuff to Keep: Energy-Saving Equipment



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!



Weatherstripping Foam Tape

- Heat/air circulation can easily be lost to the outside environment
- Windows and doors are common places of heat loss
- Improving the insulation of your home can save you up to 20% of heating/cooling costs



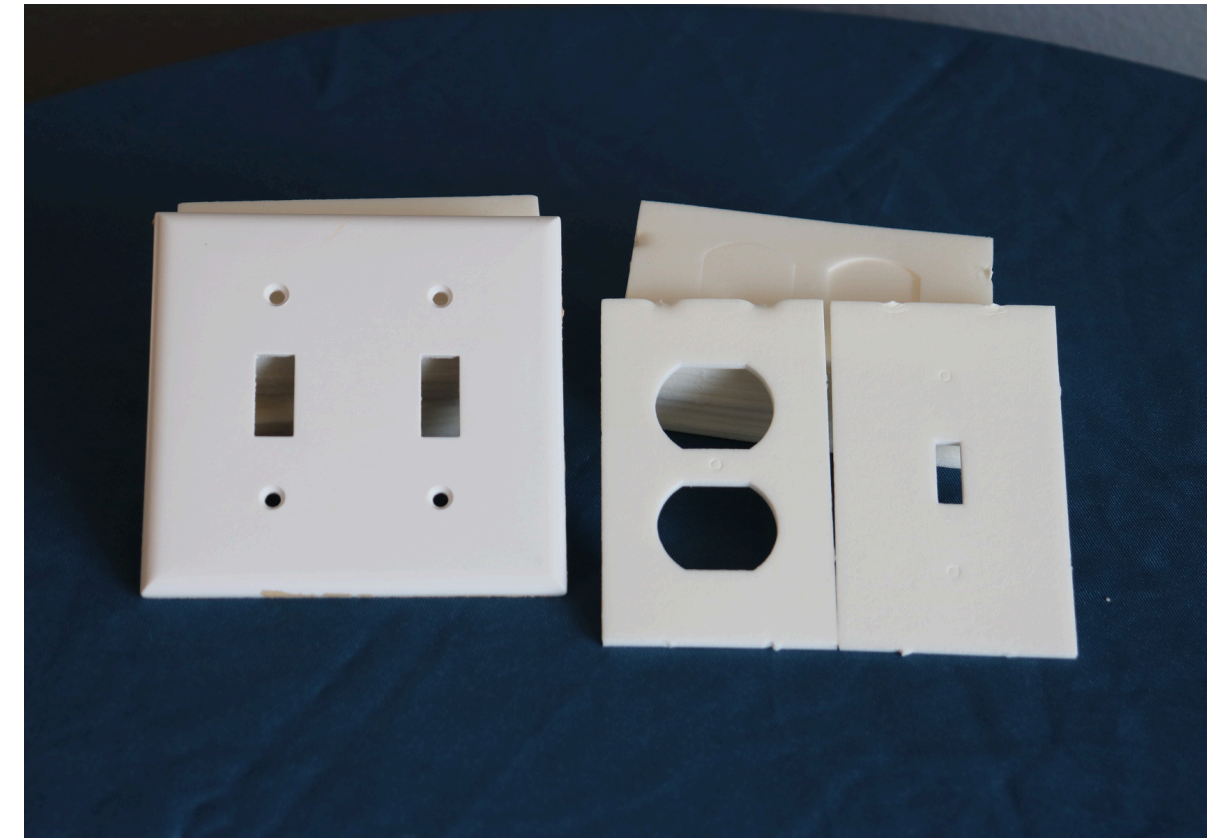
Where else can you use the foam tape?



- Left: Heater closet needs to be airtight
- Right: Access door to the attic (can find in the hallways/room's closet)
 - Prevent dust/debris flow and air circulation from the attic

Outlet Gaskets

- Reduce infiltration
- Prevent air leaks that can result from poor wall insulation
- Save money and energy to make sure that air/heat is not being lost to other factors



Toolkit Contents: Stuff to Bring Back

- “Stuff to Bring Back” are tools patrons will need to return to the Library
- Each toolkit contains one of each of these tools
- All toolkit contents are listed in the Guidebook (pg.5)



Kill-A-Watt® Meter

This tool measures how much energy your appliances and equipment use.



Infrared Laser Thermometer

This tool finds heat loss in trouble spots like windows, vents, and door jams.



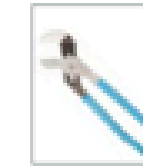
Refrigerator Thermometer

This tool lets you check the temperature of your refrigerator and freezer.



Thermometer

Checks the temperature of your hot water supply.



Pliers

Use these pliers to replace old showerheads and faucet aerators.



Pipe Thread Seal Tape (plumber's tape)

This tape prevents leaks in your faucets and showerheads. Use what you need and return the rest.

Thermometer

- Heating water accounts for up to 50% of natural gas use in a home
- Check temperature of hot water supply (set at 120°)
 - 140°/above can cause severe burns
 - a 10°F reduction in temperature is associated with about 3-5% savings in energy.



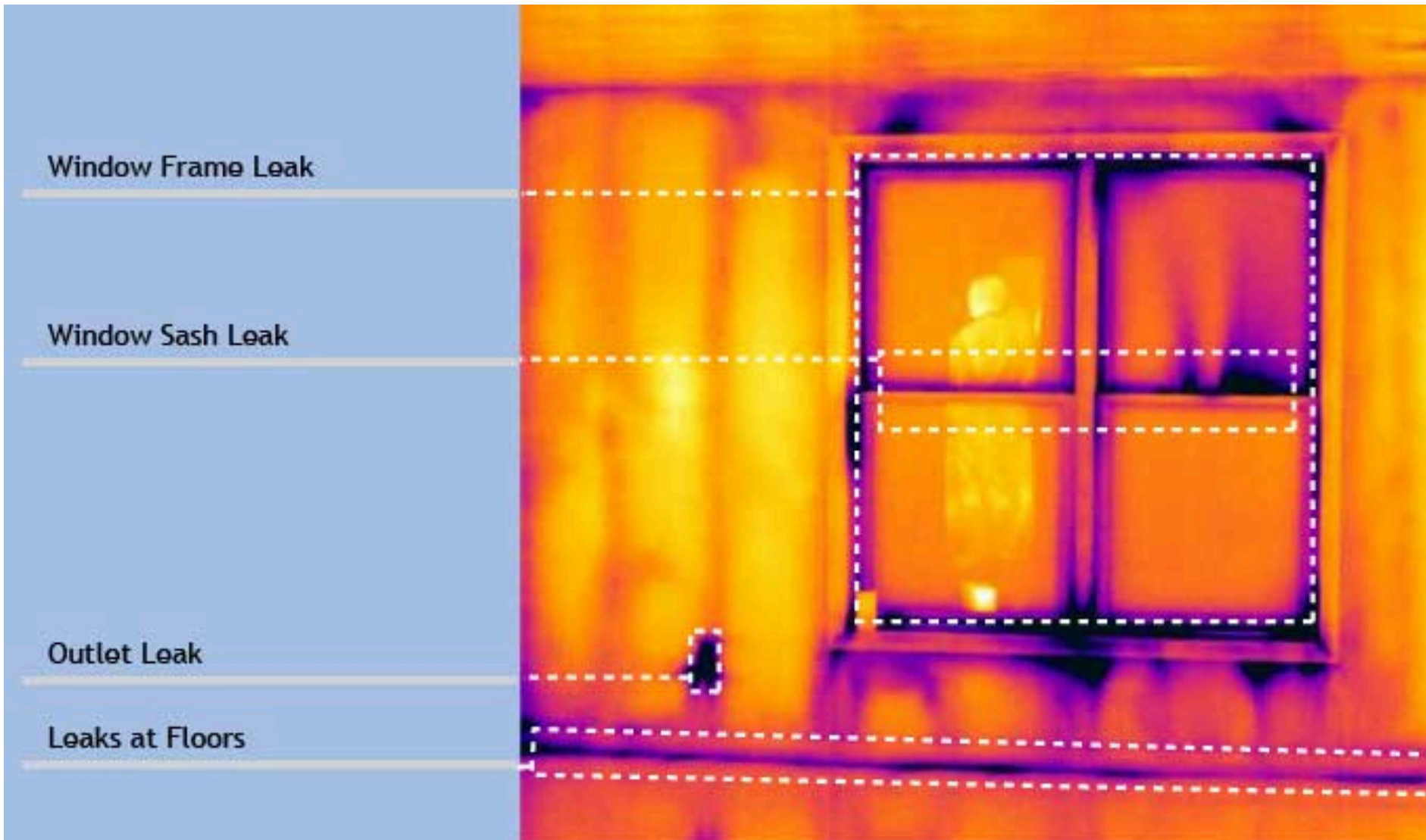
Refrigerator and Freezer Thermometer



- Check that your fridge and freezer are set to the optimum temperatures
- **Target range:**
 - 36-40°F for refrigerator
 - 0-5°F for freezer



Infrared Laser Thermometer



- Detects heat gain and loss in areas that have poor insulation.
- Note the temperature differences- that is energy not being used efficiently for your home needs!
- A comfortable home is well insulated- cool in summer, warm in winter.



Use Toolkit Items to Decrease Heat Loss



Induction Cooktop

- The Induction Cooktop is an energy efficiency tool provided through a partnership between 3C-REN and **participating Santa Barbara and Ventura County Libraries**.
 - Carpinteria, Goleta, Buellton, Solvang, Santa Maria, Orcutt, Guadalupe
- Included are supplies to get started
- Residents can check out the cooktop at their local library, use the materials at home to test a variety of recipes, and when finished, return the cooktop back to the library



Induction Cooktop Kits



- Performs induction cooking by creating heat through magnets.
- Up to 80% more energy efficient compared to traditional ranges.
- Safer and healthier for homes.
- Water can boil in less than 1 minute!



Cooktop Contents

“Stuff to Bring Back” items listed by quantity:

- 1 Induction Cooktop
- 1 Pan with Lid
- 1 3C-REN Tote Bag
- 2 Information Flyers (1 copy for English and Spanish)
- 1 Cleaning Sheet (English and Spanish)



“Stuff to Keep” items listed by quantity:

- 1 Magnet



- Learn about energy saving strategies and simple upgrades that can be installed in homes and apartments, while minimizing emissions and utility bills for local residents.
- Home electrical consumption increases from using more energy to power lighting, stand by modes or old appliances.
- Heating water accounts for up to 50% of natural gas use in a home.
- Improving the insulation of your home can save up to 20% of heating/cooling costs.
- Reduce water waste in a state that experiences yearly droughts and wildfires.
 - A running toilet can waste as much as 200 gallons of water per day!



Find Yours Today

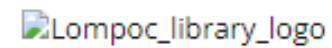
Cooktops and Toolkits are offered through the libraries below. You can check on availability or reserve directly through these libraries:

[How to reserve using your local library's online catalogue](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



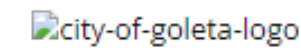
[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)



[Home Energy Savings Toolkit](#)

[Induction Cooktop Toolkit](#)

Check One Out Today!



Questions?





Resilient Central Coast Platform



An aerial, halftone-style photograph of a coastline. The image shows a large body of water on the left, a sandy beach, and a rocky shoreline on the right. The background features a range of mountains or hills. The overall tone is blue and grey, with a grainy, dotted texture.

RESILIENT

CENTRAL

COAST

**EVERYDAY
OPPORTUNITIES
FOR LOCAL
CLIMATE ACTION**

Join the Campaign

Select your county to connect with your local platform:

MONTEREY

SAN BENITO

SAN LUIS OBISPO

SANTA BARBARA

SANTA CRUZ

VENTURA



Don't see your county listed? [Click here.](#)



RESILIENT CENTRAL COAST

EVERYDAY
OPPORTUNITIES
FOR LOCAL
CLIMATE ACTION

Why visit Resilient Central Coast?

1. Access resources to help you make the changes you want to make.
2. Learn how to become more climate resilient.
3. Join your neighbors to create a healthier and more sustainable future.
4. Renter filter- find renter friendly actions!

ResilientCentralCoast.org



Lets Explore Resilient Central Coast Renter Friendly Actions!

Actions



Questions?





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