

# 3C-REN Multifamily Home Energy Savings Program Info Session



October 20, 2022



# Zoom Orientation

- Please **"Mute"** yourself upon joining.
- Under **"Reactions"** select **"Raise Hand"** to ask a question or comment verbally.
- Use the **"Chat"** to share questions.
- This webinar will be recorded.



Mute ↗

↖ Video

↖ Chat

↖ Reactions

# Agenda

- Overview of 3C-REN
- Multifamily Home Energy Savings Program
- Example Upgrades
- Q&A and Discussion



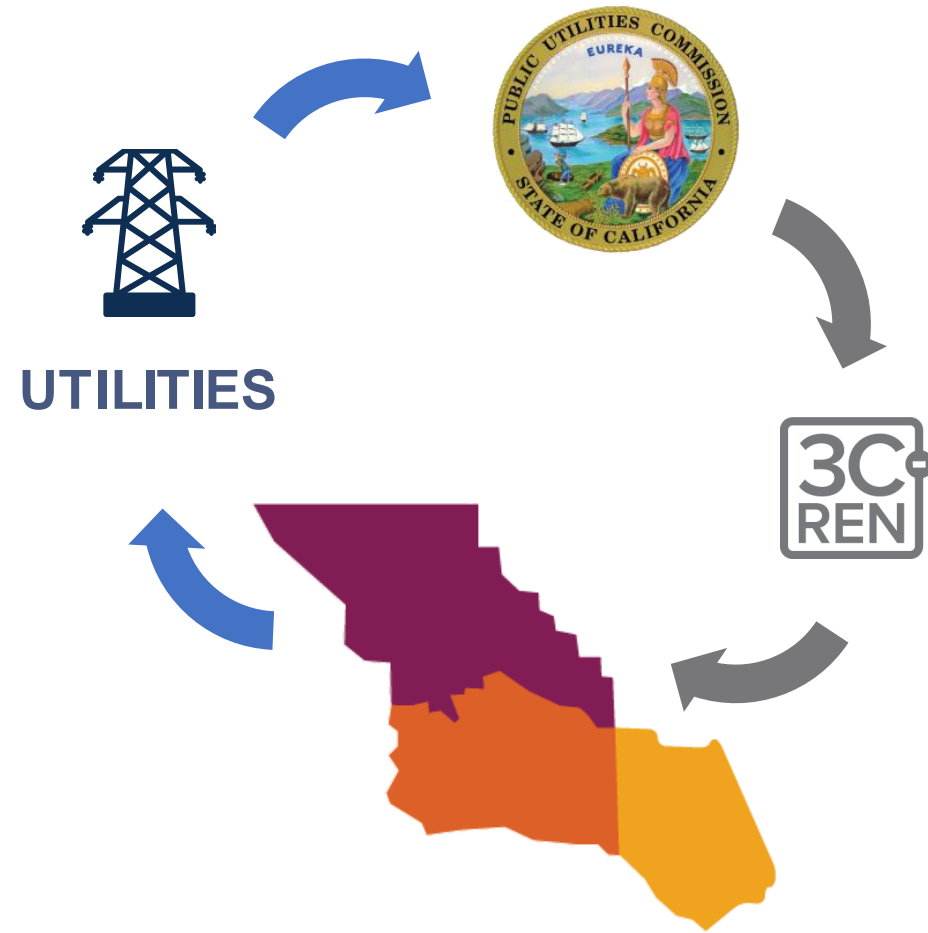
# Organizational Structure

- The Tri-County Regional Energy Network (3C-REN) is a collaboration and joint venture among the Counties of Ventura, Santa Barbara, and San Luis Obispo to design and administer the delivery of a portfolio of regional customized energy efficiency programs



# Bringing ratepayer dollars back to our communities

- Investing in local communities
- Strengthening our economy
- Building a robust workforce
- Creating a market for energy efficiency



# Overview of the Tri-County Multifamily Housing Market

- There are 82,178 multifamily units in the Tri-County region.
- Over half of these units were constructed prior to 1979.
- In each county, 90-93% of multifamily units are renter-occupied.
- Approximately 21% of renters earn less than \$50,000 annually.
- Statewide energy burden for low-income multifamily households is significant.





# Multifamily Home Energy Savings Program





# Property Eligibility

- Located in the counties of San Luis Obispo, Santa Barbara, or Ventura
- Existing Multifamily property with 5 or more residential dwelling units
- Utility service from PG&E, SCE, or SoCalGas





# Whole Building Base Rebates

- \$1,500\* per apartment unit for Underserved Properties
- \$1,000 per apartment unit for General Market Properties
- An underserved property meets one of the following criteria:
  - Contain less than 100 units
  - Affordable housing
  - Located in an AB 1550 Low Income Community or SB 535 Disadvantaged Community
- Qualified projects include 3+ measures and save over 0.25 MT of CO<sub>2</sub>e per unit



\*Rebate amounts double through December 31, 2022. Normal amounts are \$500 and \$750 per apartment unit



# Measure level rebates are available if the project qualifies for the base rebate

Additive Measure Rebates	Rebate
<b>In-unit Measures</b>	
In-unit Heat Pump Water Heater	\$1,000 per item
In-unit Heat Pump HVAC	\$1,000 per item
In-unit Heat Pump Clothes Dryer	\$250 per item
In-unit Induction Cooktop	\$350 per item
<b>Central System Measures</b>	
Central Heat Pump Water Heater	\$800 per apt served*
Central Heat Pump HVAC	\$800 per apt served
<b>Common Area Measures</b>	
Common Area Heat Pump HVAC	\$1,000
Laundry/Common Area HP Water Heater	\$1,000
Heat Pump Pool Heater	\$1,500

\*Project cap of \$100,000 for Central HPWH systems



# Measures

- Central and in-unit domestic hot water systems
- Heating, ventilation, and cooling systems
- Lighting and appliances
- Air sealing, windows, and insulation



# Project Example for 20-unit property

## Scope of Work

- Central Heat Pump Water Heater
- Controls for Hot Water Recirculation
- Pipe Insulation
- Split Heat Pump HVAC System
- LED Lighting

## 3C-REN Rebates

Whole Building Base Rebate:

- 20 units x \$1,500 = \$30,000

Adder rebates:

- Split Heat Pump HVAC System:
  - 20 items \* \$1,000/item = \$20,000
- Central Heat Pump Water Heating System
  - 20 units \* \$800/unit = \$16,000

---

**Total: \$66,000**





# No-Cost Technical Assistance

- Energy bill analysis
- In-person site assessment
- Scope of Work Development
- Support during the contracting and implementation of measures
- One-stop-shop to connect with other program rebates

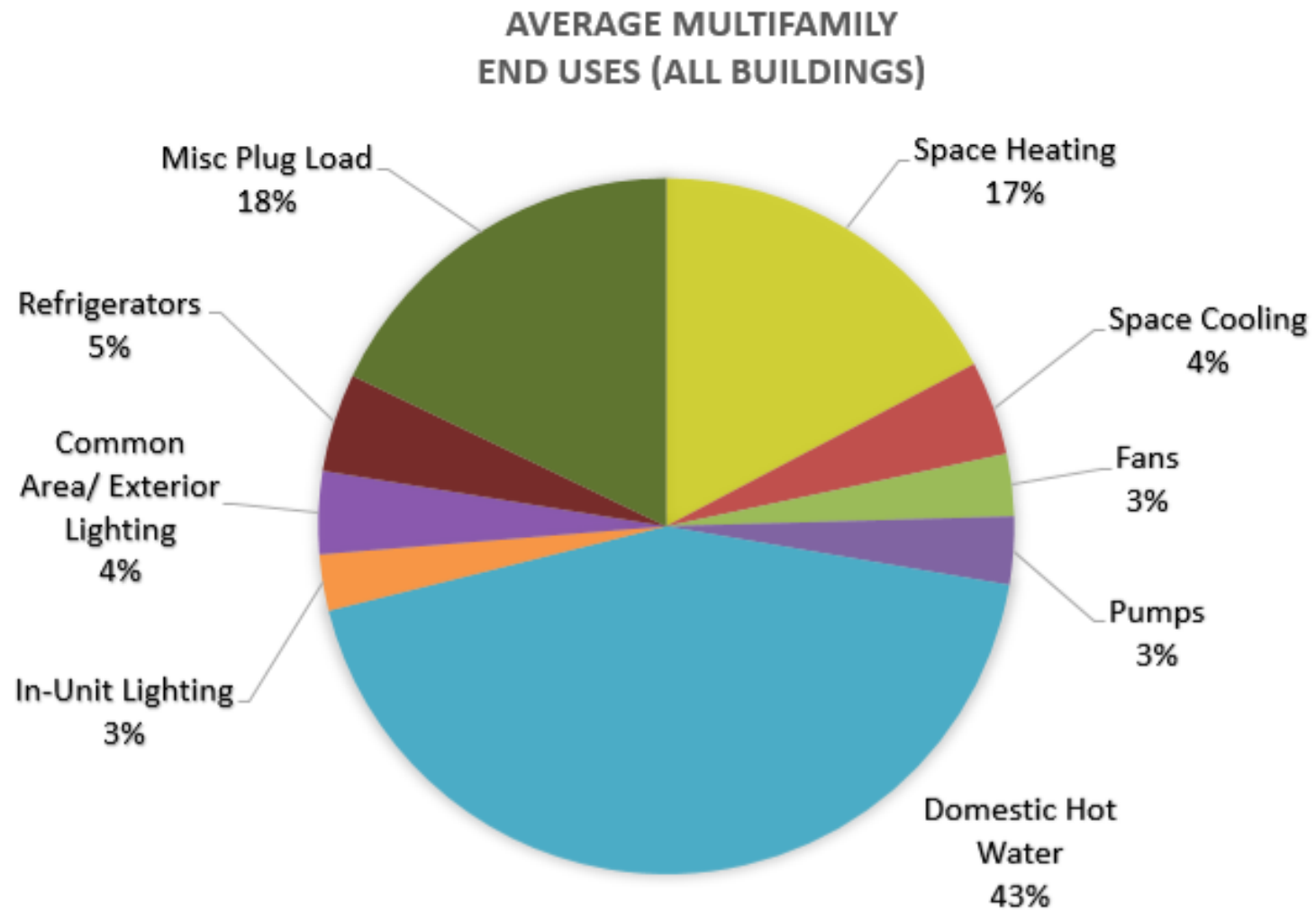






# Multifamily Home Energy Savings Program: Example Upgrades

# Multifamily Building End Uses for California



# In-unit DHW System Before



# In-unit DHW System After



## Central water heating system before



## Central heat pump water heating system after



# Other ways to reduce hot water usage



Variable speed recirculation pump with temperature-based controls



Demand controls



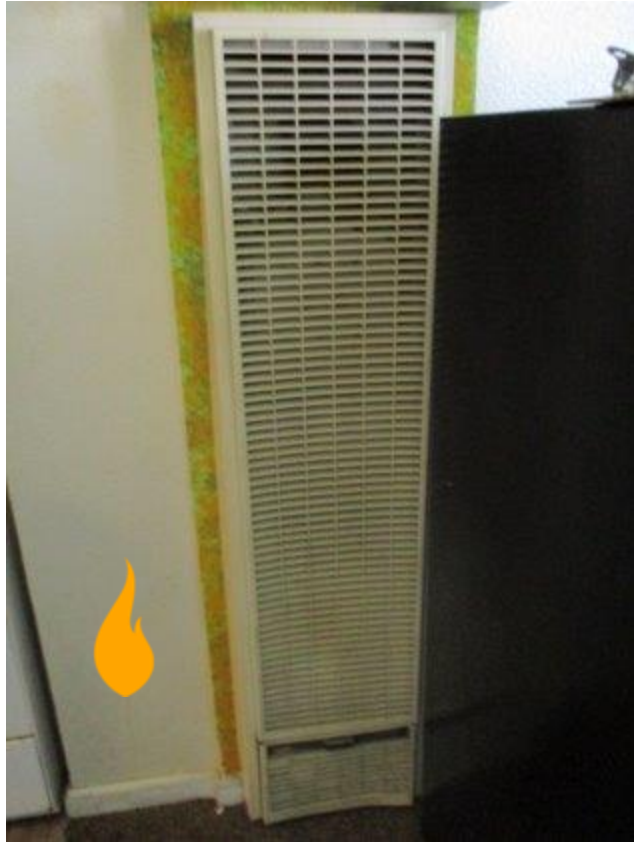
Low-Flow Water Fixtures



Pipe Insulation



# In-Unit Heating System Before



# In-Unit Heating System After



# In-Unit Ducted Heating and Cooling System Before



# In-Unit Ducted Heating and Cooling System After



# Roof Insulation Before



# Roof Insulation After





# Lighting Before



# Lighting After



# Washing Machines Before



# Washing Machines After





# Case Studies



# Key takeaways



Involve us early - no project plan necessary to enroll



The Scope of Work can be crafted to meet ownership priorities



Full program process typically takes 6-8 months



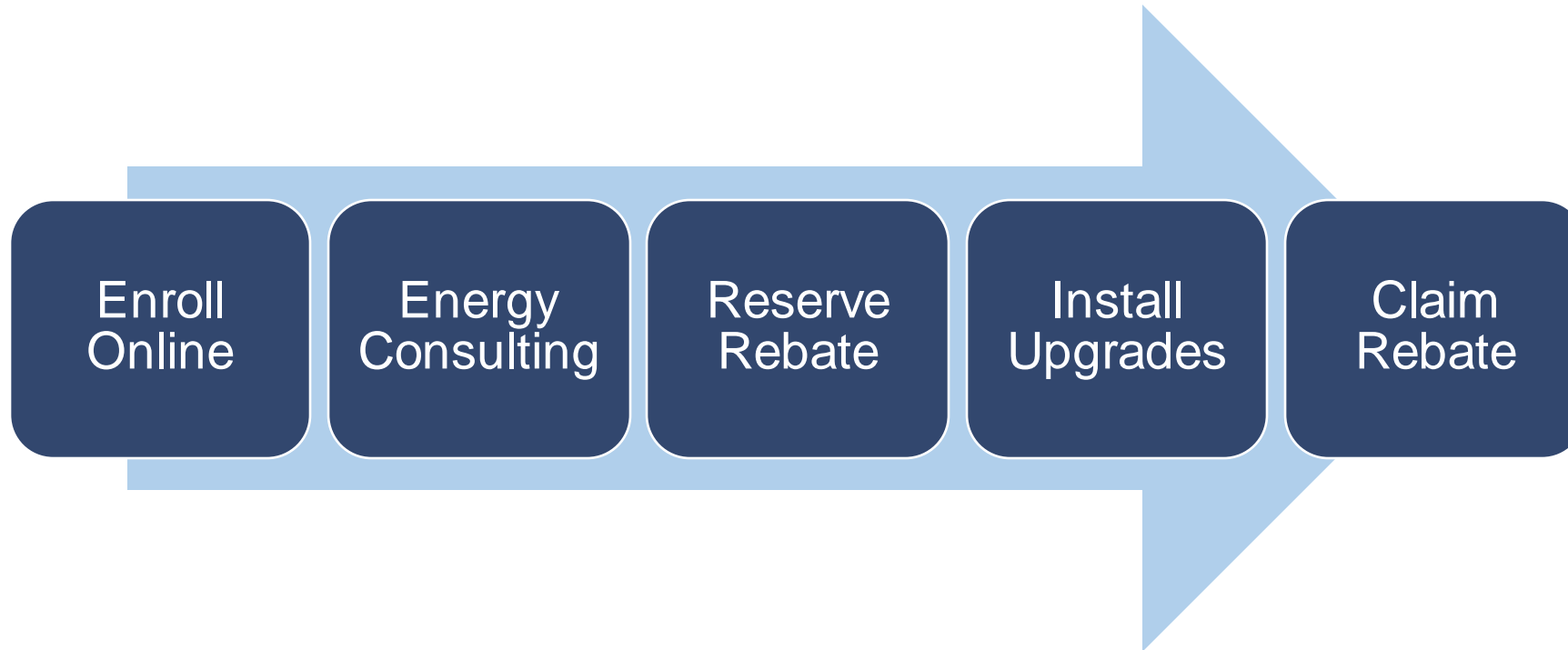
Rebates typically cover 40%-90% of project costs



Benefits include reduced utility costs, avoided maintenance & replacement costs, enhanced tenant satisfaction, and improved comfort & safety



# 5 Simple Steps to Participate





# Resources for Multifamily Housing Projects





# List of Resources

- [3C-REN's Multifamily Home Energy Savings Program \(HES\)](#)
  - **No cost energy assessment**
  - **\$1,000 back** for each high efficiency heat pump water heater or furnace replacement
  - Whole-building rebates up to **\$750 per apartment**
  - Interested? You can complete an interest form here: <https://www.3c-ren.org/multifamily-form>.
- [CCCE Electrify Your Home\\*](#)
  - Pairs with TECH to enhance rebates for electrification measures for CCCE customers
- [TECH Clean California Multifamily](#)
  - Offers technical assistance, and training to address barriers associated with electrification and energy efficiency upgrades in multifamily properties.
- [Low-Income Weatherization Program \(LIWP\)\\*](#)
  - Provides low-income households with solar photovoltaic (PV) systems and energy efficiency upgrades at no cost to residents.
- [Solar on Multifamily Affordable Housing \(SOMAH\)\\*](#)
  - Provides financial incentives for installing photovoltaic (PV) energy systems on multifamily affordable housing in California.
- [On-Demand Videos: Electrification for Multifamily Building Owners/ Managers](#)
  - Provides property owners and managers with necessary background to enable electrification retrofits. Courses include introduction to building science, approach, and technologies for electrification.



\*Has property affordability requirements



# List of Resources

- [Cal eVIP South Central Coast EV Charging Incentive Project](#)
  - Provides funding for the purchase and installation of eligible electric vehicle (EV) chargers in San Luis Obispo, Santa Barbara, and Ventura counties.
- [Charge Ready Electric Vehicle Charging](#)
  - Provides financial assistance and design and installation services for EV charging. Properties in DAC regions are eligible for turn-key solutions at no cost.



To learn more about the resources mentioned in today's presentation, you can reach out to us via email at [multifamily@3C-REN.org](mailto:multifamily@3C-REN.org) or give us a call at 805-724-0709.





# Q&A

