

Multifamily Home Energy Savings Launch



October 12, 2021



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**

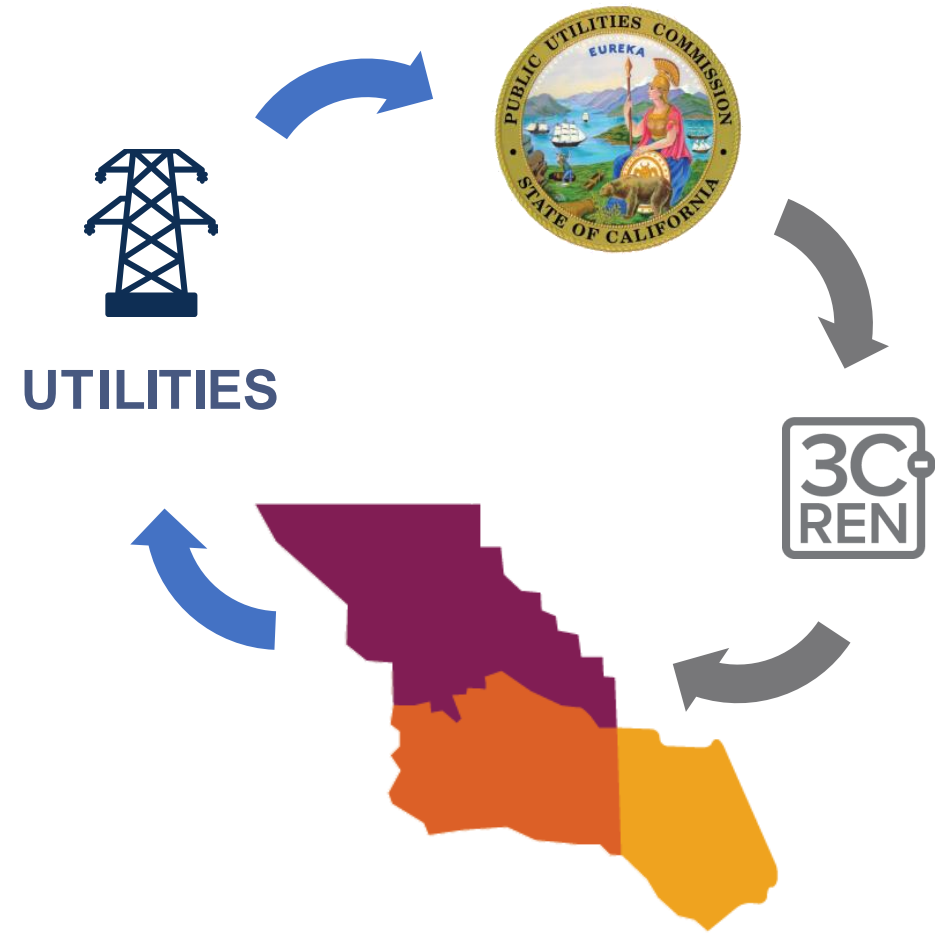
Organizational Structure

- 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





ENERGY
CODE
CONNECT



BUILDING
PERFORMANCE
TRAINING



HOME
ENERGY
SAVINGS







Multifamily Home Energy Savings Program Overview

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

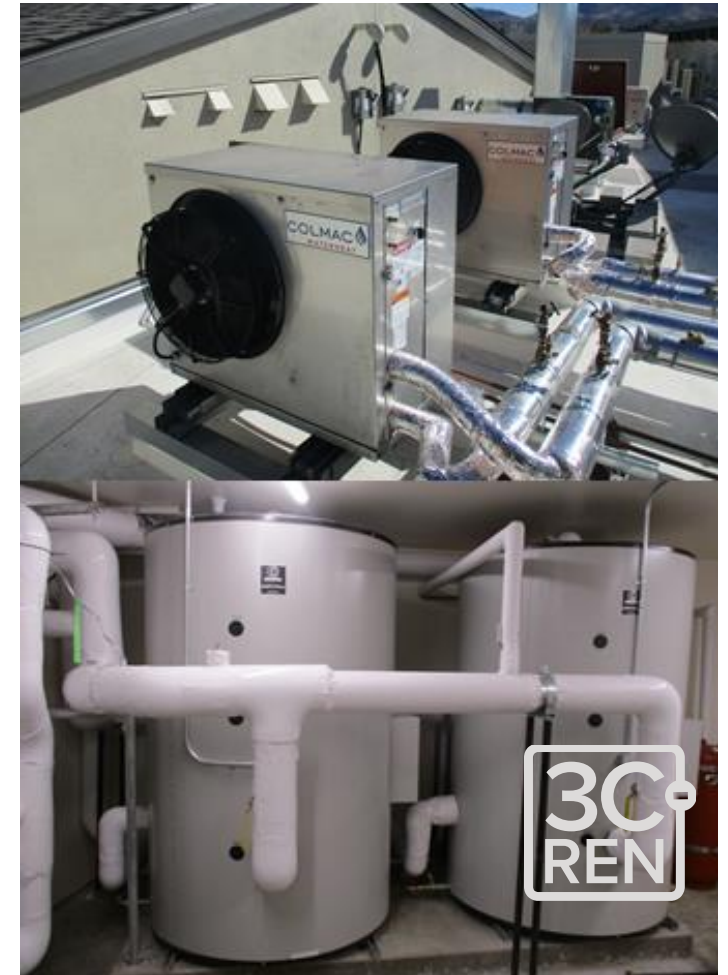
- \$750 per apartment unit for Underserved Properties
- \$500 per apartment unit for General Market Properties
- An underserved property meets one of the following criteria:
 - Contain less than 100 units
 - Affordable housing
 - Located in an AB 1550 Low Income Community or SB 535 Disadvantaged Community
- Qualified projects include 3+ measures and save over 0.25 MT of CO₂e per unit



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

Additive Measure Rebates	Rebate
In-unit Measures	
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
Central System Measures	
Central Heat Pump Water Heater	\$800 per apt served*
Central Heat Pump HVAC	\$800 per apt served
Common Area Measures	
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
 - Ex. Pipe Insulation, Recirculation Pump Controls
- Heating, ventilation, and cooling systems
 - Ex. Duct Sealing, Smart Thermostats
- Lighting and appliances
 - Ex. LED Fixtures, Energy Star Refrigerators, Low Flow Appliances
- Air sealing, windows, and insulation



Example Project: 25-unit apartment complex

Scope of Work

- Central Heat Pump Water Heater
 - DHW Pipe Insulation
 - Controls for DWH Recirculation Pumps
 - Common Area LED Lighting
-
- **Savings exceed 6.25 MT CO₂e
(25 units*0.25 MT CO₂e/unit)**

Rebates

- Whole Building Base Rebate:
 $25 \times \$750 = \$18,750$
 - Adder rebate:
 $25 \times \$800 = \$20,000$
-
- **Total: \$38,750**

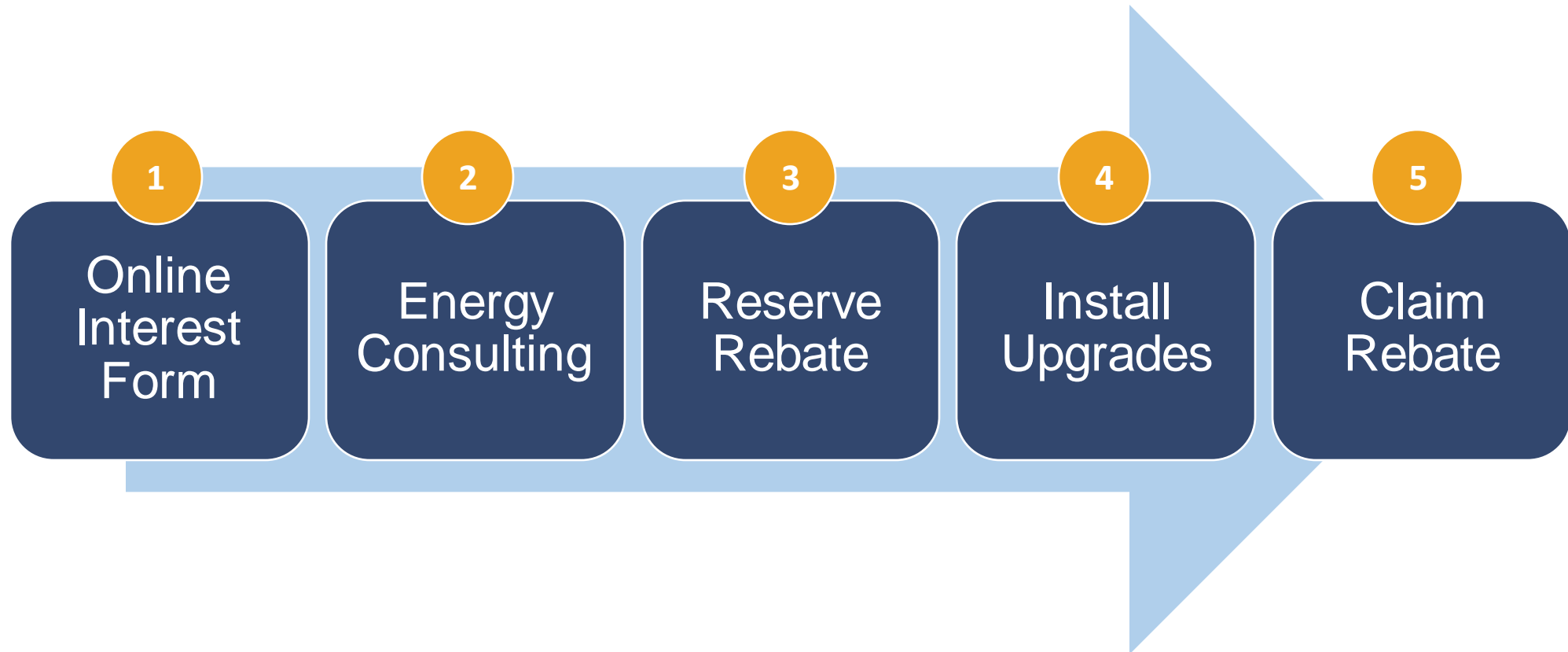


No-Cost Technical Assistance

- 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



Participation Process





Program Benefits

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.



How does this program serve you?

- Service: Supporting tri-county residents by providing resources for cost-effective building upgrades.
- Energy Consciousness: Promoting the importance of achieve energy-savings to lowering energy costs.
- Equity: Assisting residents who have been historically underserved by energy-efficiency programs.



Owner & Tenant Program Benefits

- Improving the accessibility of energy-efficient and high-performing technologies.
- Increasing opportunities to achieve cost and energy savings.
- Enhancing comfort by updating HVAC systems can lead to an increase in tenant retention.
- Improving safety and health with updated appliances, especially all-electric HVAC and water heating.



Environmental Benefits

- Help our region to meet greenhouse gas emission reduction goals
- Reduce indoor and outdoor air pollution to improve health of residents
- Accelerate adoption of high-performing buildings as our region transitions to more renewable energy





Case Study: People's Self-Help Housing Energy Site Improvement

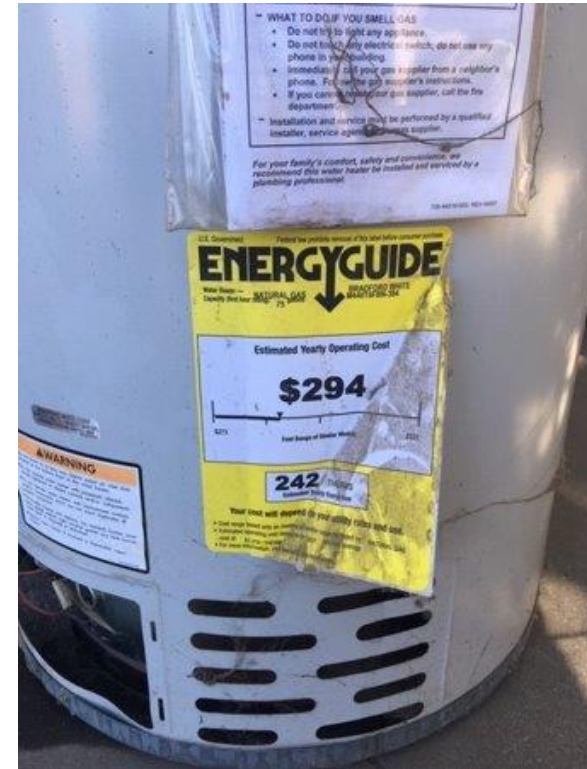
People's Self-Help Housing: 3C-REN Pilot Projects

- Affordable housing developer serving 4 counties along California's Central Coast
- Partnered with over 1,200 owner-builder households
- Constructed over 1,900 rental units serving 5,000+ residents
- Teaching 350+ students per day at 11 on-site learning centers
- Project Sites: Los Adobes de Maria I, Los Adobes de Maria II, and River View Townhomes



Goals

- Reduce utility costs
 - Water heater costs (alone) from \$294/year to \$104/year according to Energy Guide
- Improve lighting quality
- Improve indoor comfort and air quality
- Reduced CO2 emissions



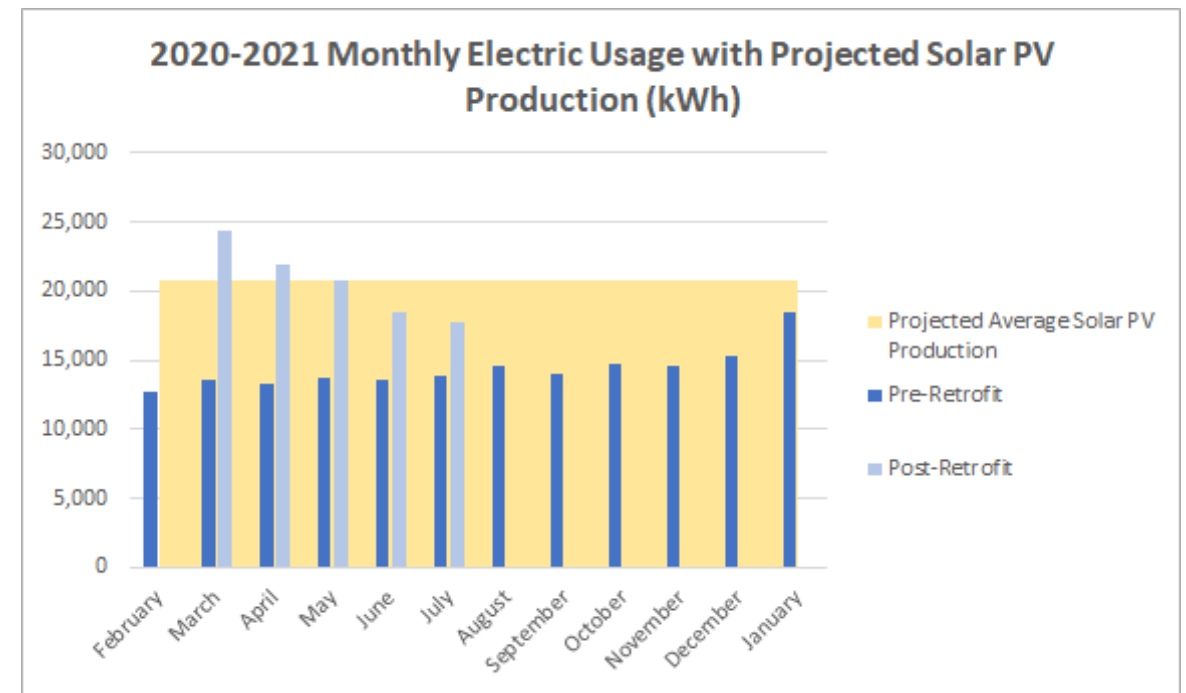
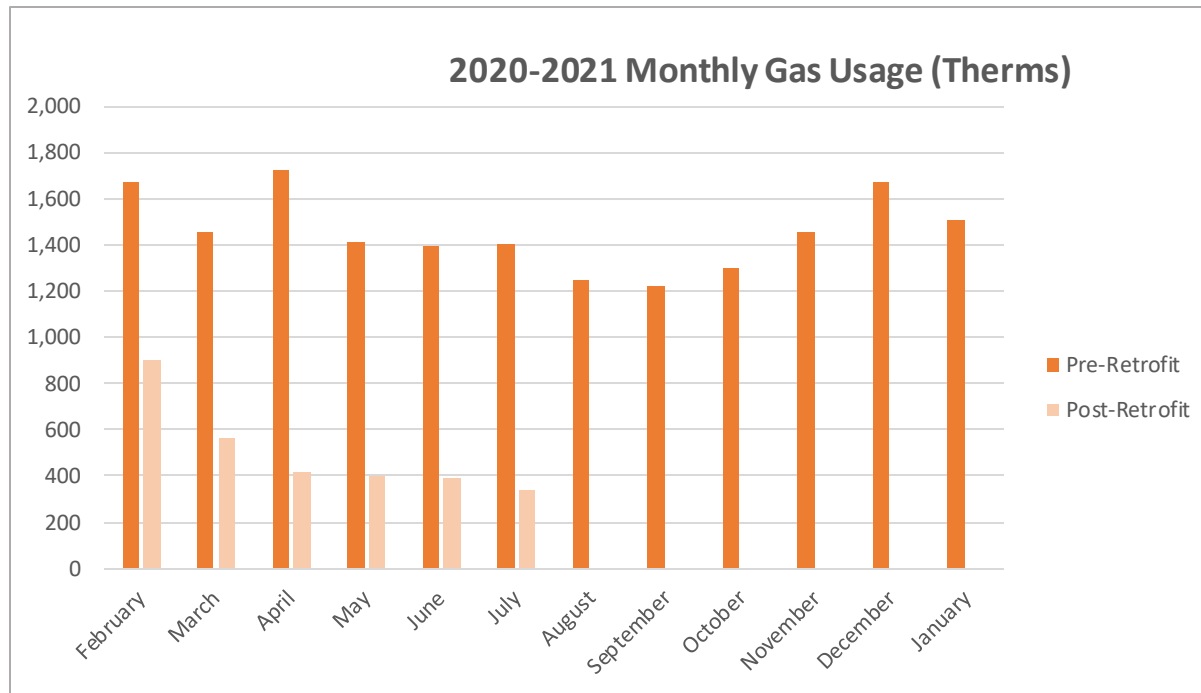
Project Scope

- LED Lighting
- Low-flow Aerators and Showerheads
- Improvements to Attic Insulation
- Duct Sealing
- Smart Thermostats
- Heat Pump Water Heaters
- Solar Photovoltaic (in progress)



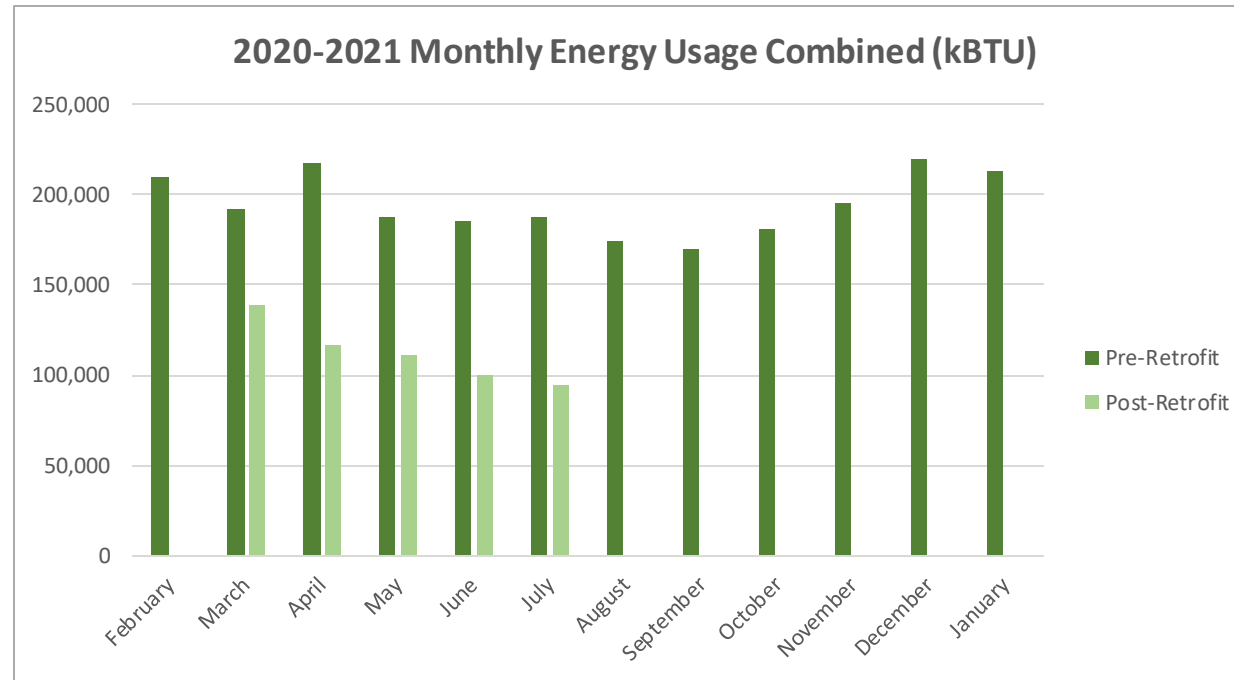
Impact

Site Energy Savings for Los Adobes de Maria I



Impact

Site Energy Savings for Los Adobes de Maria I





Questions?

