

## BayREN Refrigerant Replacement Program Overview

Public webinar

12/12/2024



### **BAYREN**: Bay Area Regional Energy Network

Coalition of the Bay Area's 9 counties + ABAG

Fill gaps in utility energy efficiency programs

Run programs for Hard-to-Reach markets

Pilot new, innovative approaches that can scale



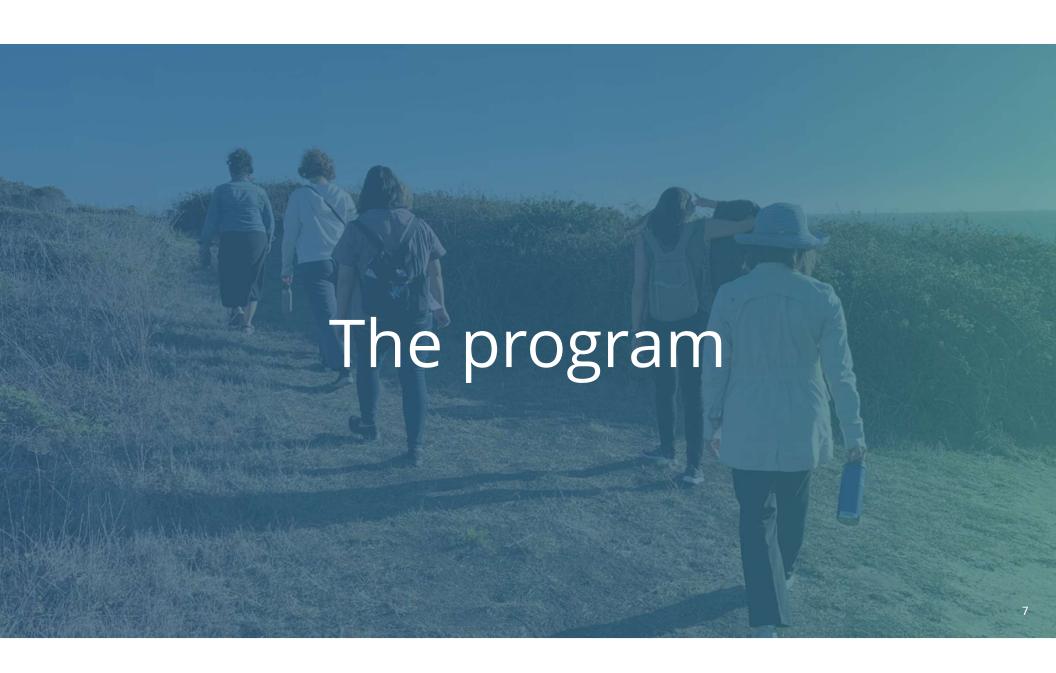




- Refrigerant is a fluid used in cooling systems - that transfers heat, helping to cool space
- Refrigerants are critical to our food supply, economy
- Many warm the planet: Global Warming Potential (GWP), traps heat in atmosphere



- Small refrigeration systems are not regulated
- Many systems are old, not maintained, leaky, use high-GWP refrigerants
- Owners lack awareness;
   challenged by high repair,
   electricity costs





# Our goal is to help small food and floral businesses reduce:

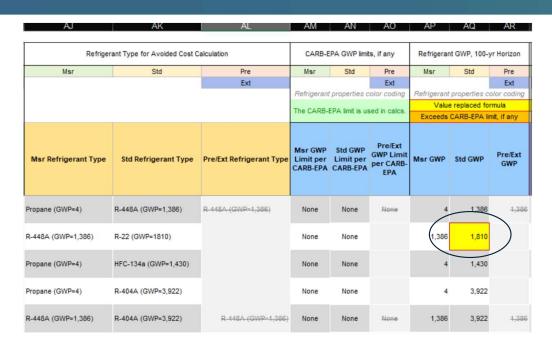


reliance on high-GWP refrigerants

GHG emissions from leaky systems

utility costs w/
EE, maintenance

#### BRRR reduces GHG-emissions, energy use

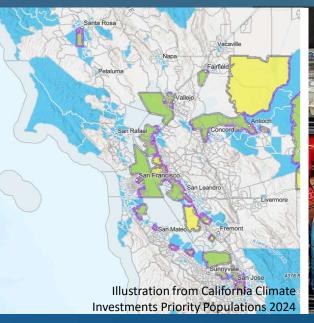


Refrigerant Avoided Cost Calculator: GHG-emissions reductions claim



Deemed Savings Calculator: energy use reductions claim

### Our eligibility criteria







Location:

DAC / Low Income Community



**Business Types:** 

Food, floral, non-franchise



**Equipment:** 

Remote system w/ high-GWP refrigerant

### Our annual targets

	Target Description	2024-2025 Soft launch	2025 Regional launch	2026	2027	
	# of Projects	20	100	120	150	
	Metric Tons of CO <sub>2</sub> equivalent Reduced	247	1,236	1,482	2,317	
	Pounds of High-GWP Refrigerants Reclaimed	458	2,290	2,748	4,294	
	Incentive Budget	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	12

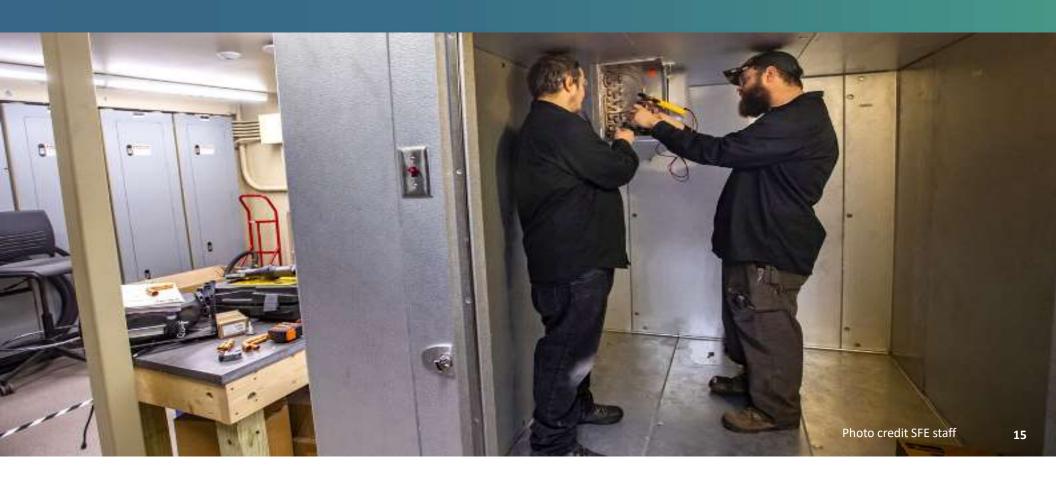


## Contractor Recruitment

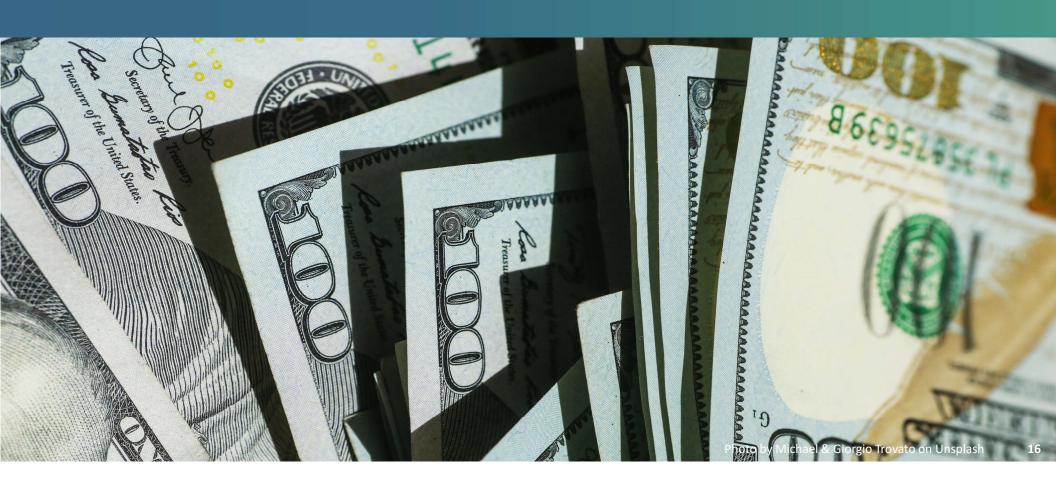
Mindful Maintenance Right-sized Incentives

Replace, Repair, Upgrade

#### Recruit qualified, local refrigeration contractors



### Right-sized incentives



### Replace high-GWP refrigerants

Bad	GLOBA	L WARMING PO	TENTIAL	Ok
R 12	R 404	R 22	R 448	CO <sub>2</sub>
10,900	3,922	1,810	1,387	1

### Replace or repair equipment



#### Upgrade with deemed EE measures

Anti-Sweat Heater Controls

ECM Motor for Walk-In

Suction Line Insulation

Auto Door Closer Reach-In Glass
Door
Refrigerator

### Maintenance Training





Owners, Managers, Employees



Provided by BRRR Team



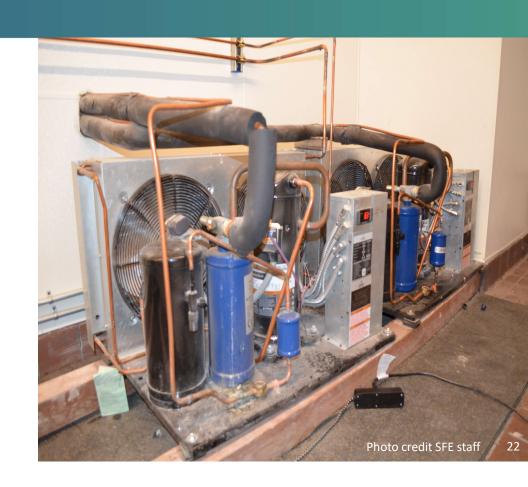
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#### Lessons learned to-date

#### So far, we've learned:

- Local contractors are key because they know their building codes
- Consider tiering incentives to meet on-site needs better
- Leak detection is difficult and time consuming
- Gather feedback from customers and neighbors



In Closing.....





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