# ET Summit 2024

Presented by





# Technician Training to Unlock Efficiency for Ultra-Low GWP Refrigerants Recruit, Train, Retain: Building a Sustainable Workforce



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NASRC





## **Who We Are**

A 501c3 nonprofit working to create a sustainable future for supermarket refrigeration by removing barriers to natural refrigerant adoption.

180+
member
companies

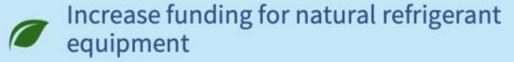


55K+
food retail
locations

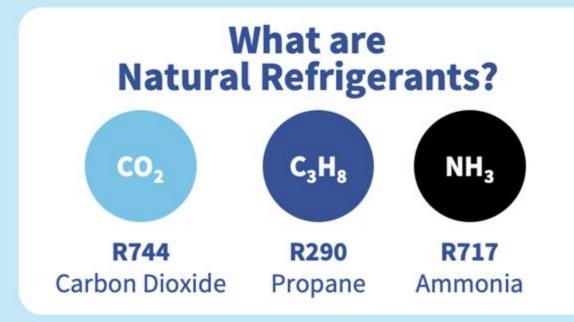


## Goals





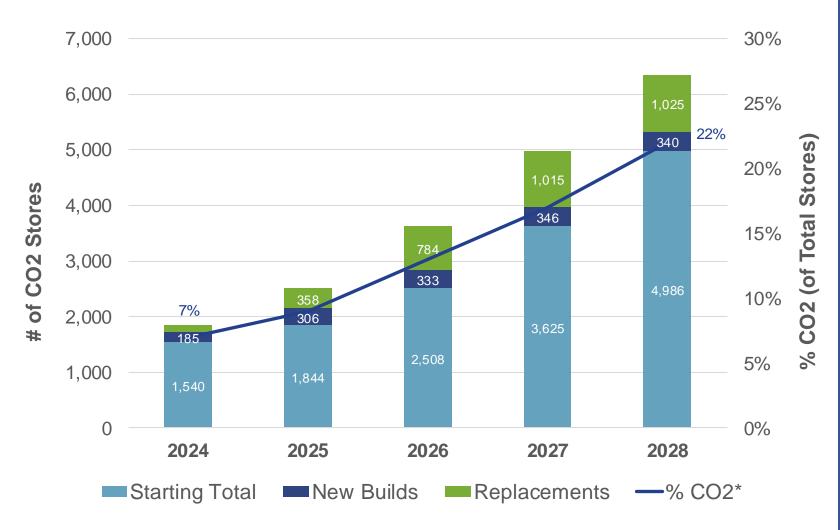
Improve technology options, education, and awareness



## ET Summit 2024



## **Projected Count of U.S. CO2 Stores (2024-28)**



Based on survey data from 14 food retail companies representing nearly 28,000 U.S. store locations.

312% projected growth in U.S. CO2 stores by 2028\*\*

<sup>\* %</sup> CO2 = Projected CO2 stores divided by projected total store count for respondents ONLY

<sup>\*\*</sup> Growth in CO2 stores represents respondents ONLY

#### ET Summit 2024



# California F-Gas Reduction Incentive Program (FRIP)

# NASRC awarded FRIP Program Administrator

#### *s*oals

- Reduce hydrofluorocarbons (HFCs) emission
- Alleviate barriers to adopting ultra-low-global
   warming potential (GWP) refrigeration equipment
- Prioritize facilities in disadvantaged and lowincome communities, small businesses, & independent facilities

#### **Program Highlights**

- Applications open October 14, 2024
- Learn more at <u>www.FRIPfunding.com</u>





## **Budget = \$65 Million**

- Commercial and industrial refrigeration (RMP facilities): \$38.5 Million
- <50 lbs. refrigeration equipment: \$2 Million
- Other sectors (TBD): \$20 Million





### **MISSION**

Accelerate natural refrigerants in supermarkets.

WORKFORCE DEVELOPMENT

ACCELERATE RECRUITMENT, TRAINING, AND RETENTION **FUNDING** 

ACCELERATE NATURAL INSTALLATIONS **EDUCATION** 

ACCELERATE MARKET FOR NATURALS



# The Workforce Gap

There are simply not enough technicians to transition from HFCs. And the gap is only growing.

- Roughly 80,000 HVACR technician jobs are currently unfilled, or 39% of the total workforce.\*
- Technician workforce retiring out.
- Not enough technicians entering the HVACR trade.
- Burnout loop accelerating technician attrition.
- 40,100 job openings for HVACR technicians are projected each year between 2021-2031.\*\*

# Technician Burnout Loop



<sup>\*</sup> Source: "Addressing Hvacr's Skills Gap; Promoting Exciting Trade Career Opportunities." Emerson E360 Blog, 17 Jan. 2023.

<sup>\*\*</sup> Source: Occupational Outlook Handbook: Heating, Air Conditioning, and Refrigeration Mechanics and Installers. U.S. Bureau of Labor Statistics. (2022, September 8).



# **NASRC** Assessment

# Workforce Development

DASSessmenti Reporte

HVACR technician workforce.



Download full report: <u>nasrc.org/workforce-</u> development

## What We Did

- Interviews
  - Service Contractors +5,000 employees
  - Retailer in-house technicians 3,500+ locations
  - Training Directors and Faculty +37 school programs
- 100+ Surveys
  - Technicians and Service Managers
  - Service Contractor HR
  - Training Programs/Schools

## **Key Takeaways**

- Improve pre-recruiting and recruiting strategies
- Increase training opportunities
- Focus on retention
- An industry-wide effort is needed

# Our Workforce Development Strategy

# Increase the number of technicians entering the trade

- HVACR student recruiting
- School support
- Career marketing



# Increase technicians staying in the trade

- Promote best practices
- Utilize technologies to reduce burden
- Managerial training



- Training Summit
- On-site trainings
- Develop training resources







# R-TRADE (Refrigeration Technician Recruitment, Advancement, Development and Education)



NASRC's comprehensive workforce development program to build a sustainable and skilled technician workforce

Build a robust pipeline of refrigeration technician candidates

Increase access to comprehensive training on advanced refrigeration technologies

Increase the number of existing technicians who remain in the refrigeration trade

#### **FOUNDING PARTNERS**













# **R-TRADE Solutions**

#### RECRUIT

**HVACR Faculty** 

**Equipment Access for** 

**HVACR Schools** 

"Train-the-Trainer" Program

**Student Recruiting & Career** Campaign

> **HVACR Work-Based Learning Program**

TRAIN

**Natural Refrigerant Training** Summits

Natural Refrigerant Training Workshops

**On-Demand Training Series** 

On-Demand **Troubleshooting Series**  RETAIN

**Best Practices Guideline** 

Technology Guideline

Managerial Training

On-Going Survey and Data Collection













## **What We've Done**









#### **Natural Refrigerant Training Summits**

- Four Training Summits completed
- 900+ technicians trained
- 100 training sessions
- 1,600+ attendees

#### **HVACR Student Networking Sessions**

- Four student networking sessions completed
- 370+ HVACR students & faculty
- 36 participating schools

#### **HVACR School Support**

- CO2 curriculum for schools
- Train the trainer pilot for HVACR instructors

#### **Technical Training Program**

 Customizable training from NASRC Training Director, Rusty Walker



# **2024-25 Training Summit Calendar**

Location	Dates
Seattle, WA	November 12–14, 2024
Pittsburgh, PA	March 25-27, 2025
Irwindale, CA	April 22-24, 2025
St Paul, MN	May 20-22, 2025











nasrc.org/training



#### **CO2 Controls Workshop**

December 4-5, 2024, PG&E Stockton Conference Center Technicians Register Free!

https://nasrc.org/co2-controls-workshop/



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