



NASRC 2018 Annual Report

The North American Sustainable Refrigeration Council

WWW.NASRC.ORG



A LETTER FROM OUR EXECUTIVE DIRECTOR



2018 was our biggest and most rewarding year yet at the NASRC. Together with our members and partners, we made great strides towards achieving our mission. From driving incentives for natural refrigerant technologies at both the utility and state levels, to developing new training resources and tools for contractors, to filling gaps in codes and standards, every activity is focused on taking action to overcome the barriers preventing the widespread adoption of natural refrigerants.

Three years ago, a group of industry leaders formed the NASRC as a 501c3 environmental nonprofit structured to address the barriers to natural refrigerant adoption by working directly with industry stakeholders. They decided it was time to stop talking about the issues slowing the adoption of natural refrigerants and bring the industry together to take action. Today, that same spirit of direct action, leadership, and responsibility is embedded in every aspect of our organization.

NASRC's core strength is our network of members that contribute their time and resources towards our initiatives. Their energy and enthusiasm are behind all of our accomplishments. Together, we've built a strong community of over 110 members. Most notably, there has been a tremendous growth in participation from end-users, with over 22,000 supermarket locations in North America, representing nearly 60% of US supermarket locations. This year, we also welcomed three new members to our Board of Directors, Jim McClendon of Walmart, Brad Person of SEER², and Michael May of Hillphoenix.

Our work has become increasingly urgent in the face of increased pressure from regulations to move towards lower GWP refrigerants. As these regulations are rolled out, the hurdles to natural refrigerants still remain. Now more than ever, we need fast action and immediate solutions.

In 2019, we look forward to building on our accomplishments and momentum to mobilize our community and drive swift action.

Sincerely,

Danielle Wright
Executive Director
NASRC

OUR MISSION: NASRC is an environmental nonprofit taking action to advance natural refrigerants and shape a more sustainable future for supermarket refrigeration.

OUR VISION: To significantly lessen the environmental impact of refrigeration through widespread adoption of natural refrigerants and other innovative technology.

NASRC BOARD OF DIRECTORS



Bryan Beitler, President/CEO
CoolSys



Peter Dee, Chair
Danfoss



Brad Person, CFO
SEER²



Todd Washburn, Secretary
True Manufacturing



Keilly Witman
*KW Refrigerant Management
Strategy*



Aaron Daly
Whole Foods Market



Tristam Coffin
Whole Foods Market



Paul Anderson
H-E-B



James McClendon
Walmart Stores Inc.



Michael May
Hillphoenix



Clay Rohrer
Micro Thermo / Parker Hannifin



Steve MacWilliams
Carter



Peter Narreau
Bitzer North America

2018 ACCOMPLISHMENTS

Throughout 2018, the NASRC mobilized our members and partners - including over half of the supermarket locations in the US, major manufacturers of refrigeration equipment and components, service contractors, engineering and design firms, consultants, utilities, trade associations, and other commercial refrigeration stakeholders – to take action in the following areas:

COST



- **Utility Incentives:** Partnered with utilities to develop incentive measures and tools.
- **State Incentives:** Successfully mobilized support for California Cooling Act, which calls for an incentive program to fund low-GWP technologies.
- **Incentives Task Force:** Formed the NASRC Incentives Task Force composed of industry leaders ready to mobilize in support of incentives.

SERVICE READINESS



- **Service Network:** Launched [Natural Refrigerants Service Network](#) to connect food retailers with trained contractors in any location.
- **Training Materials:** Facilitated the development of natural refrigerant training materials, most notably the RETA CO2 Handbook to be released in 2019.

CODES & STANDARDS



- **Propane Charge Limit:** Developed an action plan to establish standards for higher propane charges in commercial self-contained equipment.
- **Engineering Standards:** Contributed to engineering standards and guidance for the use of natural refrigerants in supermarkets.

EDUCATION



- **Events:** Hosted 17 workshops, seminars, and webinars to increase awareness of natural refrigerant options and promote adoption.
- **Resources:** Developed educational materials, including best practices documents and case studies of natural refrigerant projects.

2018 Events

The NASRC specializes in hosting regional events that offer unique and valuable content for commercial refrigeration stakeholders. Read about our 2018 workshops below:

- **PROPANE CODES & STANDARDS WORKSHOP, WASHINGTON, DC**
Facilitated collaboration between standards bodies & refrigeration stakeholders to develop an action plan to raise the charge limit for propane (R-290) self-contained applications.
- **NATURAL REFRIGERANTS MEGA-TRENDS WORKSHOP, BOISE, ID**
Partnered with the Idaho Department of Environmental Quality to bring together commercial refrigeration stakeholders and map the future of refrigeration trends, including natural refrigerant technology options for new stores.
- **NATURAL REFRIGERANTS MEGA-TRENDS WORKSHOP, BURLINGTON, VT**
Partnered with Efficiency Vermont to expand on the themes from previous Mega-Trends workshop. Provided attendees with overview of refrigerant trends, technology choices, and a special emphasis on natural refrigerant applications in new & existing stores.

Stay up-to-date on industry
and NASRC events at

www.nasrc.org/events.

MEMBERSHIP MATTERS

2018 was our biggest year yet for NASRC membership. Our members include end-users, service contractors, OEMs and manufacturers, suppliers, consultants, engineering and design firms, trade organizations, utilities, nonprofits, and wholesalers. See a [full list](#) of NASRC members at the end of this report.

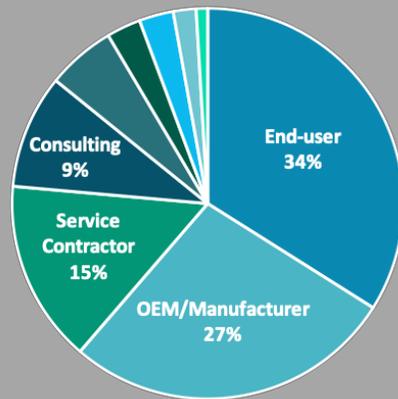
2018 NASRC MEMBERSHIP

115 Member Organizations

22,000 Supermarket Locations

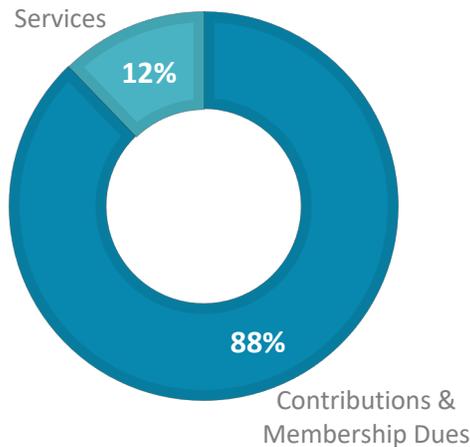
60% US Supermarket Locations

MEMBERS BY TYPE

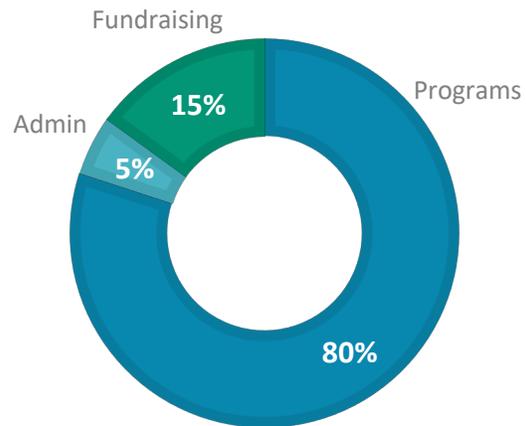


2018 FINANCIAL OVERVIEW

2018 REVENUE



2018 EXPENSES



Access NASRC's 990 form [here](#).

NASRC MEMBERS

Thank you to our members! None of what we do would be possible without your support.

End-User

Albertson's
ALDI
Brattleboro Food Coop
Brookshire Brothers
Campbell Soup Company
Chavez Supermarkets
East Aurora Co-op Market
Food Lion
Genentech, Inc.
Giant Eagle
Grocery Outlet
H-E-B
Hannaford
Harris Teeter LLC
Holiday Quality Foods
Loblaw Companies Limited
Longos
Mom's Organic Market
National Co+op Grocers
Nature's Path Foods
New Leaf Markets
New Seasons Market
Nugget Market
Palace Market
PCC Community Markets
Raley's Family of Fine Stores
Red Bull North America, Inc.
Sprouts Farmers Market
Target
The Fresh Market
The Kroger Co.
The North West Company
Vallarta Supermarkets
Walmart Stores Inc.
Weis Markets, Inc.
Whole Foods Markets

Service Contractor

Accutherm Refrigeration
Clima-Tech LLC
Climate Pros
Compass Refrigeration
CoolSys

DEEM Mechanical
Eastern Refrigeration
Jack R Gage Refrigeration
Key Mechanical
KORE Refrigeration
Professional HVAC/R Services
RMC Refrigeration
South-Town Refrigeration & Mechanical
St Cloud Refrigeration
Turner Piping & Refrigeration

Consulting

2050 Partners, Inc.
Certified Energy Consultants
CLEAResult
Ecology Action
Enreps LLC
Groom Energy
KW Refrigerant Management Strategy
NRMS Global Ltd
OTS Energy
R3 Retail Development

Engineering & Design

Aislamientos Constructivos
CTA Architects Engineers
DC Engineering
kW Engineering
SEER²
VaCom Technologies

OEM, Manufacturer, Supplier

Advanced Refrigeration Systems
Aeropres Corporation
AHT Cooling Systems USA, Inc
Arneg USA
Axiom Exergy
Bacharach
Baltimore Aircoil Company
BITZER US Inc.
BITZER Canada Inc.
Carlyle Compressor

Carter

ClimaCheck
Danfoss
ebm-papst Inc.
Embraco
Emerson
Evapco
Gas Innovations
Güntner US
Hillphoenix
Hussmann
Kysor Warren
Parker Hannifin
Rebound Technologies
RefPlus
Secop
Southern CaseArts
Systems LMP
True Manufacturing
Zero Zone, Inc.

Trade Organization

Air Conditioning Contractors of America (ACCA)
Heating, Air-conditioning & Refrigeration Distributors International (HARDI)
Refrigeration Service Engineers Society (RSES)

Software Company

ServiceChannel

Utility

Northwest Energy Efficiency Alliance (NEEA)
Sacramento Municipal Utility District (SMUD)

Wholesaler & Distributor

Refrigerative Supply

Nonprofit

American Carbon Registry
Australian Refrigeration Association