

# ET Summit 2024

Presented by



# California: Refrigerant Policy Landscape

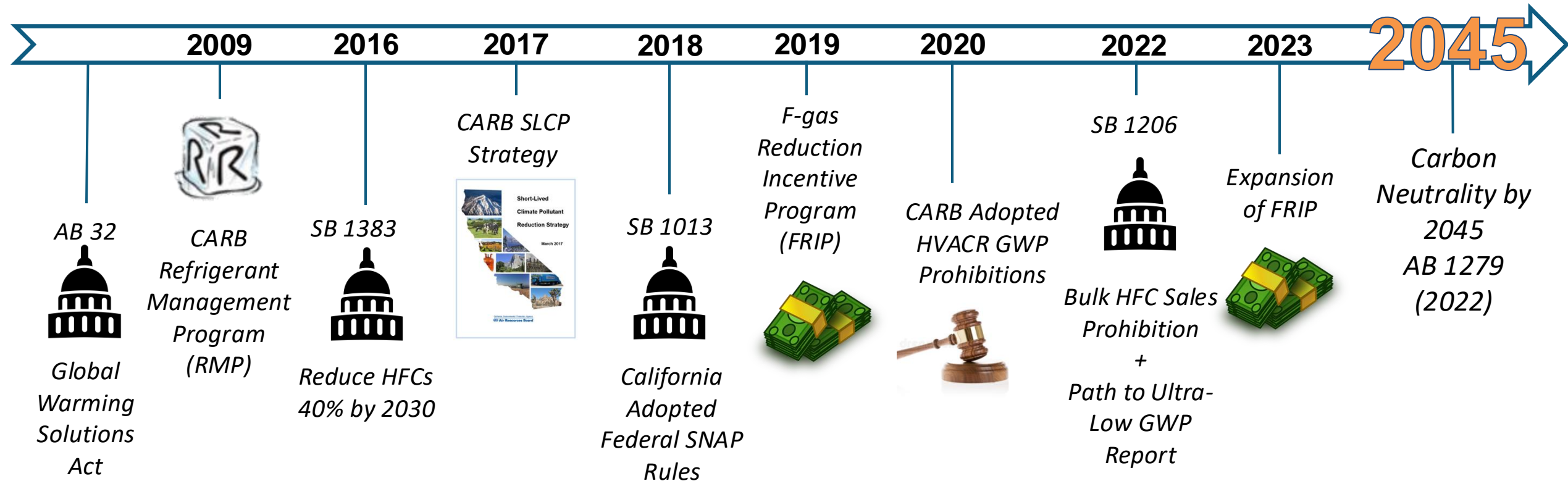
Aanchal Kohli

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# California's Commitment to Hydrofluorocarbon (HFC)/Refrigerant Reductions



## CARB's Adopts GWP Limits: Stationary Air/Space Conditioning and Refrigeration (2020)

First-of-its-kind in the Nation

New Room, Wall,  
Window, Portable AC  
and Small Equipment



**January 1, 2023**  
GWP < 750

New Other  
Residential and  
Commercial AC  
Equipment



**January 1, 2025**  
GWP < 750

New Variable  
Refrigerant Flow  
(VRF) Systems



**January 1, 2026**  
GWP < 750

New Refrigeration  
Equipment (> 50lb)



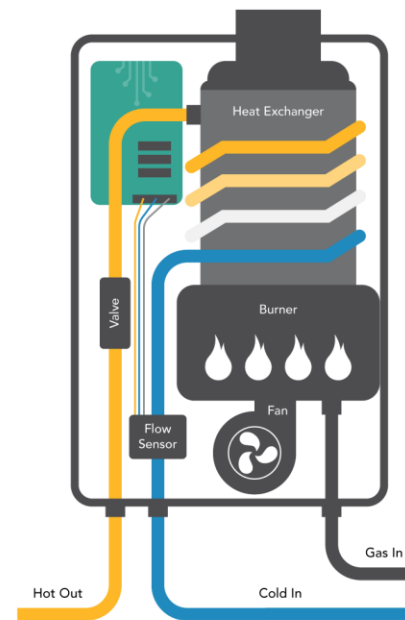
**January 1, 2022**  
GWP < 150

Company-Wide  
Reduction Targets  
for Existing Food  
Retail Facilities by  
**2030**

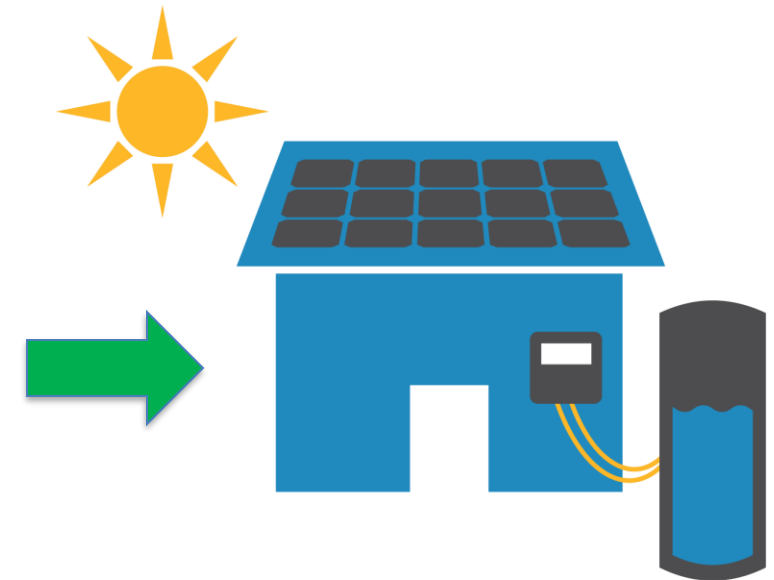
Similar standards have been adopted nationally by the US EPA in their final Technology Transitions Rule under the AIM Act in 2023.

# HFC Expected to Increase with Building Electrification

- Adoption of heat pumps for space conditioning, water heating, clothes drying and pool/spa heating (all of which are generally HFC reliant) is increasing.
  - They are a key strategy for building electrification
  - Warmer climate and growing populations increase demand
- Electrification has many benefits, however, HFCs will likely increase if we don't shift to lower-GWP options.



Uses Fossil Gas



Uses Refrigerants

# California SB 1206 (2022): The Future of HFCs in California

HFC Sales Prohibition Aligns with National HFC Phasedown

2025	2030	2033
> 2,200 GWP	> 1,500 GWP	> 750 GWP

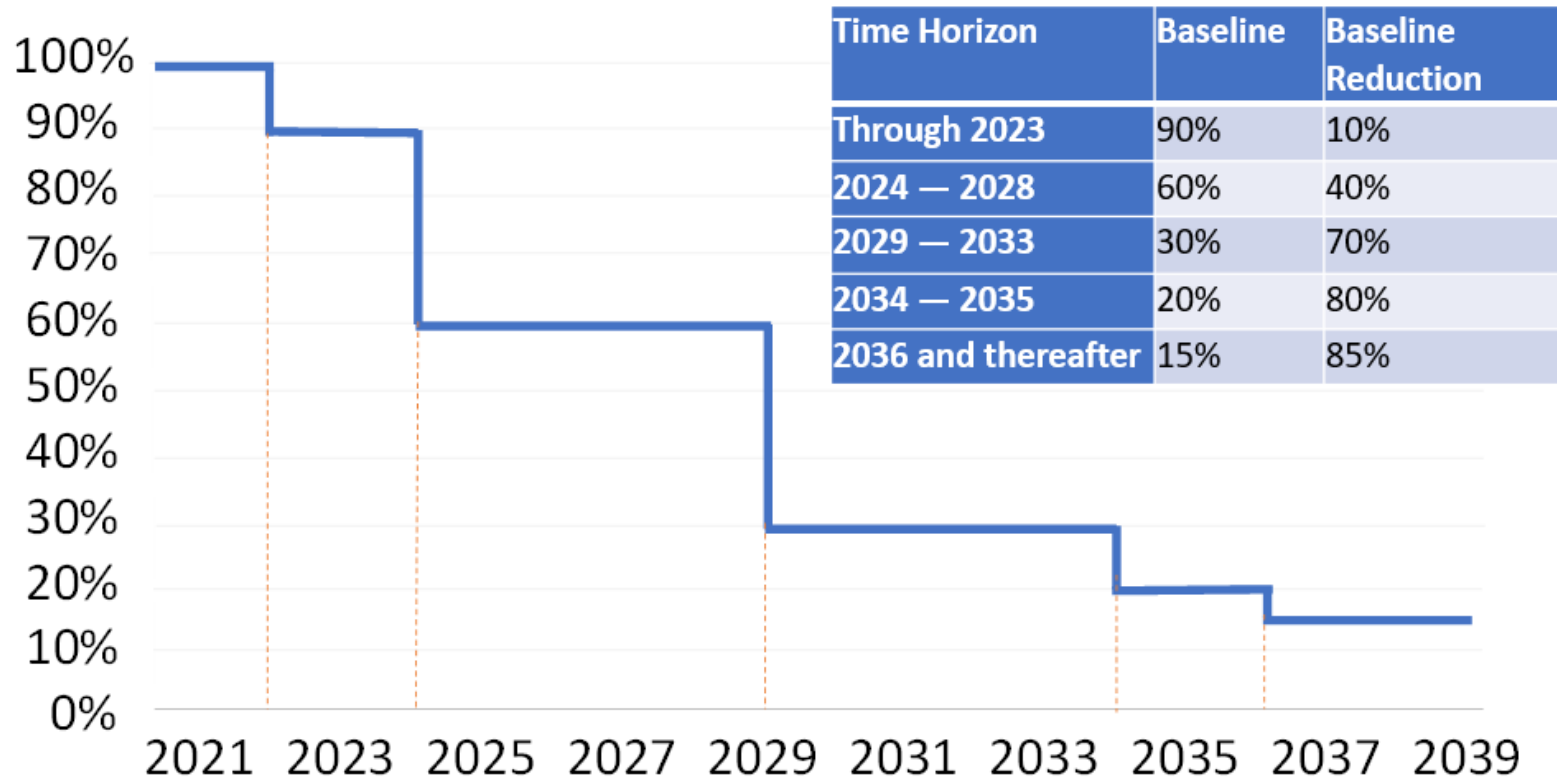
Assessment Report – Plan to transition CA to ultra-low GWP (<10 GWP) and no-GWP alternatives by 2035.

- Identify barriers to and maximize recovery and reclamation (California Energy Commission conducting an analysis)
- Increase the adoption of new ultra-low GWP technologies
- Workforce training and certification recommendations
- Role of incentive funding to transition the market



# Complementary Policy: National HFC Phasedown

## AIM Act HFC Phase Down



Source: <https://www.opteon.com/en/support/regulations>



## F-gas Reduction Incentive Program (FRIP) Round 1

CARB received \$1 million in 2019-2020

- ❄️ 15 funded projects, including
  - ❄️ 9 located in a census tract identified as disadvantaged or low-income
  - 📍 13 ultra-low-GWP technologies





# FRIP Round 2: Accelerating Ultra-low-GWP Technologies

- \$65 million from CA Legislature to reduce HFCs and increase climate-friendly alternatives. North American Sustainable Refrigeration Council (NASRC) selected as FRIP administrator.

\$40 million available for large (> 50 lb) commercial and industrial refrigeration facilities to install ultra-low-GWP (<10 GWP) technologies.

[Final Funding Guidelines](#) and [Application portal](#) now available

First come, first served program with first application window  
October 14, 2024 – January 31, 2025

- Future solicitations coming soon!



**FRIP**

F-gas Reduction  
Incentive Program

## Resources

[HFC Regulation Rulemaking](#)

[CARB SB 1206 Information](#)

[F-gas Reduction Incentive Program \(FRIP\)](#)

[Zero-Emission Appliance Standards Website](#)

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<https://ww2.arb.ca.gov/our-work/programs/stationary-hydrofluorocarbon-reduction-measures>







