

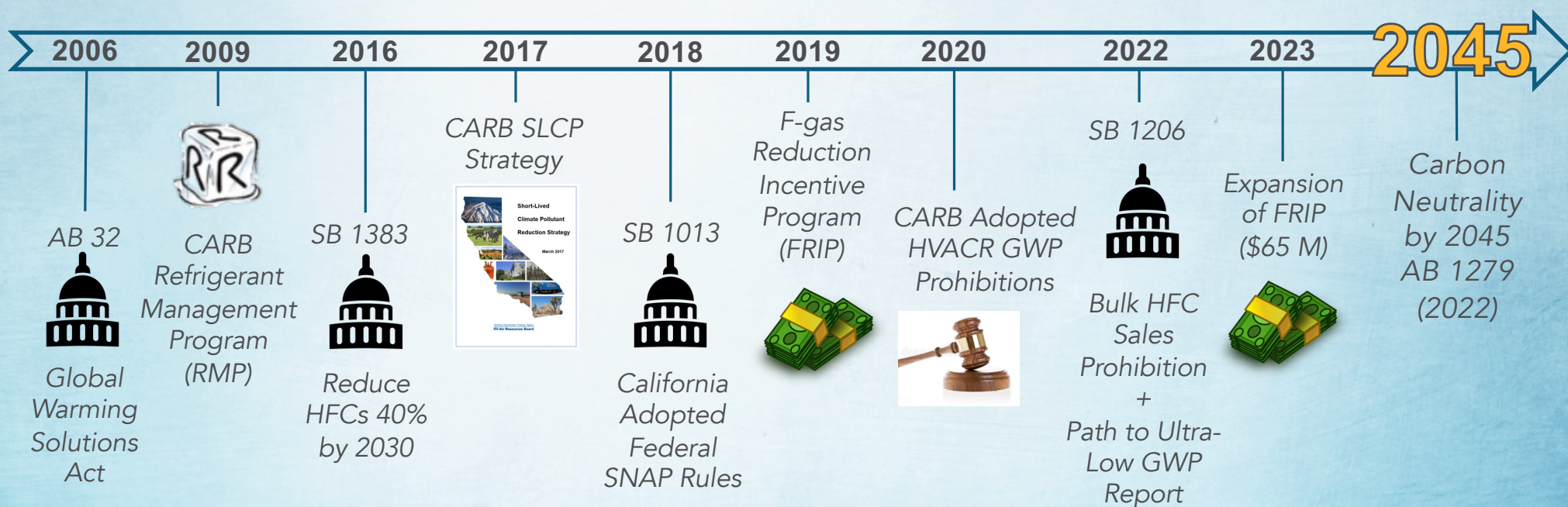


# **Overview of California's Hydrofluorocarbon (HFC) Regulatory Landscape**

ET Summit - September 17, 2025

Cheryl Winfield, MS, EIT

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





# CARB's HFC Regulation (2020) and the National HFC Phasedown

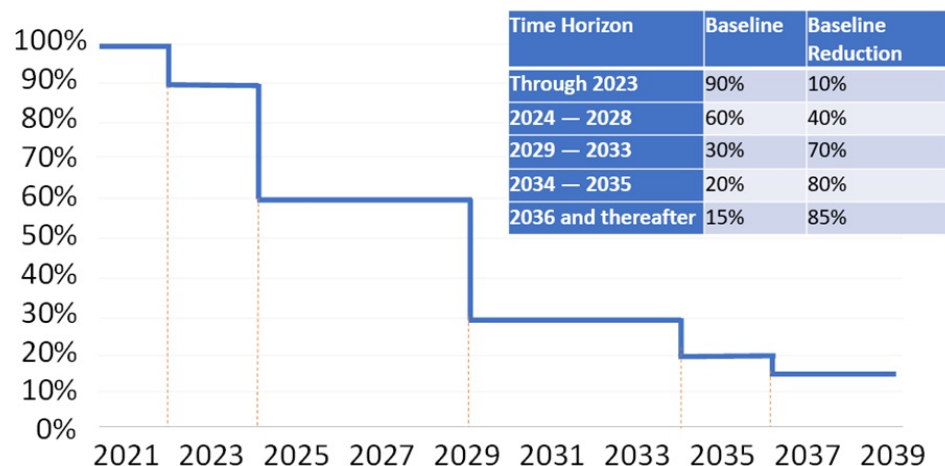
## Stationary HVAC

GWP < 750

## Stationary Refrigeration (> 50 lbs.)

GWP < 150

## AIM Act HFC Phase Down



**Similar GWP limits were adopted by the U.S. EPA  
under the AIM Act**

# 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.

- Maximize recovery and reclamation
- Increase the adoption of new technologies
- Workforce training and certification recommendations
- Role of incentive funding to transition the market





- **Commercial and Industrial Refrigeration:** funding grants for existing large (> 50 lbs.) facilities to install ultra-low-GWP (< 10 GWP) technologies.
- **Literature Review:** current science on the impacts of degradation products of next-generation synthetic materials.
- **REFRESH Reclaim pilot:** partner program to increase recovery of high-GWP refrigerants from the residential HVAC sector.
- **Risk Assessment:** monobloc air-to-water heat pumps using A3 refrigerants to inform codes and standards setting organizations.
- Additional Sub-Programs Coming Soon!



NORTH AMERICAN  
**Sustainable  
Refrigeration  
Council**

**fripfunding.com**



# Risk Assessment of Residential A3 Air-to-Water Heat Pumps

- **2024 White House/DOE Working Group Goal:** Advance the adoption of ultra-low-GWP refrigerants in HVAC
- **WG Participants:** equipment manufacturers, fire service personnel, industry trade groups, NGOs, researchers, codes and standards organizations, state and federal government
- **FRIP Risk Assessment RFP:** Open September 4<sup>th</sup> – October 3<sup>rd</sup>

ASHRAE Standard 34 Classification

Higher Flammability	A3	B3
Flammable	A2	B2
Lower Flammability	A2L	B2L
No Flame Propagation	A1	B1



# Thank you!

CARB HFC Reduction Program: [HFCReduction@arb.ca.gov](mailto:HFCReduction@arb.ca.gov)

FRIP Incentive Program: [FRIP@arb.ca.gov](mailto:FRIP@arb.ca.gov)  
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