



California's Strategy to Reduce Short-Lived Climate Pollutants

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Outline

- California GHG Reduction Targets
- Importance of SNAP Prohibitions
- CARB's SNAP Regulation





California GHG Emission Reduction Goals





Progress Toward 2020 Target

CALIFORNIA



CALIFORNIA CLIMATE STRATEGY



An Integrated Plan for Addressing Climate Change

VISION

Reducing Greenhouse Gas Emissions to 40% Below 1990 Levels by 2030

GOALS

50% reduction in petroleum use in vehicles



50% renewable electricity





Double energy efficiency savings at existing buildings

Carbon sequestration in the land base





Reduce short-lived climate pollutants

Safeguard California









Short-lived Climate Pollutant Targets (Senate Bill 1383, Lara)

- HFCs and Methane
 040% below 2013 levels by 2030
- Black Carbon (Non-forest)
 50% below 2013 levels by 2030

March 2017



December 2017



Short-Lived Climate Pollutant Reduction Strategy 2017 Climate Change Scoping Plan



Fastest Growing Source of Greenhouse Gases

- Currently 4% of California GHG emissions
- Emissions projected to double over 20 years







Importance of SNAP Prohibitions



California Strategy to Reduce HFCs 40% from 2013 Levels





International & National Efforts



International Phasedown– Kigali Amendment

 Amends the Montreal Protocol
 Signed by over 200 countries, broad industry support
 Begins January 1, 2019
 Not ratified by the United States



- U.S. EPA Significant New Alternatives Policy (SNAP)
 Regulates ODS and their substitutes
 - Prohibited high-GWP HFCs as alternatives became available
 Vacated by Federal Court



Preserving SNAP Benefits

- SB 1013, Lara Backstop all SNAP HFC prohibitions into State law
- CARB's Regulation Preserves emission reductions from sectors with past or shortly upcoming effective dates
- CARB's Future Rulemaking Will cover additional measures identified in the SB 1383 SLCP Strategy approved by Board last year



Global Transition is Underway

- European Union implementing more ambitious HFC measures than SNAP
- Canada recently adopted HFC measures similar to SNAP
- U.S Climate Alliance issued challenge to jurisdictions, businesses, and other actors to bring SLCP commitments to Global Climate Action Summit in San Francisco on September 12-14
- Australia and Japan also have HFC reduction programs
- Affected industries serve global market and are preparing for one solution
- Many manufacturers/users in U.S. have already adopted lower GWP technologies



CARB's SNAP Regulation



Purpose of Proposed Regulation: Backstop Partially Vacated SNAP Rules

- Focus on "end-uses" with past and shortly upcoming compliance dates (an end-use is a specific type of equipment or material)
- Prevent backsliding—most of these end-uses have already transitioned to low-GWP
- Make SNAP prohibitions enforceable in California
- 3.4 MMTCO₂E reduction annually by 2030



Applies Mainly to Equipment Manufacturers





Refrigerated Food Processing & Dispensing Equipment

Supermarket Refrigeration & Remote Condensing Units

Stand-alone Refrigeration Units









Foams



First Prohibitions Start January 1, 2019

End-Use (Equipment or Material)	Prohibition Date for New Equipment and Retrofits	Current Industry Status
Supermarket Refrigeration & Remote Condensing Units	January 1, 2019 (Federal prohibition date was January 1, 2016 - 2018)	Industry has already transitioned
Stand-Alone Refrigeration Units	January 1, 2019 - 2020	Approved alternatives are currently in use in some applications
Refrigerated Vending Machines	January 1, 2019	Approved alternatives available now; preferred alternative not currently allowed in some locations
Refrigerated Food Processing & Dispensing Equipment	January 1, 2021	Approved alternatives are available now
Foams (certain uses)	January 1, 2019 (Federal prohibition date was January 1, 2017)	Industry has already transitioned



Rule Requirements

- Listed HFCs are prohibited in new and retrofit equipment and materials
- Manufacturer recordkeeping
- Disclosure statement certifying that the product uses only compliant substances



Next Steps

- Finalize regulation with 15-day changes
- Implement/enforce regulation January 1, 2019
- Partner with other States
- Continue rulemakings to meet SB 1383 40% reduction target for 2030

