



# HFC PHASEDOWN IN CANADA

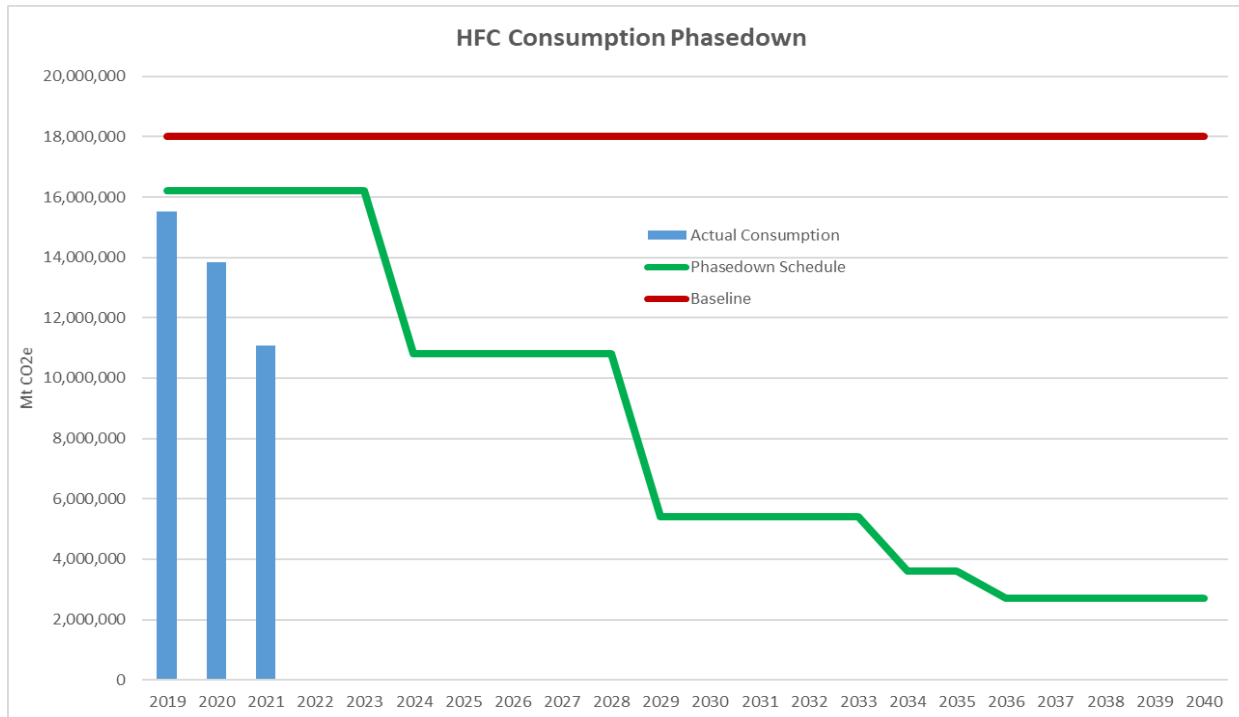
Overview of ECCC's implementation  
of the HFC phasedown

Presentation to HRAI AGM  
September 19, 2022



# HFC PHASEDOWN IN CANADA

- *Ozone-depleting Substances and Halocarbon Alternatives Regulations* (ODSHAR) implement Canada's phasedown of HFCs
- Ensures that Canada meets its international obligations under the **Montreal Protocol**, including the **Kigali Amendment**



Phasedown Schedule	
Year	Reduction
2019	10%
2024	40%
2029	70%
2034	80%
2036	85%

Expected to result in cumulative reductions of **168 Mt CO<sub>2</sub>e** of GHG emissions



# OZONE-DEPLETING SUBSTANCES AND HALOCARBON ALTERNATIVES REGULATIONS

## Prohibitions on Products

- Regulations require certain products containing HFCs to use **climate friendly substitutes**
  - Applies to refrigeration systems, foams and aerosol products<sub>7</sub>

## Permits for an Essential Purpose

- A person may obtain a temporary exemption via an essential purpose permit
- Allows for **flexibility** during transition to lower global warming potential (GWP) alternatives
- Temporary essential purpose permits are considered on a **case-by-case basis** and assessed to ensure the criteria in the Regulations are met



# OZONE-DEPLETING SUBSTANCES AND HALOCARBON ALTERNATIVES REGULATIONS

## Looking forward

- Additional controls on refrigeration products are coming into effect in 2025
  - Chillers, residential stand-alone systems, mobile refrigeration units (e.g. reefers)
- Next reduction of HFC consumption phasedown begins on **January 1<sup>st</sup>, 2024 - 40% reduction** from baseline
- No amendments to the Regulations are currently planned



# HALOCARBON P2 PLANNING NOTICE

- ECCC administers the Pollution Prevention Planning Notice (P2 Notice) for halocarbons
- Applies to most companies **importing** or **reclaiming** over 100kg/year of refrigerant and requires the implementation a pollution prevention plan to manage refrigerants at end of life
- Most companies subject to the P2 Notice participate in **RMC stewardship program** to fulfill their obligations
- Companies implementing their P2 plan contributed to prevent the release of approximately 2.5 Mt of CO<sub>2</sub>e



# FEDERAL PROVINCIAL AND TERRITORIAL WORKING GROUP ON HALOCARBONS

- ECCC chairs the working group and every **province** and **territory** are represented on the working group
- Coordinate the implementation of nationally consistent measures to prevent releases of ODS and halocarbon alternatives
- Share information on implementation of respective regulations and to discuss issues related to alignment and of **national interest**
- Group also **engages** with industry participants such as HRAI to inform the working group of developments across various sectors



# GHG OFFSET CREDIT SYSTEM

- [Canada's Greenhouse Gas Offset Credit System](#) was launched in June 2022 as part of Canada's 2030 Emissions Reduction Plan
- Encourages businesses, communities and industries to undertake innovative projects that reduce greenhouse gases (GHG)

## REDUCING GHG EMISSIONS FROM REFRIGERATION SYSTEMS PROTOCOL (IN DEVELOPMENT)

- Provides **incentive** for transition to low-GWP refrigerants and to reduce HFCs leaks in **commercial and industrial** facilities
  - Ex. grocery stores, cold storage or food processing facilities
- Projects must exceed minimum requirements of the ODSHAR and other regulatory limits in the jurisdiction where project is located
- Draft protocol published for consultation in January 2022 and currently being **finalized** prior to its publication



# CONTACT INFORMATION

- ODSHAR, P2 Plan, Ozone Layer Protection Programs  
[halocarbures-halocarbons@ec.gc.ca](mailto:halocarbures-halocarbons@ec.gc.ca)

Michel Gauvin, Head – Ozone layer protection programs  
[michel.gauvin@ec.gc.ca](mailto:michel.gauvin@ec.gc.ca)

- GHG Offset Credit System: Refrigeration Protocol  
[creditscompensatoires-offsets@ec.gc.ca](mailto:creditscompensatoires-offsets@ec.gc.ca)





# LINKS

- [Ozone-depleting Substance and Halocarbon Alternatives Regulations](#) (ODSHAR)
- [Authorizations issued under ODSHAR](#) (permits and allowances)
- [Halocarbon P2 Performance Report](#)
- [Canada's Greenhouse Gas Offset Credit System - Canada.ca](#)

