



ATMO sphere





HFC Phase-down

Australian and Global Action

Overview

- Global HFC phase-down under the Montreal Protocol
- Australia's phase-down
 - When
 - How
 - How much
- The future

Montreal Protocol HFC Phase-down

- Phase-down of HFC production and imports agreed in Kigali, Rwanda, in October 2016
 - Agreement was by consensus
 - All 197 Montreal Protocol parties are committed to the phase-down
- Agreement strongly supported
 - Proven mechanism
 - Long term certainty
 - Financial and technical support for developing countries

Montreal Protocol HFC Phase-down

- Developed countries
 - Baseline average of HFC imports in 2011-2013 + 15% of HCFC baseline
 - Phase-down starts in 2019 with a 10% reduction
 - 40% reduction in 2024
 - 70% reduction in 2029
 - 80% reduction in 2034
 - 85% reduction in 2036
- Developing countries also take on phase-down obligations

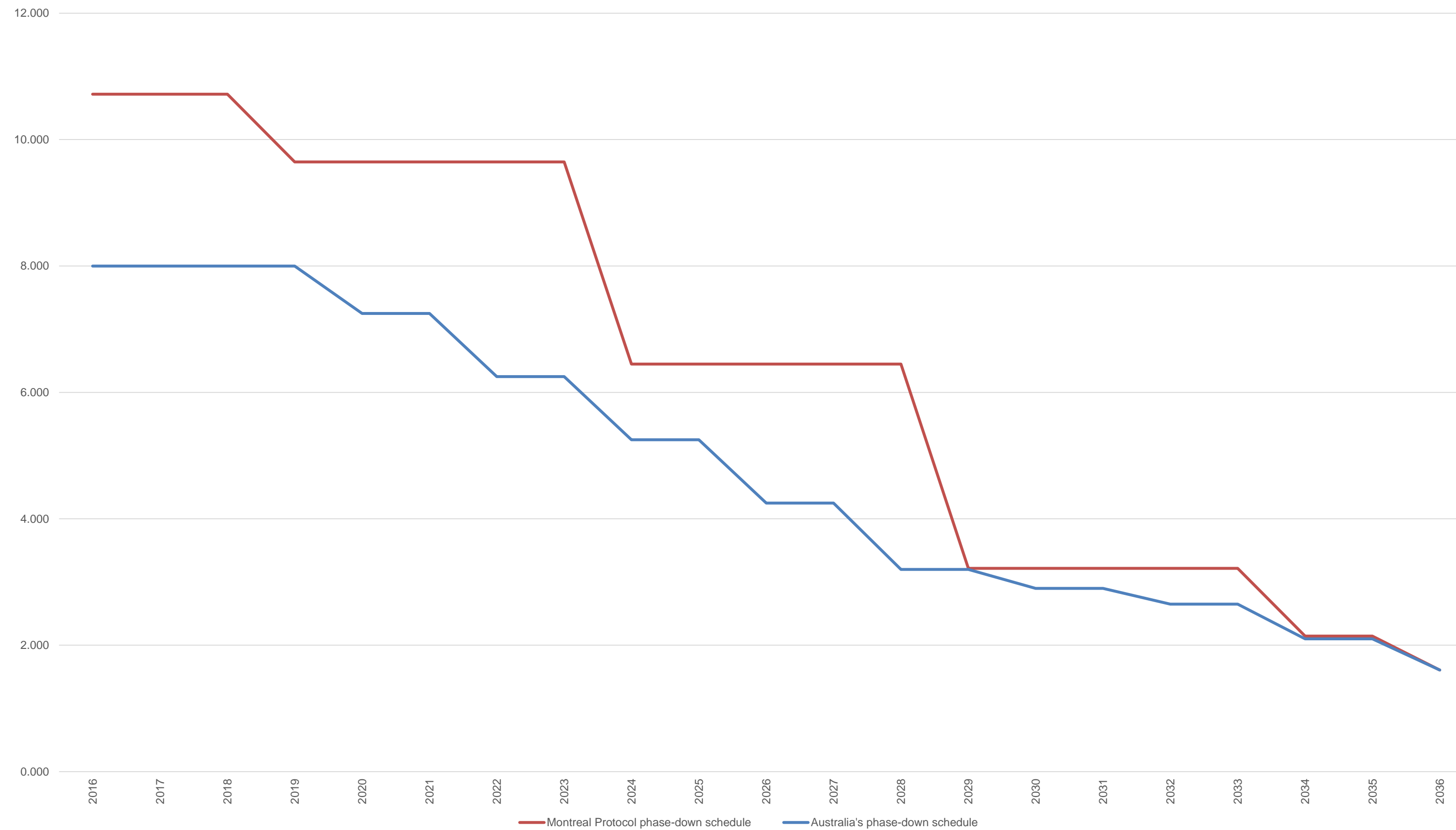
Australia's HFC Phase-down

- Announced by the Government in June 2016
- Import limit of 8.0 megatonnes CO₂e from 2018
 - 25% below Montreal Protocol limit
- Reduction steps every two years
- Reach 1.6 megatonnes CO₂e in 2036
 - 15% of Montreal Protocol limit

Australia's HFC Phase-down

- Applies to bulk gas imports only
 - Equipment accounted for in the country of manufacture
- Implemented through a reducing import quota system
 - 90% of quota to importers between 2009 and 2014
 - 10% open to all applicants
- Provision for bans on new equipment
 - Bans could be used if alternatives are not being introduced into the Australian market

Australia's and the Montreal Protocol's HFC phase-down



The future?

- The government does not pick technology winners
- Australia is largely a technology taker
 - But yes we do innovate!
- Manufacturers will introduce alternatives based on Australia's
 - Climate
 - Regulatory requirements, including energy efficiency
 - Economic factors

The future?

- Australia has a number of advantages
 - High industry standards
 - Skilled workforce
 - Accepting of alternatives
 - Quick to adapt
 - Not captive to particular markets

The future?

- Industry is quick to adapt once the regulatory signal is sent
- The market is constantly evolving
- The rate of change will increase
- Interim solutions versus long term solutions
- Informed consumers
- Demanding consumers
- Change is happening and we all need to be prepared



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Thank you very much!

