

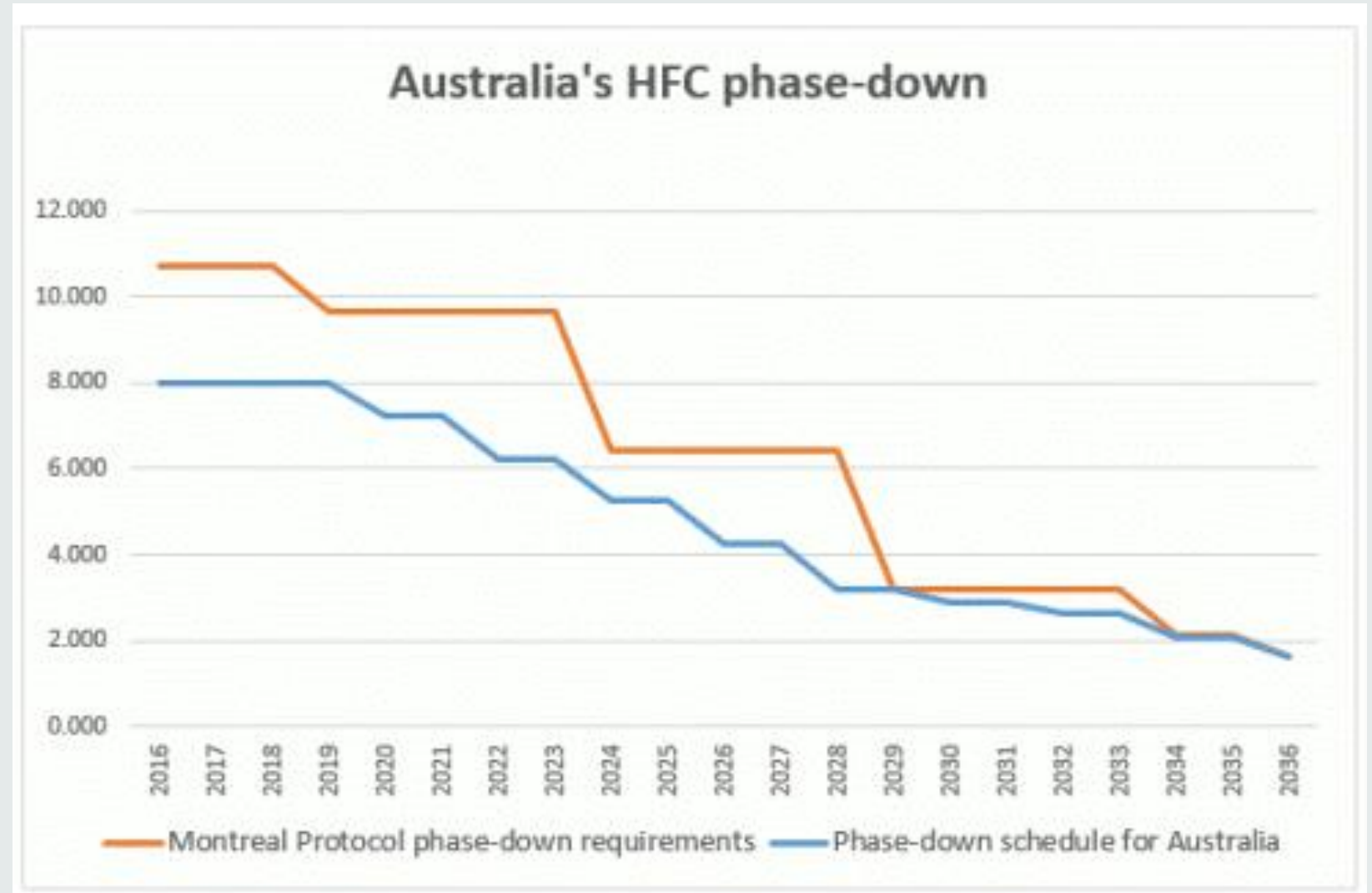


**Interventions in the demand side that match the
supply side for sustainable HFC phase-down**

The Australian experience

Montreal Protocol is about limiting supply of controlled chemicals through reducing the production and imports.

Our phasedown:



Supply and demand:

The chart displays the projected phase-down of HFCs and GWP-weighted emissions from 2022 to 2036. The total emissions line (yellow) starts at approximately 9.8 in 2022, drops to 6.5 in 2024, rises to 6.5 in 2028, drops to 3.3 in 2029, and ends at 1.5 in 2036. The phase-down line (grey) starts at 6.3 in 2022, drops to 5.2 in 2024, rises to 5.2 in 2025, drops to 4.2 in 2026, rises to 4.2 in 2027, drops to 3.2 in 2028, rises to 3.2 in 2029, drops to 2.9 in 2030, rises to 2.9 in 2031, drops to 2.7 in 2032, rises to 2.7 in 2033, drops to 2.1 in 2034, rises to 2.1 in 2035, and ends at 1.5 in 2036. The stacked areas represent different HFCs and GWP-weighted emissions: HFC-134a (light blue), HFC-404A (orange), HFC-410A (pink), HFC-407C (brown), HFC-32 (cyan), HFC-Mix (dark green), GWP <2150 (dark green), GWP <1000 (light green), and GWP <10 (purple).

But if demand outstrips supply, there may be consequences

- Market shortages
- Price increases
- Possible illegal production or imports
- Dissatisfied industry, business and consumers
- Potential for non-compliance with domestic regulations and international obligations



Options to limit demand

- Limit or ban import of **equipment** types with the controlled gases
- Limit GWP for imported **equipment** in selected sub-sectors
- Limit or ban manufacture of **equipment** using high GWP refrigerants
- Incentives to replace high GWP **equipment** with lower GWP equipment
- Encourage **equipment** retrofits where feasible and safe
- Limit domestic use of high GWP used refrigerants
- Encourage re-use of high GWP used refrigerant for a time – then consider ban
- Limit unnecessary destruction of high GWP refrigerant for a time
- legal requirements on some businesses to lower overall GWP of refrigerant
- Increase training for technicians to encourage use of lower-GWP refrigerants
- Mandatory leak detection with mandated timing for fixing leaks
- Set out timetable for new regulations to assist industry to plan ahead