

# International Drivers for HFC Alternatives

John E. Thompson  
Deputy Director  
Office of Environmental Policy  
U.S. Department of State



# Overview

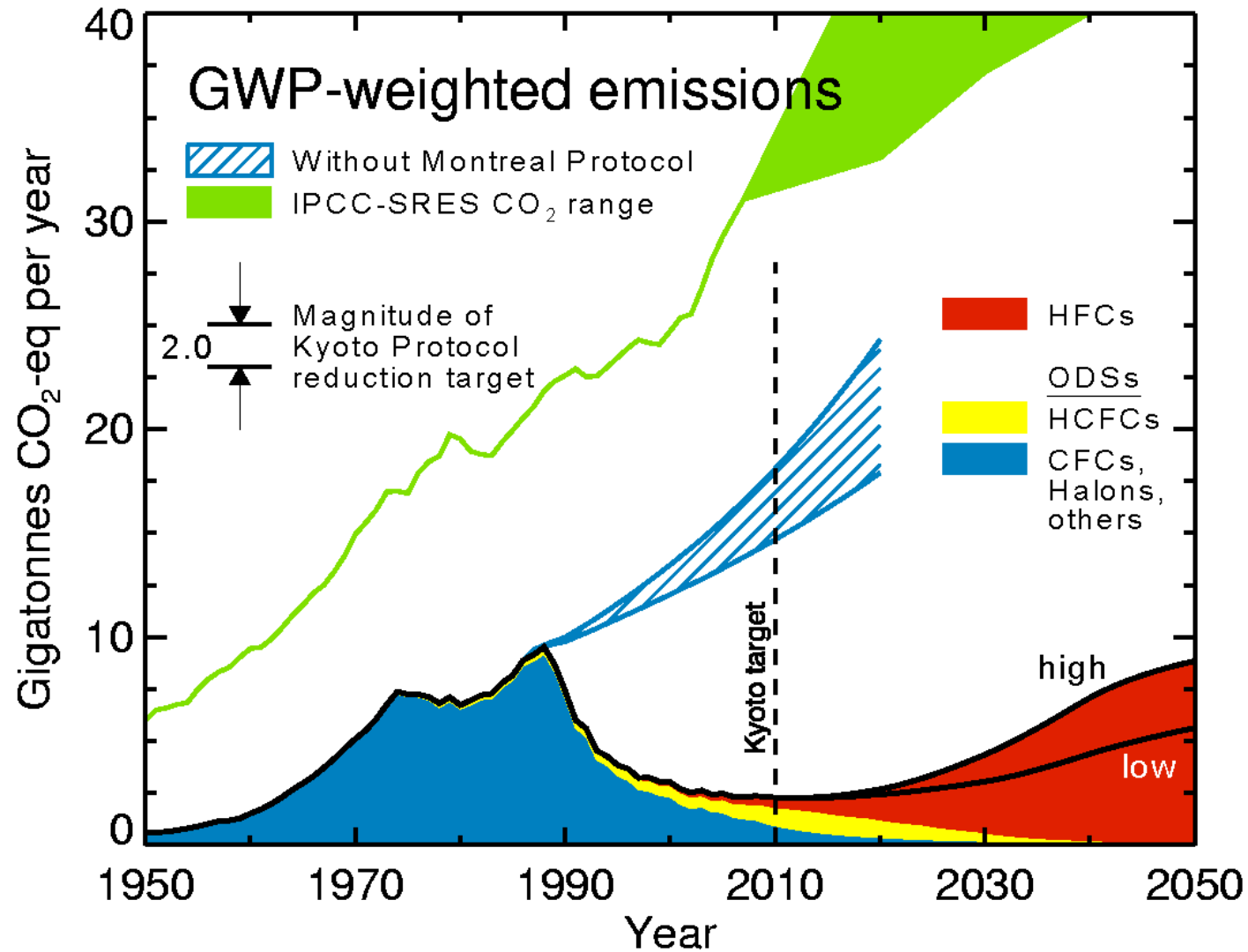
- ODS Sector Perspective
- Montreal Protocol Amendment Proposal
- Climate and Clean Air Coalition (CCAC)



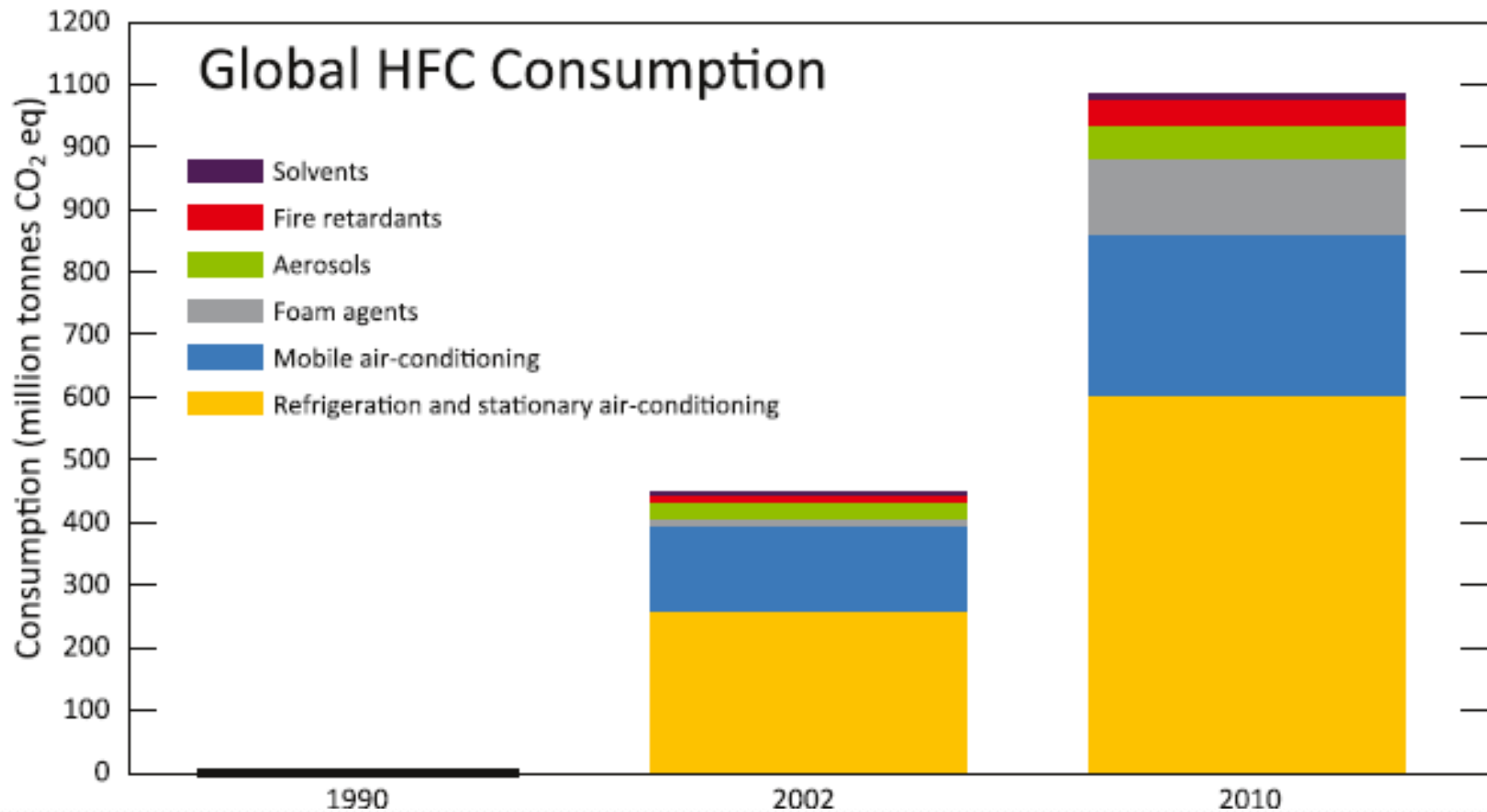
# Montreal Protocol Progress

- Montreal Protocol – establishes phaseout of CFCs and HCFCs for all countries
  - Creates need for ODS alternatives
- Developing countries HCFC obligations
  - 2013 Freeze
  - 2015 10% Reduction Step
  - 2020 35% Reduction Step
  - 2025 67.5% Reduction Step
  - 2030-2040 average 2.5%
- Over 120 Stage I HPMPs and approved

# HFC Emissions Projections (PNAS, 2009)



# HFC Growth Patterns (UNEP, 2011)

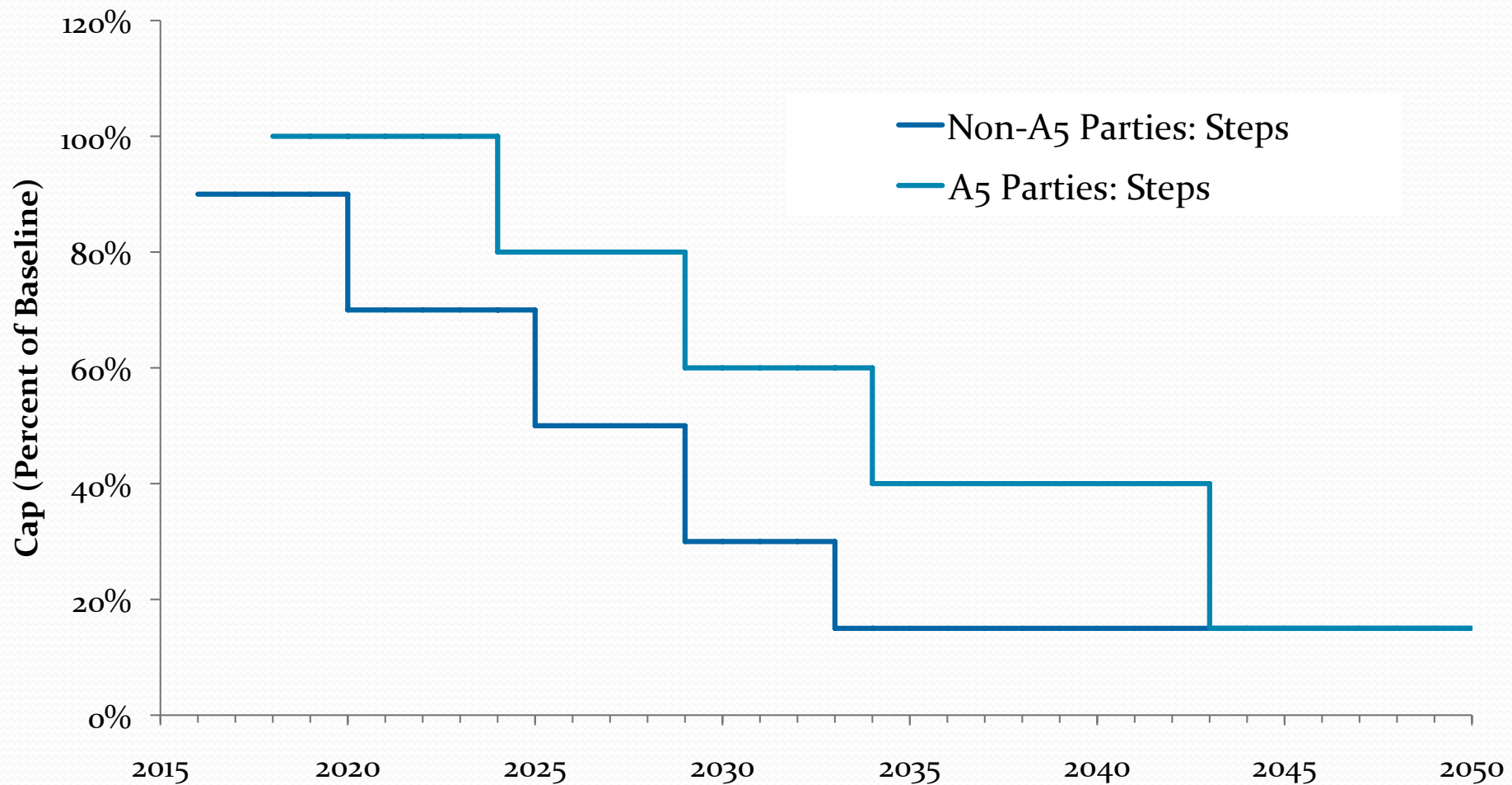




# 2012 HFC Amendment Proposal

- Establishes baseline and obligations for all countries
- Overall Phasedown of 21 HFCs, some low-GWP
- Uses GWP-weighting
- Article 5 Issues
  - Delay in Timing
  - Enables Financial Assistance from MLF
- Includes HFC-23 byproduct provisions
- Discuss at July OEWG and December Meeting of Parties

# Amendment Phasedown Schedule



# Amendment Aspects

- UNFCCC Relationship
  - Does not alter any UNFCCC obligations
  - Supports efforts under UNFCCC
- HFC phase-in direct result of ODS phaseout
- MP Institutions – expertise in same sectors
- MP model works in same sectors
- Implement in Coordination with HCFC phaseout
  - Interdependent Issues





- Objective – accelerate action on near term warming
  - Methane
  - Black Carbon
  - HFCs
- Voluntary Partnership
- Governments, Industry, Civil Society, IGOs
- Complements CO<sub>2</sub> mitigation efforts and UNFCCC
- Complements Montreal Protocol amendment
- Current Partners – 14 + UNEP and World Bank

# HFCs and the Coalition

- First Meeting – April 23-24, 2012, Stockholm
  - Working Group
  - High Level Assembly
- HFCs are agreed Focal Area for Coalition
- Early Stage for Coalition –
  - Work in 2012 to define Coalition HFC actions
  - Technology Conference – July 21-22, 2012 Bangkok, Thailand



# HFC Options for Coalition

- Emissions Inventories
- Technology Enabling & Demonstration
- Private Sector & Government Commitments and Pledges
- Linkages to Energy Efficiency



# Thanks

John Thompson  
U.S. Department of State  
202-647-9799  
ThompsonJE2@state.gov