



F-GAS MANAGEMENT IN VIET NAM AN OVERVIEW OF REGULATORY SYSTEM

Viet Nam – Japan Environmental Week, 12/2021

Division for GHG Emission Reduction and Ozone layer protection, Department of Climate Change

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RATIFICATION AND IMPLEMENTATION OF THE MONTREAL PROTOCOL



1994

- Ratified the Vienna Convention for the Ozone Layer Protection and the Montreal Protocol on ozone depleting substances;
- Adoption of the London and Copenhagen Amendments;



2004

- Adoption of the Beijing and Montreal Amendments to the Montreal Protocol.

NGHỊ QUYẾT
Về việc phê duyệt Bản sửa đổi, bổ sung Kigali thuộc Nghị định thư Montreal về các chất làm suy giảm tầng ô-đôn

Căn cứ Luật Tổ chức Chính phủ ngày 19 tháng 6 năm 2015;
Căn cứ Luật Điều ước quốc tế ngày 09 tháng 4 năm 2016;
Theo đề nghị của Bộ trưởng Bộ Tài nguyên và Môi trường,

QUYẾT NGHỊ:

Điều 1. Phê duyệt Bản sửa đổi, bổ sung Kigali thuộc Nghị định thư Montreal về các chất làm suy giảm tầng ô-đôn.

Điều 2. Bộ Tài nguyên và Môi trường chủ trì, phối hợp với các Bộ, cơ quan liên quan triển khai thực hiện Bản sửa đổi, bổ sung Kigali đã được phê duyệt.

Điều 3. Bộ Công Thương chủ trì, phối hợp với Bộ Tài nguyên và Môi trường và các cơ quan liên quan rà soát đề kiến nghị sửa đổi, bổ sung hoặc ban hành văn bản mới về quản lý xuất khẩu, nhập khẩu các chất hydrofluorocarbon (HFC) nhằm thực hiện quy định của Bản sửa đổi, bổ sung Kigali.

Điều 4. Bộ Ngoại giao hoàn tất các thủ tục đối ngoại theo quy định./.

Nơi nhận:
- Các Thành viên Chính phủ;
- Các Bộ, TSM, NG, TP, CT;
- VPCP, Trợ lý TTG;
- Các Vụ, TH, KGVX;
- Lưu: VT, QHQT(Đ)TA

TM. CHÍNH PHỦ
THỦ TƯỚNG

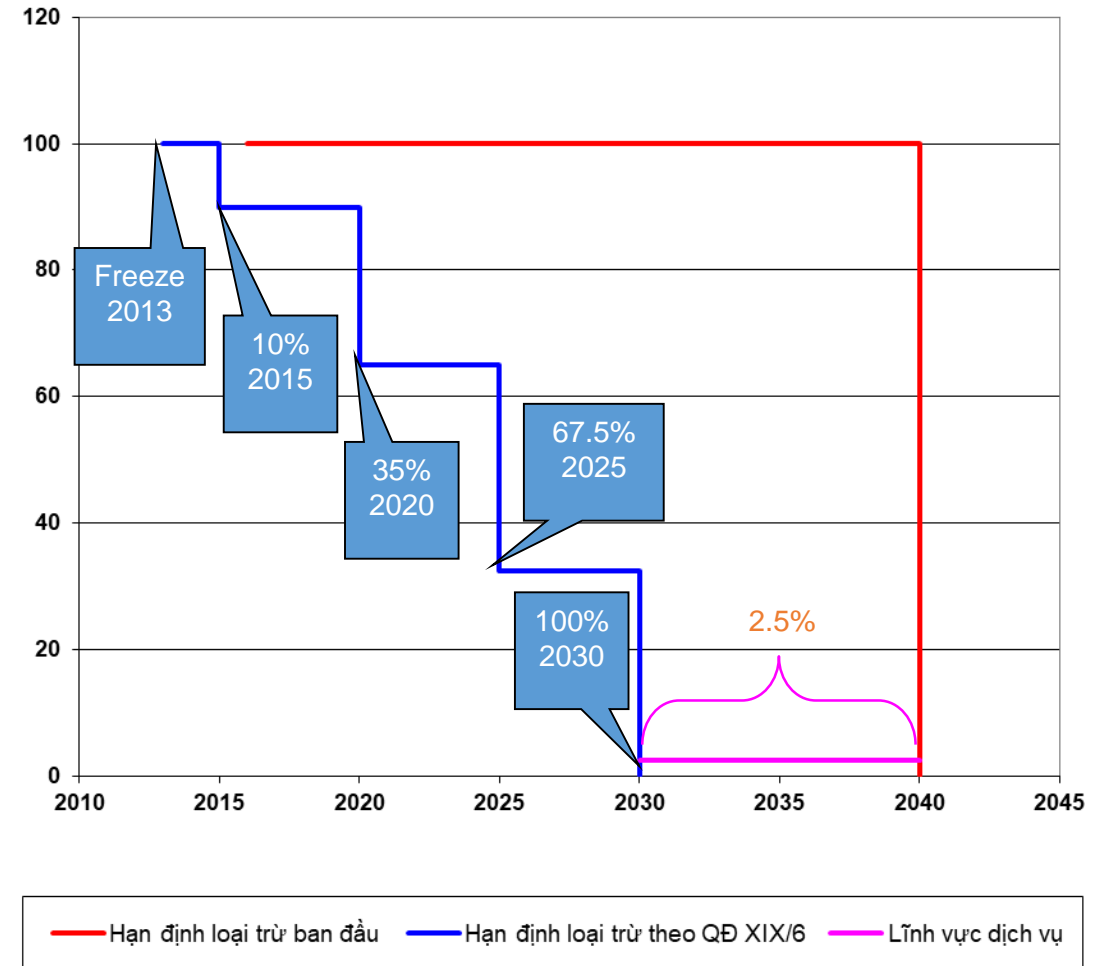
Nguyễn Xuân Phúc

2019

- Adoption of the Kigali Amendment on the exclusion of HFCs (Resolution No. 64/NQ-CP dated September 4, 2019 of the Government)

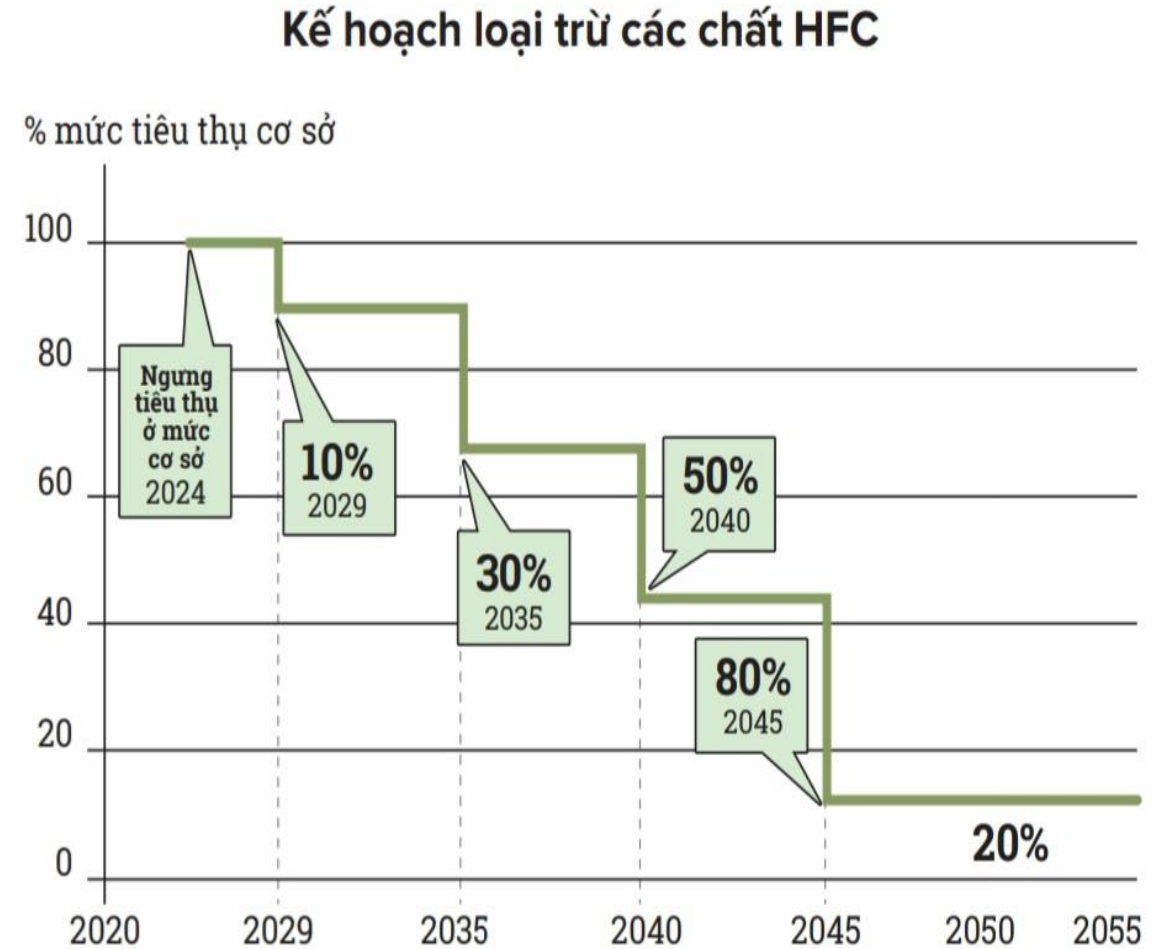
ROADMAP FOR PHASING OUT HCFCs

	Article 5 parties	
Base year	2009 - 2010	
HCFCs baseline	Average consumption between 2009 - 2010	
Roadmap Consumption freeze	2013	
Stage 1	2015	-10%
Stage 2	2020	-35%
Stage 3	2025	-67,5%
Stage 4	2030	-100%
Stage 5	2030-2040	2,5 % for servicing



ROADMAP FOR PHASING OUT HFCs

	Article 5 parties	
Base year	2020, 2021 & 2022	
HFCs baseline	Average consumption of HFCs between 2020 - 2022 + 65% HCFCs baseline	
Roadmap Consumption freeze	2024	
Stage 1	2029	-10%
Stage 2	2035	-30%
Stage 3	2040	-50%
Stage 4	2045	-80%



VIETNAM'S POLICIES ON MANAGEMENT AND ELIMINATION OF HCFCs AND HFCs

2010

- **Completed elimination of CFCs, Halon, CTC;**

2011

- **Joint Circular No. 47/2011/TTLT-BCT-BTNMT dated December 30, 2011 stipulated the management of import, export and temporary import - re-export of ozone-depleting substances according to the Montreal Protocol (10% of baseline consumption);**

2015

- **Prohibition of pure HCFC-141b from January 1, 2015;**
- **Prohibition of Methyl Bromide except for quarantine and sterilization purposes from January 1, 2015**

2020

- **Circular No. 05/2020/TT-BCT dated March 16, 2020 stipulated import quotas for HCFCs for the period 2020-2024 and the licensing of import and export activities of HFCs.**

REGULATIONS AND POLICIES ON ODS MANAGEMENT

- ❑ In 2020, the revised Law on Environmental Protection 2020 stipulates the content of ozone layer protection with specific requirements and responsibilities:
 - Assign the Government to detail a number of contents in Article 92 of the Law;
 - Assign the Minister of Natural Resources and Environment to promulgate a list and guide regulations on collection, recycle, reclamation and use of controlled substances.

- ❑ Decree on GHG reduction and Ozone layer protection and guiding Circular to further detail the Law on Environmental Protection in order to bring these regulations to life.

POLICIES ON MANAGEMENT AND ELIMINATION OF HCFCs AND HFCs

Decree on greenhouse gas emissions reduction and ozone layer protection; Circular elaborating the implementation of a number of articles of the Law on Environmental Protection, expected to take effect from January 1, 2022.



Foam insulation

- Ban on the import of HCFC-141b in pre-blended polyol



Air conditioner R-22

- Ban on the production and import of domestic AC using HCFC-22

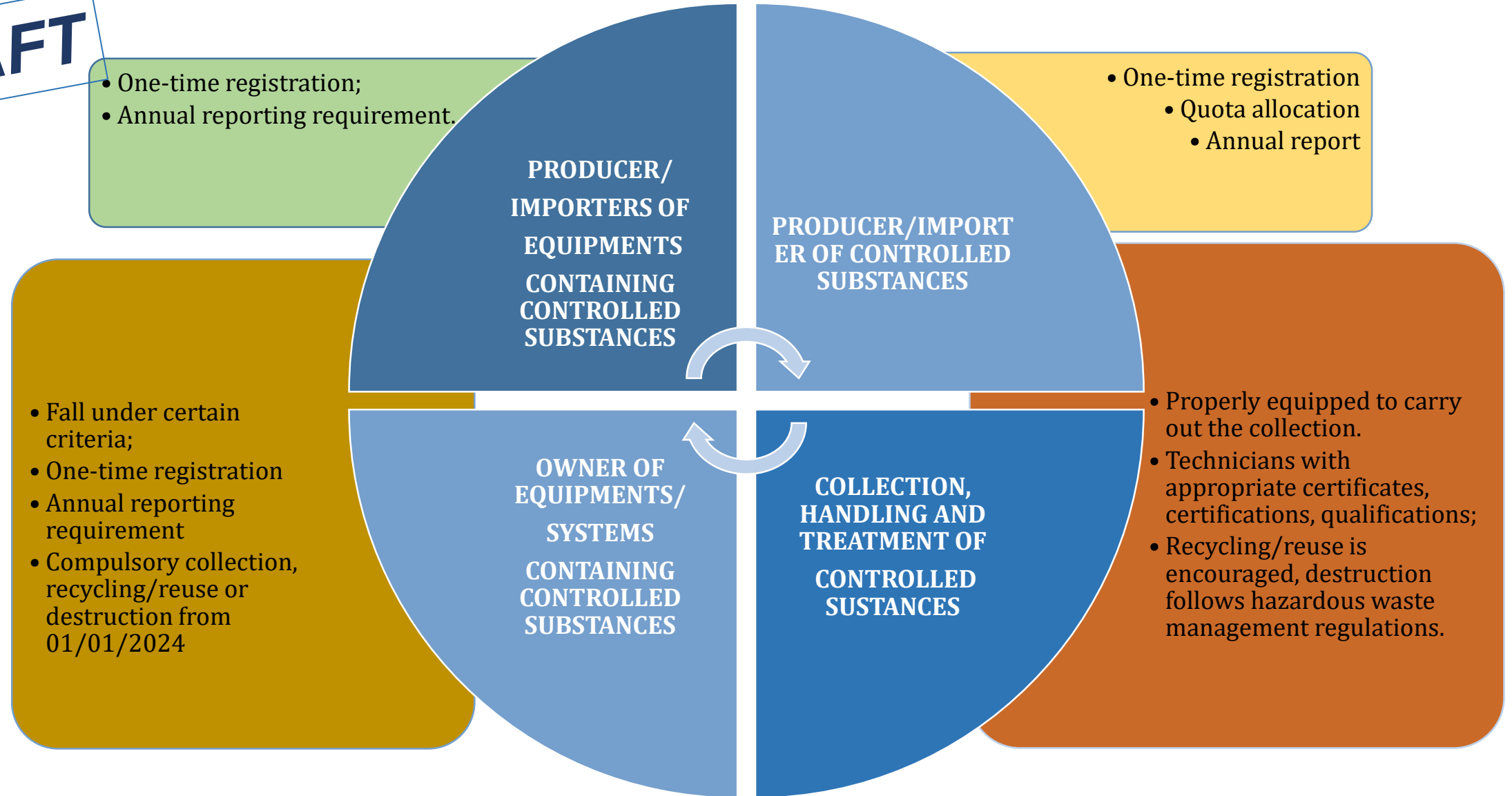


The collection, recycling, reuse and disposal of controlled substances will start from January 1, 2024

- Organizations that manufacture, import and possess equipment containing controlled substances as prescribed, are responsible for collecting those equipment when they are no longer in use;
- The individual possessing equipment containing controlled substances is responsible for transporting those equipment to the collection point when they are no longer in use.
- Encourage recycling and reuse activities; users are required to destroy the devices if they cannot be recycled or reused;
- Collection facilities must have technicians with appropriate diplomas and certificates.

REGULATORY SYSTEM FOR MANAGEMENT OF ODS AND GHG CONTROLLED SUBSTANCES

DRAFT



- **List of controlled substances is being enacted by Minister of MONRE;**
- **Regulations on collection, recycle/reuse and destruction are being developed – expect complete in 2023.**

HYDROFLUOROCARBONS PHASE OUT MANAGEMENT PLAN OF VIETNAM PHASE II



Implement conversion projects

Supporting enterprises to convert to HCFC-22 and HCFC-141b pre-blended polyol free technology; setting up cyclo-pentane blending stations.



Capacity Strengthening (equipments, training)

Supplying teaching tools to vocational schools of refrigeration and air conditioning;
Provide repair and maintenance tools for refrigeration equipment for air conditioning repair facilities;
Training for key trainers;
Training for technicians in the field of repair and maintenance of refrigeration and air-conditioning equipment.



Technical assistance, awareness raising

Evaluation of leak management activities at facilities using industrial refrigeration equipment
Conferences and seminars on eliminating HCFC-22

HFCS PHASE DOWN MANAGEMENT PLAN



Registration

F-gas inventory, registration system and technical assistance to conduct collection, recycling and destruction of controlled substances



Promote sustainable cooling (cold chain, urban cooling,...)



Safety measures, technician qualifications, training and education...

WAYS FORWARD

1. Implement national regulations on ODS and GHG controlled substances; Develop relevant technical guidelines, regulations and technical standards;
2. Support enterprises, sectors in related fields to conduct conversion;
3. Build capacity to enforce regulations on refrigerants recovery, reuse, recycling and destruction of refrigerants;
4. Expand network of TOT and technicians to ensure safe operation and use of refrigerants, not to release to the environment.
5. Exchange information on climate friendly alternatives, technology;
6. Enhance public-private partnership (government agencies, research & training agencies, enterprises) in the life-cycle management and use of refrigerants.



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THANK YOU FOR YOUR ATTENTION!

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