



Overview of Domestic Arrangements in Japan



NDC of JAPAN: All GHG & their sub-targets



- ✓ Japan set a total GHG reduction target & sub-targets for each of the GHGs.
- ✓ It includes 115 Global warming countermeasures for respective sub-targets.
- ✓ It is aligned with the 1.5°C target of the Paris Agreement.

| Greenhouse Gas Emissions and Removal (Unit: million t-CO ₂) | | 2013 Emission | 2030 Emissions sub-target | 2030 Reduction rate sub-target | Number of countermeasures |
|--|-------------------|--|---------------------------|--------------------------------|---------------------------|
| | | 1,408 | 760 | ▲46% | 115 |
| Energy-derived CO ₂ | | 1,235 | 677 | ▲45% | 91 |
| Sector | Industry | 463 | 289 | ▲38% | 29 |
| | Business & others | 238 | 116 | ▲51% | 18 |
| | Household | 208 | 70 | ▲66% | 12 |
| | Transportation | 224 | 146 | ▲35% | 27 |
| | Energy conversion | 106 | 56 | ▲47% | 5 |
| Non-energy-related CO ₂ | | 82.3 | 70.0 | ▲15% | 4 |
| Methane (CH ₄) | | 30.0 | 26.7 | ▲11% | 4 |
| Nitrous oxide (N ₂ O) | | 21.4 | 17.8 | ▲17% | 2 |
| HFCs and other 4 gases (PFCs, SF ₆ , NF ₃) | | 39.1 | 21.8 | ▲44% | 5 |
| Hydrofluorocarbons (HFCs) | | 32.1 | 14.5 | ▲55% | |
| Perfluorocarbons (PFCs) | | 3.3 | 4.2 | +26% | |
| Sulfur hexafluoride (SF ₆) | | 2.1 | 2.7 | +27% | |
| Nitrogen trifluoride (NF ₃) | | 1.6 | 0.5 | ▲70% | |
| Greenhouse gas removals | | - | ▲48 | - | 3 |
| Joint Crediting Mechanism (JCM) | | We aim to achieve international emission reductions and removal in 2030 through public-private partnership. The credits acquired by Japan will be counted appropriately to achieve Japan's NDCs. | | | 1 |

Domestic arrangement to develop NDC



- ✓ In order to achieve net zero emissions by 2050, NDC should have **total GHG reduction target, sub-targets for each of the GHGs, relevant & detailed countermeasures (reduction activities) and Follow-up mechanism** are indispensable.
- ✓ For the ambitious NDC, **domestic arrangement including legal framework & engagement of relevant stakeholders** is indispensable.
- ✓ Specifically, **the relevant line ministries** should be engaged.

Political arrangement

Global Warming Prevention Headquarter

Chair: Prime Minister

Vice Chair: Chief Cabinet secretary

Minister of the Environment

Minister of Economy, Trade and Industry

Member: All Ministers

Technical arrangement

Council for considering NDC

**Member: Academic institute,
Local government,**

**Private company,
other Stakeholders**

Annual Follow-up mechanism

- ✓ The Global Warming Prevention Headquarters tracks progress of the measures taken by the government after checks by experts including stakeholders such as academia, private companies each year, aiming to steadily achieve the target of NDC by implementing countermeasures based on the review.

Plan for Global Warming Countermeasures

- Setting a total GHG reduction target as well as sub-targets for each of the all GHGs
- Developing countermeasures to achieve the target

Review of countermeasures

(every three years)

- Strengthening existing measures
- Additional countermeasures

Implementation

- Implementing each countermeasure

Follow-up (every year)

- Tracking and assessing the progress of each countermeasure for each gas and each sector
- Publishing the results

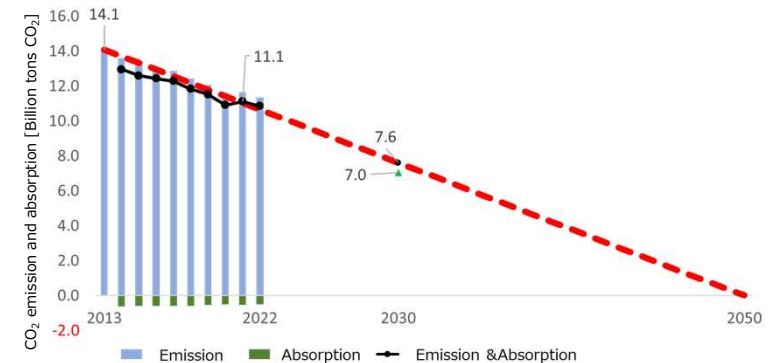


Fig. Progress toward 2050 net zero emissions

Achieving emissions reduction target for 2030 and net zero emissions by 2050

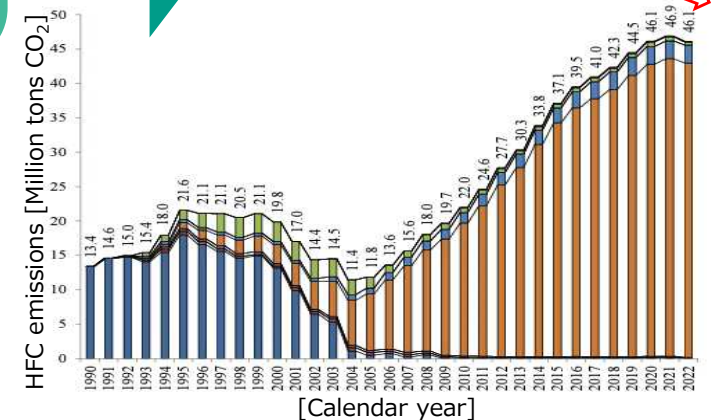


Fig. Trend of HFC emissions