

Subsidy Program for Energy Efficient Showcases Using Natural Refrigerants



Tokyo Metropolitan Government

F-Gases Control by the Tokyo Metropolitan Government

2001.4 Tokyo Metropolitan Ordinance on Environmental Preservation was revised to introduce F-Gas regulation

- Restriction on emissions or leakage of specified substances into the atmosphere
- Reuse or dismantling of specified equipment at the time of maintenance or disposal

2002.4 Recovery and Destruction Law

- Legislation of collectors and provision of guidance under the law

Background:

Steep Increase of HFCs

- Emission of HFCs increased 280% in Tokyo compared to 2000

Unit: Million t-CO₂

	2000	2010	2012 (V.S.2000)
CO ₂	58.9	58.7	65.9 (12.0%)
HFCs	0.7	2.0	2.6 (279.1%)
GHG total	61.8	61.9	69.6 (12.6%)

Background: Revised Fluorocarbons Law and The Barriers It Faced

◆ Revised Fluorocarbons Law

- " Rationalized Use" and "Proper management"

• Rationalized Use

- Promoting appliances using natural refrigerants
《Barrier》 High initial cost

• Proper management

- Preventing the leakage of fluorocarbons
《Barrier》 Rising awareness among users

Aims of Subsidy Program

- To promote natural refrigerant refrigeration equipment in Tokyo, which is the largest market in Japan



- To limit F-Gas emissions into the atmosphere
- To gain higher recognition of equipment using natural refrigerants

Subsidy Details (FY2014)

① Target of the subsidy

- Small and mid-sized or sole business operators
- Equipment covered by the subsidy
- Energy efficient showcases using natural refrigerants

② Conditions for the subsidy

- Replacement of the equipment,
- Expiration of the legal durable years,
- Posting of a non-Freon sticker (at a readily visible location of the showcase or store entrance), etc.

Subsidy Details (2014)

④ Cost covered by the subsidy

- Cost for the installation of equipment covered by the subsidy (including construction cost)

⑤ Amount of the subsidy and amount limit

- One third of the cost covered by the subsidy

⑥ Application period

- Jul. 1, 2014–Feb. 27, 2015

**※ Budget scale: JPY200mil/Year
(Worth of nearly 30 units)**

Future F-Gas Policy by TMG

- **Filling and recovery business operators**
 - Additional review for filling operators,
 - Advice and guidance through on-site investigations
- **Thorough provision of information to supervisors**
 - Provision of information using brochures for supervisors,
 - Advice and guidance through on-site investigations
- **Support for installation of refrigeration systems using natural refrigerant**
- **Review of and cooperation with Japanese national government on non-Freon stickers**

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