

MOEJ Projects to Promote the Introduction of Energy-Efficient Refrigeration Technologies that Use Natural Refrigerants (FY 2008 to FY 2012)

Introduction

Freezing/refrigeration equipment and air-conditioning systems are widely used in retail shops, factories, logistics centers, etc. In the recent years, new developments have been made in these sectors and the new equipment that is both energy-efficient and free from CFC, HCFC, or HFC, which are potent GHGs.

The Ministry of the Environment of Japan (MOEJ) has been providing financial assistance to the projects to introduce energy-efficient freezing/refrigeration equipment that uses natural refrigerants on the occasions of renewing the existing facility or newly building a new facility with a view to reducing the energy consumption in the operation of these facilities, CO₂ emissions from the energy consumption, and emissions of CFC, HCFC, and HFC at the same time.

Subsidiary Rules

1. Eligible applicants for subsidy: Private companies
2. Projects eligible for subsidy: Projects to introduce energy efficient freezing and/or refrigeration equipment that uses natural refrigerants or similar equipment
3. Subsidization ratio: A maximum of one third of the cost incurred for the introduction of the eligible equipment that is incremental to the cost of the comparable HFC-based equipment, including the installation cost.

The following pages introduce 9 exemplary projects using different technologies in different situations in Japan.