



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



SUSTAINABLE DEVELOPMENT GOAL 9
INDUSTRY, INNOVATION AND INFRASTRUCTURE

Replacement of Old and Inefficient Appliances in the Residential Sector in Mexico.

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**OZONE · UNIDO · CLIMATE
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Vienna Talks 13 – 15 June 2017





Efficient lighting and appliance Project in Mexico

The Project comprised two main components:

Component 1: Replacement of Incandescent Bulbs (IBs) with Compact Fluorescent Lamps.

Component 2: Incentives to encourage Replacement of Old and Inefficient Appliances in the Residential Sector.

Under “Cambia tú Viejo por uno Nuevo Program,” the Trust fund for the Energy Savings in México (FIDE) received a line of credit allowing it, in turn, to extend credits to low-income families to replace old and inefficient appliances.

Outcomes

- Replacement of **1,884,129** inefficient appliances, approximately 90 % refrigerators and 10 % air conditioners.
- The program also included a comprehensive **ecological strategy** to collect and then destroy the old appliances in specialized centers at which the refrigerant gases could be confined and the materials generated could be reuse. The project's benefits thus extended to **creating new jobs at these collection centers**. Some centers continued in operation after the project closed by offering their services to commercial and industrial customers.
- The **national standard** for energy efficiency on refrigerators and freezers **was updated in 2012**.



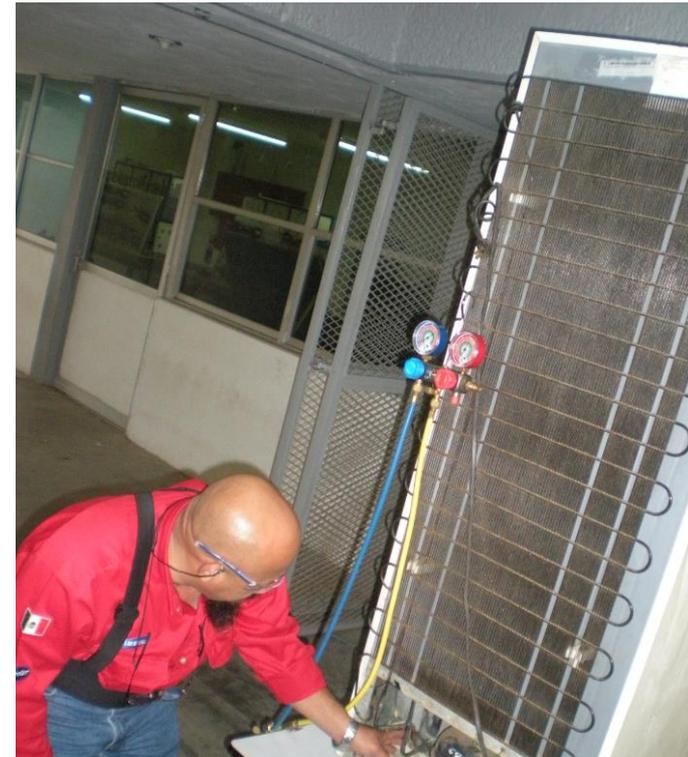
Meet key energy-saving targets:

- It contributed to energy savings of **9,242 gigawatt hours**.
- Project-supported activities captured and stored or destroyed approximately **147,000 kilograms** of ozone-depleting refrigerant gases (R12, R22, and R134a).
- Emissions of **5,074,000 tonnes** of carbon dioxide equivalent were avoided.
- At the peak of appliance replacement, approximately **100 scrapping** facilities were operating, contributing to job creation throughout Mexico.



Moving Forwards: Promotion of installation of new efficient technologies

Pilot project to support the appliance substitution FIDE that would imply the support for the substitution of about 8,000 old domestic refrigerators free HCFC and HFC for new efficient ones, recovering the gases and disposing all the elements under the national regulations. With this pilot, Mexico can start a general program for the substitution of old appliances in whole country.





Thank you for your attention!



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