



# **Mexico's Efficient Lighting and Appliance Replacement Policy**

Geneve, Switzerland, October 2014.

## Mexico's National Development Plan 2007-2012

“The advocacy efforts of more energy-efficient appliances and lighting technologies should be increased.”

## National Sustainable Energy Use Program 2008-2012

Considered as one of its goals, to promote energy efficiency in the residential sector mainly lighting and appliances.



*Lighting*

*Appliances*

- ✓ **NOM-028-ENER-2010.** (The **Official Mexican Standard**) Energy efficiency lamps for general use. Incandescent Bulb (IB) being phased out and could not be merchandise.

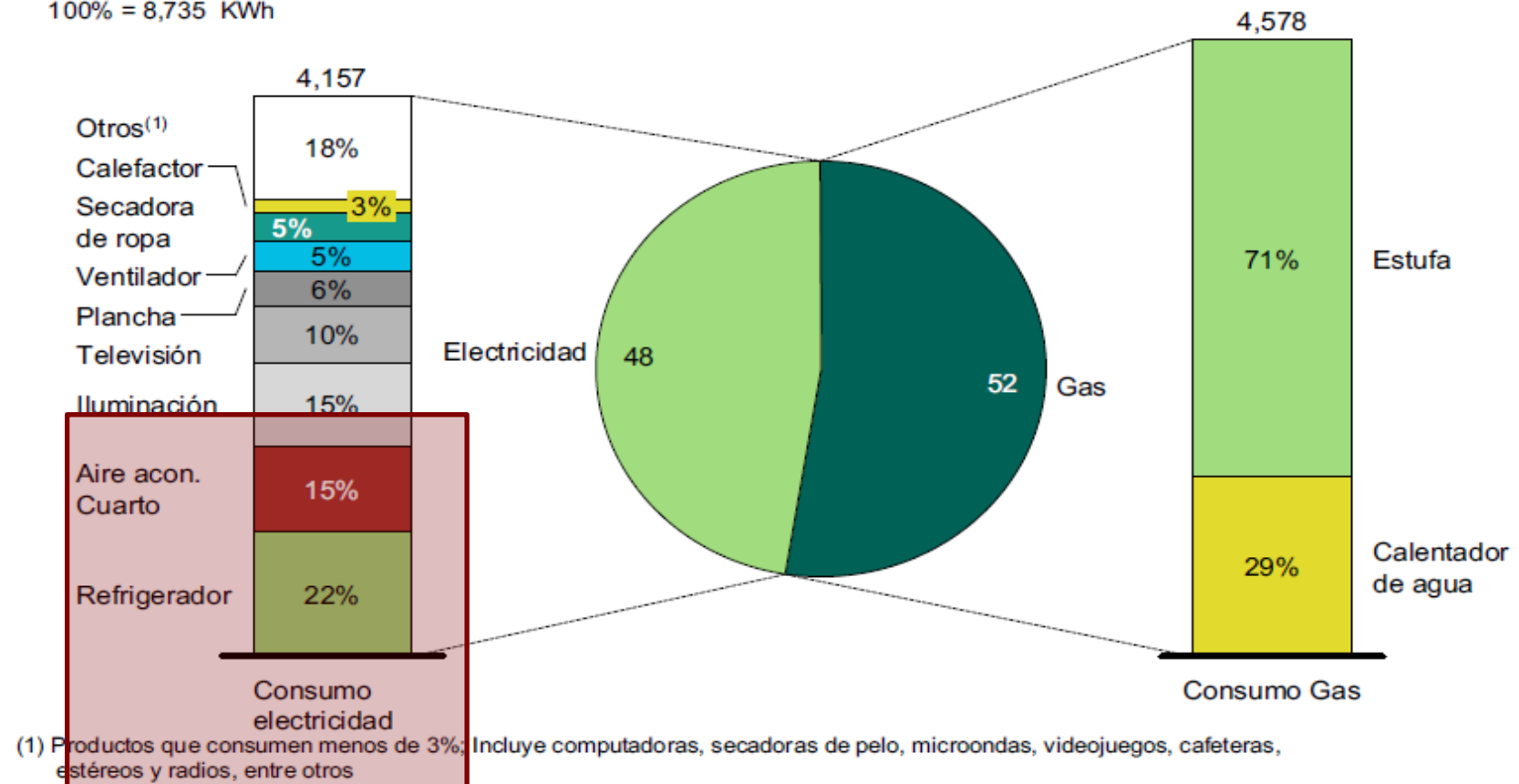
- ✓ **January 7th, 2009.** The **National Agreement to Support Households Economies and Employment** was signed to implement the Energy Efficiency Replacement Appliance Program.

# Background

The National Commission for the Efficient Use of Energy, CONUEE, identified in 2008 that **more than 50% of residential electricity consumption in Mexico came from lighting, refrigeration and air conditioning.**

## KWh

100% = 8,735 KWh



# Mainly Energy Efficiency National Programs

## Sustainable Lighting Program (2009 - 2012)

### Support



*Replacement of incandescent light bulbs with more efficient, environmentally-friendly ones – compact fluorescent lamps, better known as energy-saving light bulbs.*

## Appliances Replacement Program (2011- 2012)

### Loans



Replacement of a working refrigerator or air conditioning with at least 10 years old with a new appliance and more energy efficient of the same type.

# Institutions and organisations that participate in the EE Programs



**Ruling Federal  
Institution**



**Implementation and  
administration of the direct  
cash payments**



**Financing  
National  
Development  
Bank.**



**Operating Institution**

**Retailer stores**

**Promote energy efficiency appliances,  
support in the delivery and installation of  
the new products.**

**Collection and Distruction Facilities  
C&DF**

**Companies in charge of dismantling and  
destroying old appliances collected.**

# Mainly National Energy Efficiency Programs 2012-2018

## Programs that continue:

- ✓ **Incandescent Light Bulb Replacement National Program - Rural Zones-**

*Operating*



- ✓ **Energy Efficiency Refrigerator Replacement Program – Phase 2-**

*Planning*

## New Programs

- ✓ **Energy Efficiency in Cities**
- Operating*
- ✓ **Energy Efficiency in Enterprises**
- Planning*

# Incandescent Light Bulb Replacement National Program

In towns up to 100,000 inhabitants (Rural Zones)

- **Target:** 6,400,000 families
- **CFL:** 5 CFLs per family
- **Total CFLs:** 32,000,000
- **Program launched in 2014**

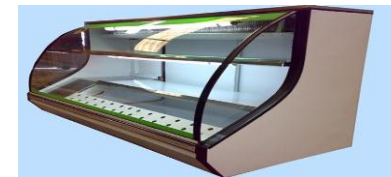


# Energy Efficiency in Enterprises

A Program designed to support the industrial national sector including SMEs (Small and Medium Enterprises) through financing schemes with attractive rates. It considers the replacement of old appliances for efficient ones fulfilling standards established in the PAEEEM (Enterprise's Energy Efficiency Financing Program).

## Financing New Technology

- ✓ Air conditioner (1.5 TR)
- ✓ Efficient Lighting
- ✓ LED Lighting
- ✓ Commercial Refrigerators
- ✓ High Efficiency Motors
- ✓ Electrical Power Substation
- ✓ Capacitor Banks





# Energy Efficiency in Cities - TRACE

The Ministry of Energy considered as a part of his Energy Transition Strategy to establish a public policy project into three phases:

1. **Diagnostics for Energy Efficiency in 32 municipalities of the country (TRACE – ESMAP).**  
 
2. **Policy and institutional strengthening.**
3. **Support to implement energy efficiency measures**

The diagnostic for Energy Efficiency phase began to be held from August this year with the support of World Bank.

The Ministry of Energy seeks international cooperation partnerships to promote the efficient use of energy in the cities/municipalities of Mexico, specially in phases 2 and 3.

# Diagnostics for Energy Efficiency in 32 municipalities of the country (TRACE – ESMAP).

## Evaluating Energy Efficiency Opportunities in 6 Municipal Sectors (TRACE)

➡ 1. Transport

➡ 2. Buildings

➡ 3. Public Lighting

➡ 4. Water & Wastewater

➡ 5. Power & Heating

➡ 6. Solid Waste



THANKS !  
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