



Energy Efficiency Standards in Mexico



2025
Año de
La Mujer
Indígena

November 2025

Energy Efficiency Standards in Mexico

1989: The National Commission for Energy Conservation (CONAE)

- Conae was established on September 28, 1989, by a presidential decree, as an Intersecretarial Commission.
- **One of its first mandates was standardization for energy efficiency.**

Its mission was to serve as a technical advisory body.



2025
Año de
La Mujer
Indígena



2008: Creation of CONUEE

- In 2008, the Law for Sustainable Energy Use (LASE) created the **Nacional Commission for the Efficient Use of Energy (CONUEE)**
- **Energy Transition Law (LTE):** Published in December 2015. Add planning functions to CONUEE (Now *Energy Transition and Planification Law [LTPE]* published in April 2025).
- CONUEE is currently the agency responsible for drafting mandatory technical regulations on energy efficiency (NOM-ENER).



In Mexico exists 33 active NOM-ENER

27
NOM-ENER
for products



6
NOM-ENER
for systems



 The NOM-ENER are standard that lead to new products and systems becoming increasingly efficient

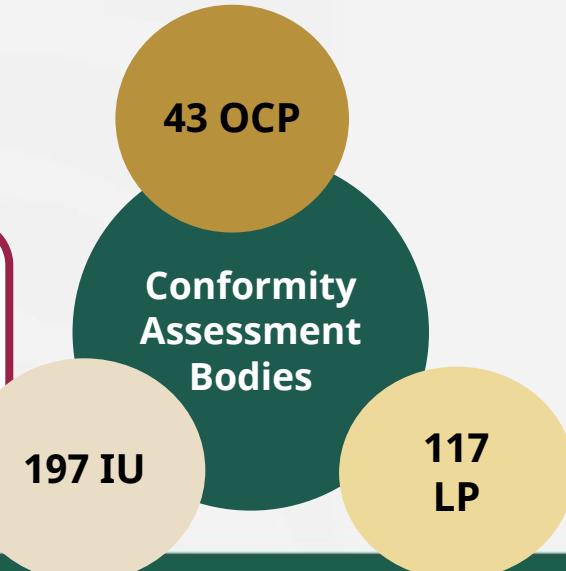
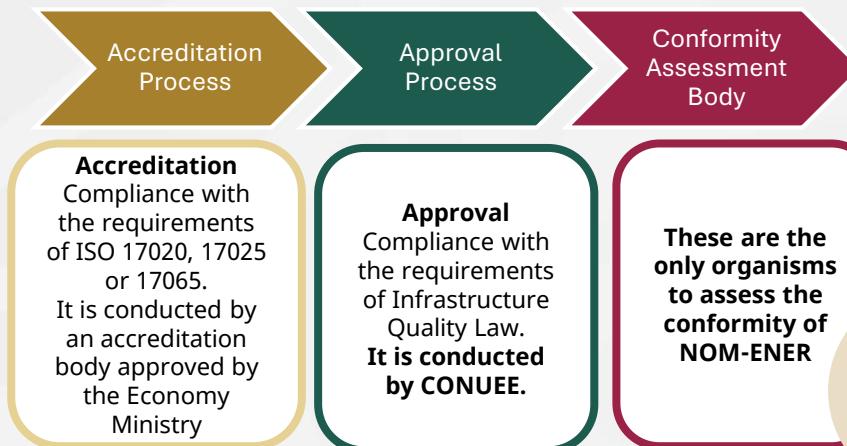


2025
Año de
La Mujer
Indígena

Conformity Assessment Bodies

Their function is to **assess the conformity of a product or system** according to a specific standard. In the case of NOM-ENER for products, Testing Laboratories (LP) carry out the tests and Product Certification Bodies (OCP) ensure compliance with the Conformity Assessment Procedure (PEC).

In case of NOM-ENER for systems, the Inspection Bodies (UI) evaluate the systems by in situ verifications





Program "Change your old one by new one" "Cambia tu viejo por uno nuevo" (2009-2010)

Criteria:

- ✓ Term 4 years with rate and fixed payments
- ✓ Bonus up to USD\$150 and financing up to USD\$725

Main results:

- ✓ In just 22 months, more than 939 thousand were replaced (375 million dollars).
- ✓ Support for the family economy: the credit is almost amortized with the savings on the electricity bill
- ✓ Reduction of subsidies in electricity rates
- ✓ Support for the commercial and productive sector



9 % window type air conditioner (NOM-021-ENER/SCFI/ECOL-2008 y NOM-023-ENER-2010) split air condition (on/off)



91% Refrigerators (NOM-015-ENER-2002)



2025
Año de
La Mujer
Indígena

Estimated savings:

- ✓ 823.1 GWh
- ✓ Emissions avoided 549.3 Miles tCO₂, 1.5 Million barrels of oil not consumed

Evolution of Energy Efficiency Standards for Refrigerators (NOM-015-ENER-2018)

25 years ago, a new medium-sized refrigerator consumed **1,200 kWh/year**

Today, an average household in a temperate climate consumes **1,000 kWh/year**.

