



Energía
Secretaría de Energía

CONUEE

COMISIÓN NACIONAL PARA EL
USO EFICIENTE DE LA ENERGÍA

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.



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 establishes the minimum or maximum energy consumption of the products or systems.



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

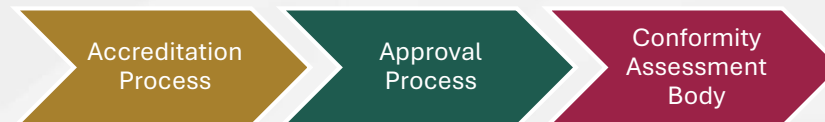


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Conformity Assessment Bodies

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



Accreditation
Compliance with the requirements of ISO 17020, 17025 or 17065. It is conducted by an accreditation body approved by the Economy Ministry

Approval
Compliance with the requirements of Infrastructure Quality Law. It is conducted by CONUEE.

These are the only organisms to assess the conformity of NOM-ENER

197 IU

43 OCP

**Conformity
Assessment
Bodies**

117
LP



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)



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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**.

