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Enhancing the Impact of Energy Efficiency and Renewable Energy Policies: Building Systems

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LEGAL FRAMEWORK

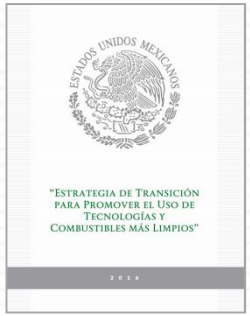
ENERGY TRANSITION LAW
(DEC/24/2015)

OBJECTIVES

- SUSTAINABLE USE OF ENERGY
- GRADUAL INCREASE OF CLEAN ENERGIES
- REDUCE THE GENERATION OF POLLUTING EMISSIONS
- ALIGNMENT WITH EXISTING INSTRUMENTS SUCH AS ELECTRIC INDUSTRY LAW (LIE) AND GENERAL LAW ON CLIMATE CHANGE (LGCC)

POLICY INSTRUMENTS (CONSULTATIVE COUNCIL)

ESTRATEGY



02/DEC/2016

SPECIAL PROGRAMS



19/JAN/2017



31/MAY/2017

- Transition strategy to promote the use of cleaner fuels and technologies
- National Program for the Sustainable Use of Energy
- Special Program of the Energy Transition

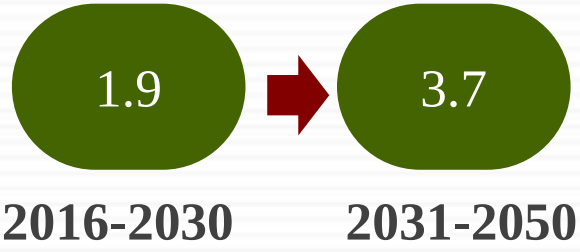
Legal Framework

Transition Strategy: Goals

Clean energy (% of total electricity generation)



Energy Efficiency (Average annual rate of reduction of final energy consumption intensity- %)



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The Roadmap

	Strategic Framework Recommendations
Governance	1. Governance of building energy codes and standards
	2. Building energy codes and standards
	3. Cross-government policy relations and agreements
	4. Standards and labels for air conditioning equipment
Capacity Building	1. Public awareness programmes
	2. Awareness of energy efficiency for local governments
	3. Certification of installers of air conditioning equipment
	4. Promotion of pilot projects in municipalities
	5. Implementation of R&D programme for development of new technologies
	6. Data collection of buildings and systems characteristics
Policy & Programme	1. Removal of energy subsidies
	2. Third party system for enforcement of building energy codes
	3. Public procurement
	4. Building performance certificates and benchmarking
	5. Incentives for compliant municipalities
	6. Improve NMXs incorporation in NOMs
	7. Energy efficiency plans, audits and managers for buildings
	8. Energy efficiency label for buildings
	9. Financial incentives for energy efficient buildings

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The Roadmap

- Population growth, increasing urbanization and economic development will increase energy demand in buildings in Mexico
  - In 2017 buildings accounted for about 20% of final energy consumption
- The fulfillment of the goals of energy efficiency established by the LTE through the Transition Strategy
- It facilitates the alignment, conduction and implementation of a number of policy actions that have already been carried out in the field of energy efficiency in buildings

The Roadmap

Objectives:

To collaborate with the government and other stakeholders ***to build market confidence and provide a long-term strategy***

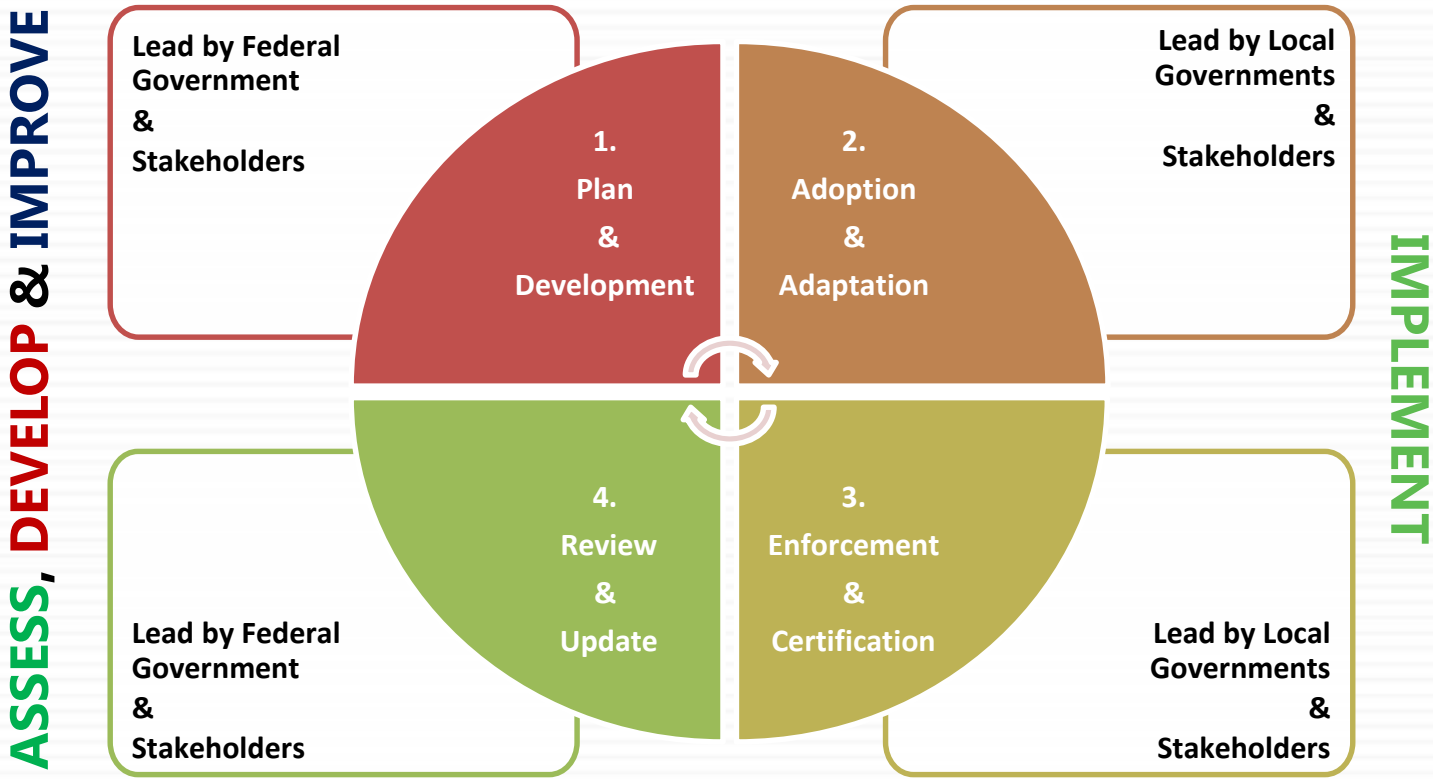
To help provide ***coherence, commitment, clarity and long-term stability*** *in policies to promote energy efficiency in buildings*

To get an ***agreement with the building industry and other interested entities*** *on the future of energy efficiency in buildings*



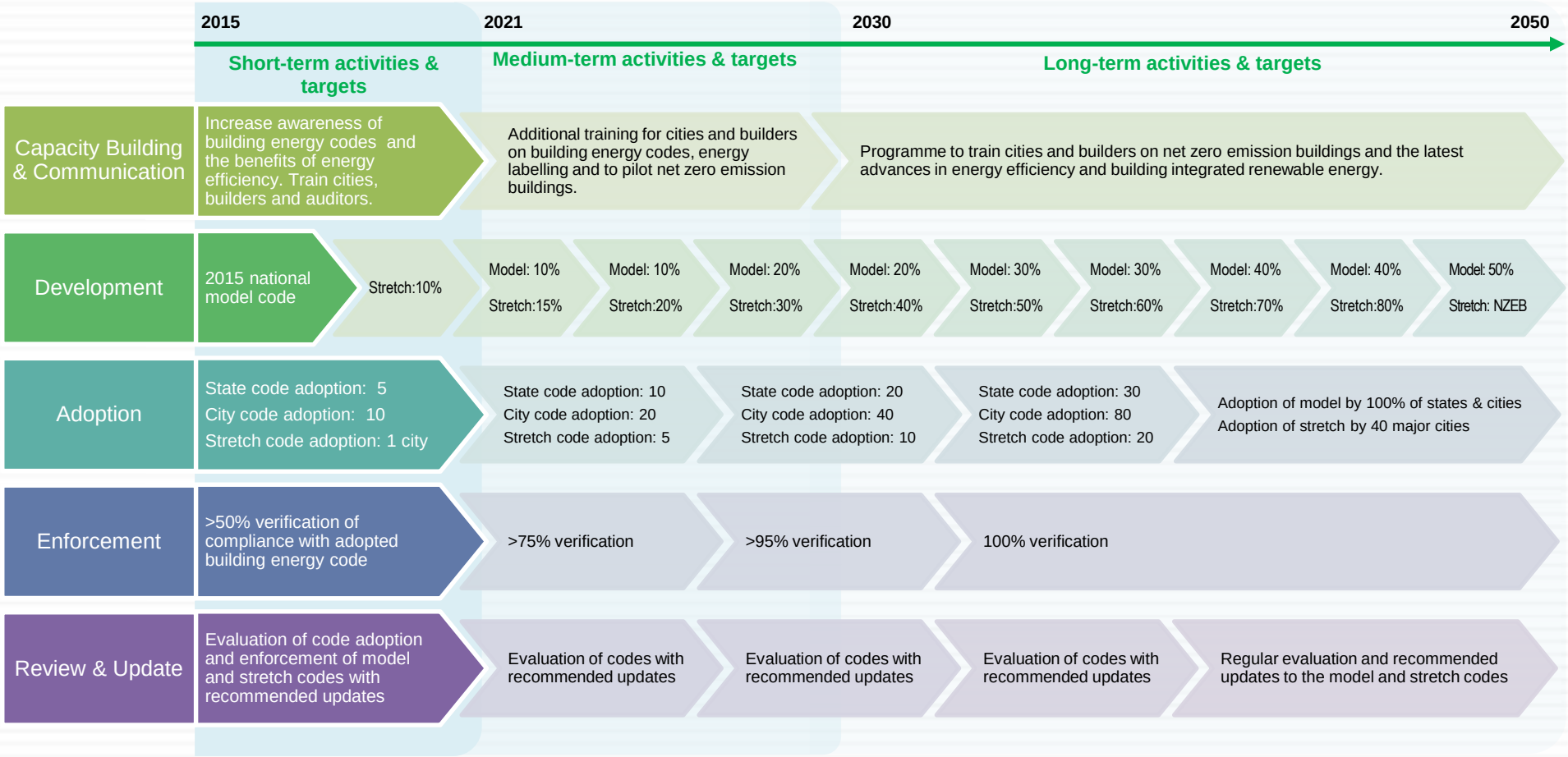
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THE ROADMAP



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THE ROADMAP



SUSTAINABLE HOUSING PROGRAM

To Achieve sustainable improvement of existing housing by implementing actions that help reduce energy consumption

Enhancing Energy Efficiency and Renewable Technologies





Energy Efficiency and Renewable Technologies for Housing

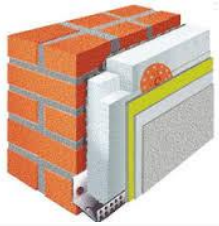


1. Photovoltaic systems
2. Efficient gas heaters with or without the support of solar water heaters
3. Efficient air conditioners
4. Thermal isolation
5. Thermal windows
6. Solar control films
7. Efficient lighting











SUSTAINABLE HOUSING PROGRAM

Incentives

- ✓ Loans with low interest rate
- ✓ Discount of 40% final price of technology
- ✓ Payments through electricity bill (5 years)
- ✓ Maximum loans USD 2,600

Financing new technologies

Energy Management Systems: ISO 50001

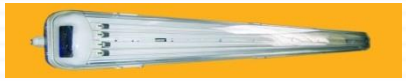
- ✓ Air conditioning
- ✓ Efficient Lighting
- ✓ Commercial Refrigerators
- ✓ High Efficiency Motors
- ✓ Electrical Power Substation
- ✓ Capacitor Banks
- ✓ Betwen others...



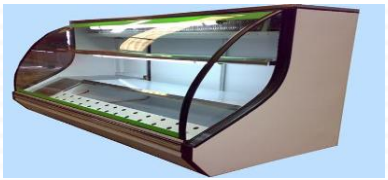












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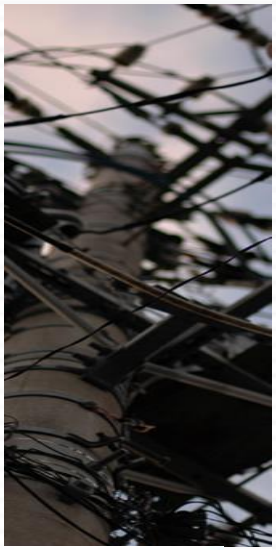
SUSTAINABLE CITIES

1. Potential Assessment

2. Capacity Building

3. Financial Mechanism













TRANSPORT | BUILDINGS | PUBLIC LIGHTING | WATER & WASTEWATER | POWER & HEATING | SOLID WASTE

SUSTAINABLE CITIES

BUILDINGS

1. Federal Buildings

2. Municipal Buildings

3. Hospitals

4. Schools









Key Messages:

Yes! It is possible

Emerging Policies can incorporate Energy Efficiency and Renewable Technologies

Buildings policies: a good example of Energy Efficiency and Renewable Energy Integration

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THANK YOU

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