

# Mexican Power Distribution Network Automation Construction Plan



## Overview

The Government of Mexico, through the Federal Electricity Commission (CFE) and the Ministry of Energy, announced that, as part of the 2025–2030 Strengthening and Expansion Plan, the National Transmission Network will be reinforced through an investment of 8. On April 9, 2025, the Government of Mexico announced that, as part of the electricity sector initiatives, 29,000 MW of capacity will be added, with CFE. Following the 2024 general elections in Mexico, President Claudia Sheinbaum (the first woman to hold the office) and her party Morena and allies secured a supermajority vote in both Chambers of the Congress. This political mandate enables the new administration to amend the Mexican Constitution. The Mexican government has presented its strategy to expand, modernize, and optimize the generation, transmission, and distribution of electric power in the country. The Plan outlines a total investment of \$624,618 million. The SIARED includes eight (8) Distribution Network Operation Center (Centros de Operación de Redes de Distribución - CORD) Systems, the complementary Field Device Equipment at substation and feeders (up to 8,000 sites), and the Communications Systems.



## Article Content

Know Before You Grow: The Energy Guide for New Industrial Plants in Mexico

To avoid costly surprises and delays when building new industrial plants in Mexico, a well-managed grid connection process aligned with the plant's on-site energy plan is of utmost importance.

Strengthening and Expansion Plan for the National Electrical System ...

Target for 2030: 97 new substations, 95 substation expansions, 6,875 network modernization works, and 42,221 electrification works to strengthen the General Distribution Networks.

Regional Power Planning Robust to Multiple Models: Meeting Mexico's ...

Using Mexico as a case study, we employ a bottom-up model of the electric power system to identify critical geographic areas of investment for installed capacity and transmission that are

National Electric System Strengthening and Expansion Plan 2025-2030

Compartir Mexico City, February 10 2025 President Claudia Sheinbaum presented the National Electric System Strengthening and Expansion Plan 2025-2030 (the " Plan "), with the goal of

CFE will invest 8.177 billion USD to strengthen the Transmission

From 2025 to 2030, 275 new transmission lines and 524 new works in electrical substations will be built.

Electricity - Proyectos México

The National Transmission Network (RNT) transports electricity to the General Distribution Networks (RGD) and the public, including 12 international

The Foundations Of The Electricity System

The increase in generation in isolated regions demands the modernization and expansion of transmission and distribution lines. If disregarded along with generation units, blackouts

Power Generation, Transmission & Distribution 2025

On 9 April 2025, the Mexican government announced a comprehensive public investment plan for the power sector, outlining an

Transmission And Distribution Infrastructure

Iberdrola has committed roughly \$5 billion worth of investment into the Mexican power sector between with almost half of the capital targeted at T& D

Mexico announces electric expansion plan with joint

The plan includes a public investment of over 620 billion pesos and additional participation from the private sector, with projects prioritizing clean energy and

National Transmission Network Strengthening & Expansion Plan 2025

The programme includes the construction of 275 new transmission lines and 524 new electrical substation projects, improving coverage, reliability and capacity for more than 50 million electricity

Mexico's Regulatory Engagement in Bulk Electric Power System

The PRODESEN also includes projects for the expansion and modernization of the national transmission and distribution networks. For the first time, the planning of the power sector is provided

Mexican national electricity transmission and distribution

The Mexican national electricity transmission and distribution grid (SEN, initials in Spanish) is characterized by the high interconnection between its several

Mexico's Power Grid

Mexico needs to accelerate the change and conversion of its electric power grid towards renewable energy, given its importance in reducing

Optimal transmission planning under the Mexican new electricity market ...

This exercise provides clues on the welfare-efficiency properties of the expansion plans proposed by CENACE in the design of the national transmission development plan, PRODESEN, a

Mexico announces electric expansion plan with joint

The Mexican government has presented its strategy to expand, modernize, and optimize the generation, transmission, and distribution of electric power in the

Transmission, Distribution: Herculean Task Ahead

PRODESEN 2021 - 2035 shows that between 2015 and 2021, SENER instructed CFE's transmission and distribution arm to construct 144 projects.

The Electricity Generation Dispatch in Mexico: An

A comprehensive assessment was conducted for the electricity dispatch in the Mexican National Interconnected System for the 2017-2021

Mexico has a national interconnected power grid divided into four ...

Mexico, Vietnam, and Central America — Transmission Grids "Mexico has a national interconnected power grid divided into four regional divisions: Northern, North Baja, South Baja, and Southern (the

## Energy & Construction: Why Mexican Data Centres Struggle

Strengthening transmission and distribution networks Streamlining interconnection processes. "Without sufficient, reliable and well-planned energy, digital infrastructure cannot

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## "PLAN MEXICO" ACTIONS ON THE ELECTRICITY SECTOR

During the presentation of the actions intended to be implemented by Plan Mexico, the five pillars of the plan were presented: strengthening the domestic market, increasing food sovereignty, increasing

## Overview of the Mexican Power System

The document summarizes key facts about Mexico's electric power system, including: - It serves an area of 1,964,375 km<sup>2</sup> and a population of 112 million

## Mexico announces US\$23bn investment in electricity

The Mexican government has presented the National Strategy for the Electricity Sector 2024-2030, intending to invest US\$23bn in the state-owned

## Design of the Mexico's Luz y Fuerza distribution automation system

Provides a new, independent SCADA/EMS platform dedicated to the Distribution Network operation and planning of a given area. All the distribution data (feeder devices and substation feeder circuit

## Mexico Unveils US\$8.2B Expansion of National

Under the administration's plan, nearly MX\$164 billion (US\$8.18 billion) will be allocated to expand and upgrade the national transmission network. The program

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