



Gobierno
de Puebla
Hacer historia. Hacer futuro.



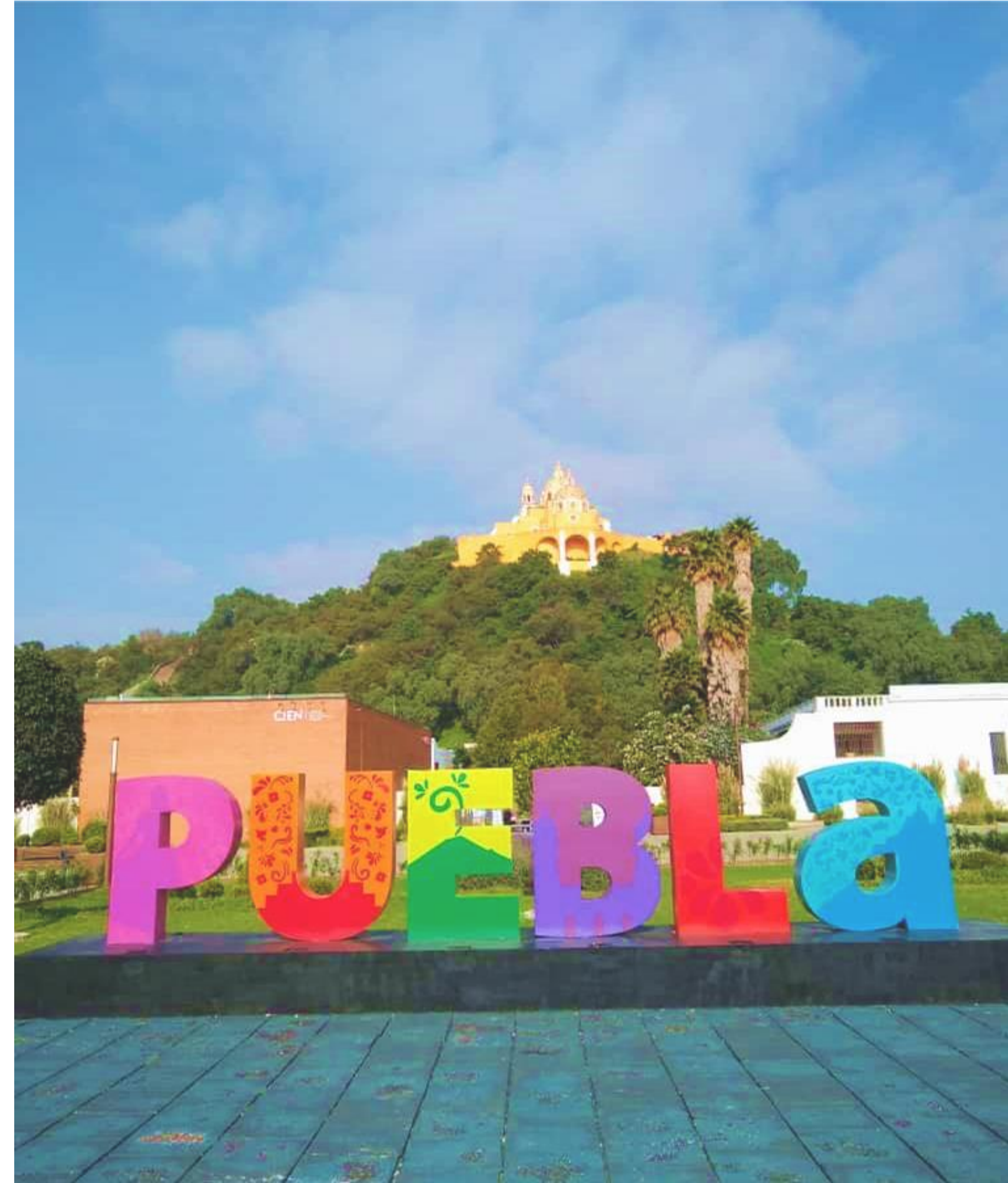
Agencia de Energía
del Estado de Puebla

**"A MODEL FOR ENERGY
WELL BEGING FOR THE
STATE OF PUEBLA"**



Objective of the Presentation

Energy Agency of the State of Puebla, through Energy well being wants to meet the energy needs as a fundamental service for economic development of Puebla, respecting the communities, environment, and leveraging the state's own characteristics.





ENERGY AGENCY OF THE STATE OF PUEBLA.

The Agency is a Decentralized Public Body of the State of Puebla, sectorized to the Ministry of Economy that seeks to attract new investments in energy that contribute to the welfare of the citizens of Puebla.

In addition, it contributes to the materialization of projects that contribute to sustainable energy development, with a vision of social responsibility, economic growth and respect for the environment.

- Pillar 1. Fighting Energy Poverty
- Pillar 2. Competitive Supply of Natural Gas to Industrial Parks
- Pillar 3. Decarbonization of the Industry and Economy
- Pillar 4. Investment Attraction
- Pillar 5 .Energy Innovation Projects from the Local Level



PILLARS OF MODEL

- **Pillar 1. Frontal Fight Against Energy Poverty.** Provide affordable and non-polluting energy to those sectors of the population of the state of Puebla that, due to their technical, economic and social characteristics, are in conditions of energy poverty.
- **Pillar 2. Competitive Supply of Natural Gas in Industrial Parks.** Increase the supply capacity of natural gas in the state of Puebla to provide a continuous supply of a transition energy source.
- **Pillar 3. Decarbonization of Industry and the Economy.** Development and promotion of technologies that allow the energy transition in the economic processes of Micro, Small and Medium Enterprises, through the reduction of the cost of electricity or fuel bills.
- **Pillar 4. Investment attraction.** Implement strategies that generate confidence, certainty and facilities to invest in the energy sector, positioning the state of Puebla as the main business place in the country.
- **Pillar 5. Energy Innovation Projects from the Local Level.** To be the national benchmark for innovation and technological development in the energy sector, by driving projects with new technologies that promote the energy transition.



GUIDANCE THROUGH THE DECISION MAKING PROCESS TO INVEST IN PUEBLA

We offer free guidance through the process of invest in Puebla with information of local energy prices and regulation, federal and state incentives, permits and on-site suppliers to fulfill the energy requirements of the companies.

- Price of electricity for industry.

132 USD/MWh

- Price of Natural Gas.

6.31 USD/GJ

- Regulation guidance on the energy sector.

e.g. infrastructure investment.

INFORMATION*

*Average prices. The energy price depend on the consumption and maximum demand needed.

INCENTIVES

- State incentive up to 8% over the total investment.
- Deduction of federal income tax up to 100% of the total investment on a renewable energy project.

PERMITS AND ON-SITE SUPPLIERS

- Link to federal and state authorities to obtain the required permits.
- Identification and link to suppliers of the energy sector.

- Energy requirements and examples of sustainable fuels.
- Electrical Power – **Renewable energy.**
- Fossil fuels as Natural Gas – **Biogas or other e-fuels.**



Pillar 1. Fighting Energy Poverty

SOLAR SCHOOLS: INVESTMENT FOR SUSTAINABLE ENERGY DEVELOPMENT.

Objective General:

To take advantage of the use of renewable energies to significantly reduce the cost of electricity in public schools, in favor of the student community, parents and to guarantee the access and supply of electricity in the educational services of the state of Puebla.





Investment of \$24,995,748 MXN.



36,376 students benefited.



More than 1000 solar panels installed and put into operation; and mor than 660 efficient lighting fixtures.



75% savings in electricity bills on average, equivalent to more than 2.4 MDP per year.



430 tons of CO2 emissions mitigated per year.



30 trainings for the student community, teachers and parents on best practices and responsible consumption.

Pillar 1. Fighting Energy Poverty

SUSTAINABLE WATER PUMPING SAN LORENZO JOYA DE RODRÍGUEZ

Specific Project Objective.

Strengthen infrastructure and technology for the use of energy resources to contribute to achieving coverage and access to drinking water.

Goal.

Installation of an Interconnected Photovoltaic System that allows incorporating the use of renewable energies in the access and coverage of drinking water.





Investment of \$ 1.6 Millions of Pesos (MDP).



1,800 inhabitants



Economic savings \$178,996.98



Emissions mitigation 22.30 kg CO₂/ year



Pillar 1. Fighting Energy Poverty

ENERGY FOR THE FIELD.

Objective General:

- Contribute to the consolidation of projects initiated or delivered by the Secretariat of Rural Development (SDR) and complemented with the incorporation of renewable energy projects.
- Increase efficiency and sustainability for the benefit of the Puebla's countryside.



Investment of \$ 1.8 MDP.



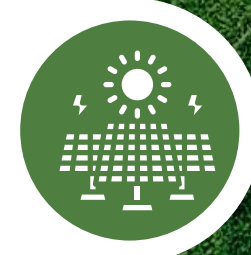
Crops such as corn, beans, sorghum, tomato, alfalfa, among others, and livestock are grown.



10 localities 7 municipalities 5 regions.



10 solar pumping projects.



Pillar 2. Frontal Fight Against Energy Poverty.

COMPETITIVE SUPPLY OF NATURAL GAS TO INDUSTRIAL PARKS.

General Objective of

San Martin Texmelucan NatGas Project:

Design, develop, construction and interconnection to a PEMEX pipeline, for a 2.4 miles internal supply network, which will be supplied by pipeline and compressed natural gas.

Huejotzingo NatGas Project:

Design, develop, construction and interconnection to the Morelos pipeline, for a 2.4 miles internal supply network, which will be supplied by pipeline and compressed natural gas.





Combined investment of \$30,000,000 pesos



4.4 Miles of pipeline



Natural gas and compressed natural gas projects



Both projects to be developed by ENGIE



Projects in progress, environmental permits to be granted

Pillar 3. Decarbonization of the Industry and Economy

PUEBLA: SAVING AND EFFICIENT USE OF ENERGY.

Objective General:

To increase the competitiveness of the industrial sector in the state, through the promotion and encouragement of technologies that enable the energy transition. As well as promoting more economically efficient processes in Micro, Small and Medium Enterprises (MSMEs), through the reduction of the cost of electricity or fuel bills.





Savings from the efficient use of energy



Homes, small, medium and large industry, and buildings municipalities benefited



Annually reduce a minimum of 3% of electricity consumption



Generate average annual savings of 15% compared to the baseline established in each plan



CO₂ emissions mitigated per year



30 trainings for the student community, teachers and parents on best practices and responsible consumption

Pillar 4. Investment Attraction

INVESTMENT ATTRACTION

Objective General:

- Implement strategies that generate confidence, certainty and facilities for investors in the energy sector, positioning the state of Puebla as the main business place in the country.
- The foregoing, contributing to the implementation of energy projects that detonate the economic development of the state.

Project	Investment	Developer
Generation Plants	\$12,000 million	Alten y Neon
Petroleum Storage Terminal	\$1,800 million	Valero- IENOVA
Natural Gas in Tehuacán	\$720 million	FENIX
Natural Gas Interconnection, Huejotzingo	\$72 million	ENGIE
Natural Gas liquefaction plant	\$1,000 million	ENESTAS

Investments in millions of Mexican pesos

There are 8 other projects in the planning stage.

Pillar 5 .Energy Innovation Projects from the Local Level

INNOVATION COMPETITION IN THE FIELD OF ELECTROMOBILITY: ELECTROHACK

Objective General:

Innovation contest for bachelor's and master's degree students from the state of Puebla, focused on finding solutions to problems that the electromobility industry is experiencing today.

In its 2022 edition, more than 180 students from 14 universities in the state of Puebla participated.





Pillar 5 .Energy Innovation Projects from the Local Level

MANUFACTURE OF AN ALKALINE ELECTROLYSER FOR THE PRODUCTION OF HYDROGEN

Objective General:

Project in coordination with the Technological University of Puebla for the design, development and manufacture of an alkaline electrolyzer for the production of Green Hydrogen.

A report will be issued with the lessons learned and the mapping of costs to produce materials and equipment at the local level.

Pillar 5 .Energy Innovation Projects from the Local Level

PUEBLA'S ELECTROMOBILITY HUB

Puebla as a leading state in electric and sustainable mobility is intending to implement the Electromobility Hub a Public Policy with 3 pillars and 1 transversal axis:

- Pillar 1: Investment promotion
- Pillar 2: Promoting demand and mobility of electric vehicles
- Pillar 3: Development of human talent and local supply chains
- Transversal axis: Innovation and technological development



Pillar 5 .Energy Innovation Projects from the Local Level

PLAN FOR THE DEPLOYMENT OF ELECTRIC VEHICLES IN THE STATE OF PUEBLA

Objective of Plan for the deployment of electric vehicle chargers in Puebla:

- Increased by up to 50% the number of electric vehicle chargers
- Will be installed in municipalities and routes with greater coverage and TDPA*.

*TDPA: Daily Average Annual Traffic



Project to be developed with 80% private investment and 20% public investment.



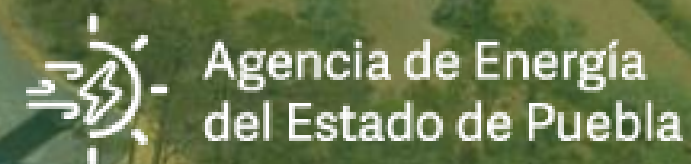
43 chargers will be installed in phase 1.



17 municipalities will be part of phase 1.

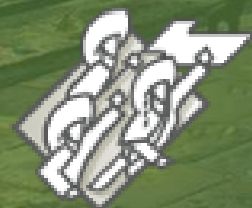


"Energy Agency of the State of Puebla seeks to implement a model of energy well-being through the development of projects with key national and international actors"

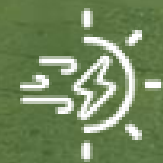


THANK YOU

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