

Mexico/Municipality of Naucalpan

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Opportunities for biogas in Mexico: **General context**

Favorable political and legal framework

- Energetic Reform in Mexico (2014)
- Increasing goals of clean energy and diversification of primary energy sources

2024	35%
2035	40%
2050	50%

- Endorsement of Paris Agreement

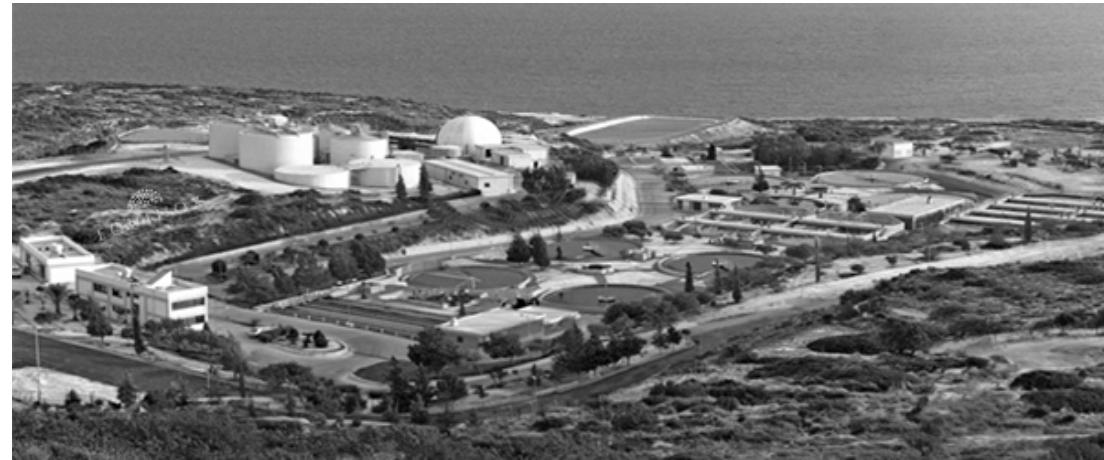
Reduction of emissions of 50% by 2050



Opportunities for biogas in Mexico: **Cities as a key actor**

- 75% of Mexicans live in cities (95 million inhabitants) → SW generation.
- Cities must participate in the **wholesale electricity market** and obtain **Clean Energy Certificates (CEL)**, if not, they will receive fines.
- It is mandatory capture methane from landfills. General Law on Climate Change (LGCC)

2019	5%
2022	14%



Key factors to develop the market



- Align economic and environmental objectives
- Switch from lineal to **circular economy**
- Quantify social, climatic and environmental benefits
- Need of **success stories** for replicability
- Share the **know how**
- Funders should take more risks

Management and use of organic waste with energy recovery



- 1,300 tons/day of SW.
- Mechanical-biological treatment to urban solid waste, for sale the recyclable fraction and generation of renewable electricity from biogas.
- 6 MW of electrical capacity.
- 77,000 tCO₂e / year. Using the Waste Initiative's tool, SWEET
- Since 2016, partnered with U.S. EPA and CCAC's Waste Initiative.
- Call of Bidding: January 2020 (20 year long term concession in PPP scheme)



NAUCALPAN
DE JUÁREZ
Construyendo *Confianza*
2019 - 2021