

Mexico • Renewable energy

High activity areas:

The most common solar GHI intensity is over 6.3 kWh/m² per day, distributed in the central part of country, Puebla and Morelos states, and in the state of Baja California Sur.

The most common wind speed is over 8.0 m/s per year at 50 m are distributed in the state of Oaxaca coastline on the Pacific Ocean in the southeast.

Source: Energydata.info

Major biomass power plants over 20 MW, MW:

- 1 Ingenio La Gloria, 52.5
- 2 Ingenio San Miguel del Naranjo, 49.3
- 3 Co. Azucarera del Río Guayalejo, 45.5
- 4 Piasa Cogeneración, 40.0
- 5 Santa Rosalía de La Chontalpa, 25.2
- 6 Ingenio Tala Electric, 25.0
- 7 Imp. de La Cuenca del Papaloapan, 24.2
- 8 Ingenio El Higo, 21.8
- 9 Central Motzorongo, 20.0

0.0 kWh/m²/d Global Horizontal Irradiation (GHI)
0.0 m/s Wind speed

Combinated type geothermal power plants over 1 MW, MWe:

- 1 Cerro Prieto, 720
- 2 Los Azufres, 194

Single flash type geothermal power plants over 1 MW, MWe:

- 1 Los Humeros, 94
- 2 Las Tres Virgenes, 10

Major bioethanol plants:

- 1 Orizaba, Fabrica de Alimentos Tenerife
- 2 San Juan, Compania Energetica San Juan
- 3 Atoyac Plant, Alcoholera de Zapopan
- 4 Ingenio La Gloria Ethanol
- 5 Biomex Ethanol Plant, Tamaulipas*

* under construction

Solar CPV power plants over 1 MWe, MWe:

- 1 Arbomex, Apaseo el Grande, 1.3

Key landfill gas-to-energy plant:

- 1 Monterrey, Bioelectrica de Monterrey

Major biodiesel plants:

- 1 Ricino Mex, Oaxaca
- 2 Tapachula, Biodiesel Chiapas
- 3 Lázaro Cárdenas, Michoacan

CSP Parabolic type plants over 1 MW, MW:

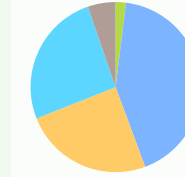
- 1 Agua Prieta II, 14

Wind power plants over 120 MW, MW:

- 1 Oaxaca Complex, 408
- 2 Ventika I-II, 252
- 3 Eurus, 251
- 4 Piedra Larga (DEMEX), 228
- 5 Dominica I-II, Energía Limpia, 200
- 6 Amistad, 198*
- 7 La Venta I-II-III, 187
- 8 Istmo (Bii Stinú), 164
- 9 Pacifico (Santo Domingo), 160
- 10 Energía Sierra Juárez, 156
- 11 Tres Mesas, 148*
- 12 Palo Alto, 129

* under construction

Gross electricity generation from renewable sources by 2021, TWh (%)



- Bioenergy 1.61 (2.0)
- Hydropower 34.72 (42.4)
- Solar PV energy 20.19 (24.6)
- Wind energy 21.07 (25.7)
- Geothermal energy 4.24 (5.2)
- CSP energy 0.06 (0.1)

Total: 81.9 (100)

Source: Renewable Energy Statistics 2023 © IRENA

