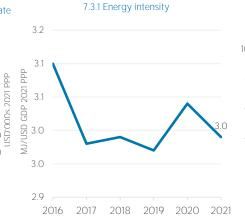
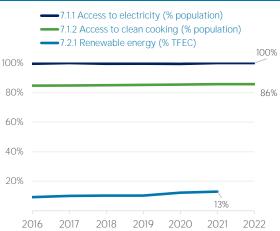
# Mexico

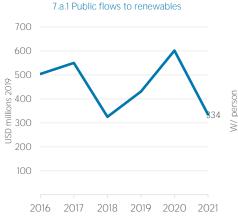
### COUNTRY INDICATORS AND SDGS

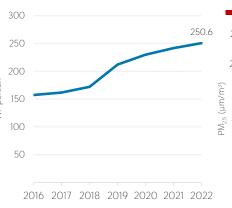




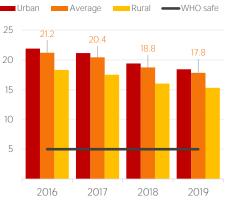
7.b.1 Per capita renewable capacity











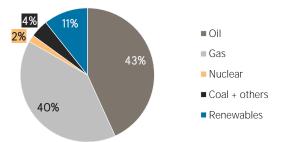
**TOTAL ENERGY SUPPLY (TES)** 

Total Energy Supply (TES)	2016	2021
Non-renewable (TJ)	7 082 026	6 756 015
Renewable (TJ)	781 620	807 195
Total (TJ)	7 863 647	7 563 210
Renewable share (%)	10	11

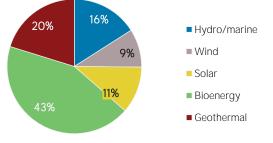
Growth in TES	2016-21	2020-21
Non-renewable (%)	-4.6	+0.7
Renewable (%)	+3.3	+3.1
Total (%)	-3.8	+0.9

Primary energy trade	2016	2021
Imports (TJ)	3 530 398	3 900 073
Exports (TJ)	3 151 225	2 747 207
Net trade (TJ)	- 379 173	-1 152 866
Imports (% of supply)	45	52
Exports (% of production)	41	42
Energy self-sufficiency (%)	98	86

### Total energy supply in 2021



Renewable energy supply in 2021

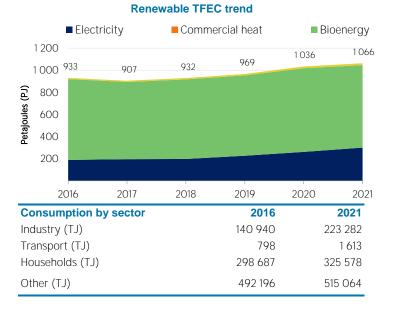


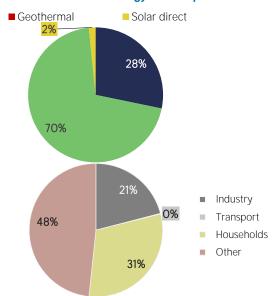


International Renewable Energy Agency

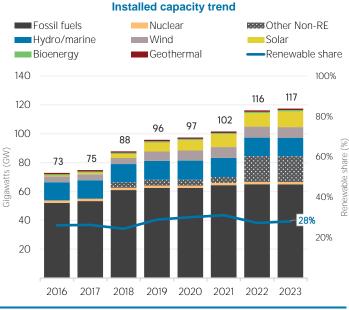
## **RENEWABLE ENERGY CONSUMPTION (TFEC)**

Renewable energy consumption in 2021



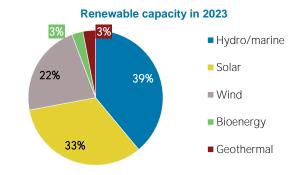


## **ELECTRICITY CAPACITY**

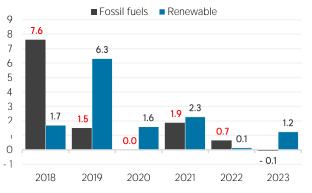


#### Net capacity change in 2023 (MW)

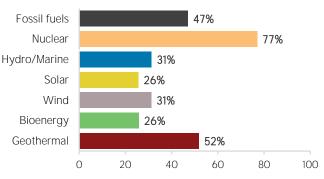
Non-renewable	- 73	Hydro and marine
Solar	+ 1 554	Wind - 316
Bioenergy	+ 4	Geothermal



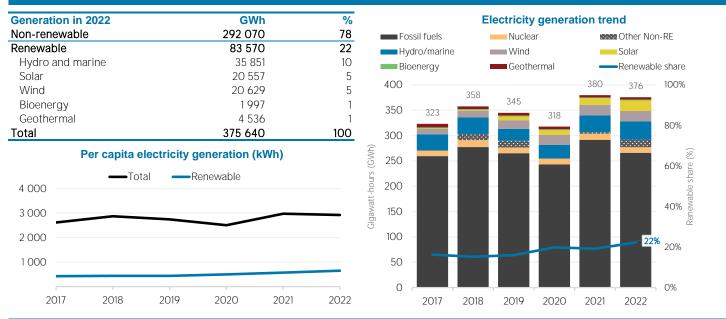
Net capacity change (GW)





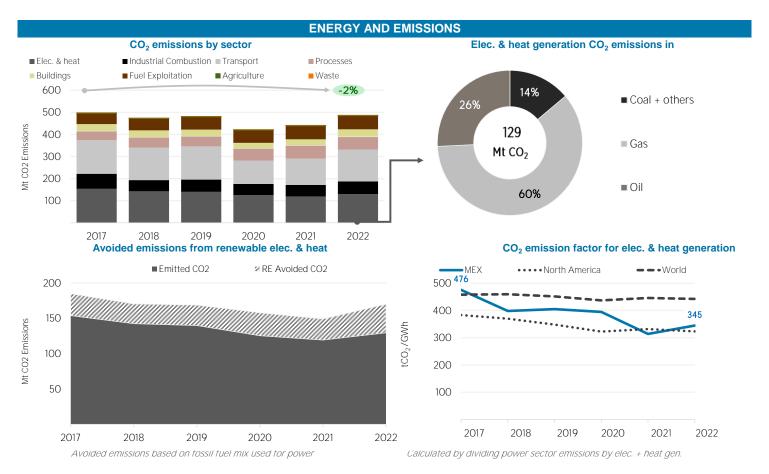


#### **ELECTRICITY GENERATION**

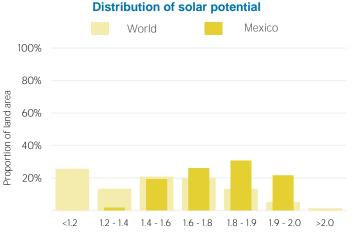


## LATEST POLICIES, PROGRAMMES AND LEGISLATION

1 Mining Reforms 2023 - Decree by which by which various provisions of the Mexican Mining Law (and others) are amended, added and repealed	2023
2 2022 Package against inflation & famine - Transport fuel and power subsidies	2022
3 Decree by which the decentralised public body Lithium for Mexico is created	2022
4 General Law of Climate Change (Mexico)	2022
5 Mining Reforms 2022 - DECREE by which various provisions of the Mexican Mining Law are amended and added	2022

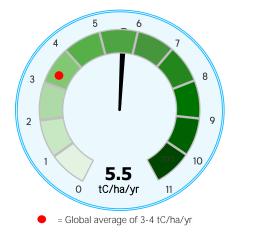


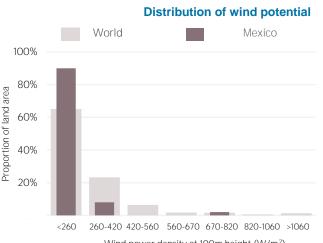
## **RENEWABLE RESOURCE POTENTIAL**



Annual generation per unit of installed PV capacity (MWh/kWp)

## Biomass potential: net primary production





Wind power density at 100m height (W/m<sup>2</sup>)

#### Indicators of renewable resource potential

**Solar PV:** Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes (for comparison).

**Onshore wind:** Potential wind power density (W/m<sup>2</sup>) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area in each of these classes compared to the global distribution of wind resources. Areas in the third class or above are considered to be a good wind resource.

Blomass: Net primary production (NPP) is the amount of carbon fixed by plants and accumulated as biomass each year. It is a basic measure of biomass productivity. The chart shows the average NPP in the country (tC/ha/yr), compared to the global average NPP of 3-4 tonnes of carbon

Sources: IRENA statistics, plus data from the following sources: UN SDG Database (original sources: WHO; World Bank; IEA; IRENA; and UNSD); UN World Population Prospects: UNSD Energy Balances; UN COMTRADE; World Bank World Development Indicators; EDGAR; REN21 Global Status Report; IEA-IRENA Joint Policies and Measures Database; IRENA Global Atlas; and World Bank Global Solar Atlas and Global Wind Atlas.

Additional notes: Capacity per capita and public investments SDGs only apply to developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8.760h/year. Avoided emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries and years where no fossil fuel generation occurs, an average fossil fuel emission factor has been used to calculate the avoided emissions.

These profiles have been produced to provide an overview of developments in renewable energy in different countries and areas. The IRENA statistics team would welcome comments and feedback on its structure and content, which can be sent to statistics@irena.org.

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