Cameroon

2%

2%

1%

1%

0% -1%

-1%

-2% -2%

-3% -3%



COUNTRY INDICATORS AND SDGS ■7.1.1 Access to electricity (% population) 7.3.1 Energy intensity GDP per capita —8.1.1 Real GDP growth rate -7.1.2 Access to clean cooking (% population) ■7.2.1 Renewable energy (% TFEC) 4.6 0.9%.8 4.5 100% 4.9 4.5 dd 4.4 80% 4.4 4.4 4.3 4.3 4.3 4.2 79% 60% 40%

20%

2016

2017

2018

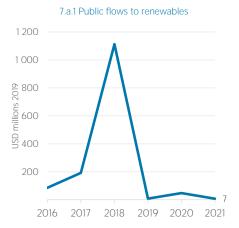
2019

2020

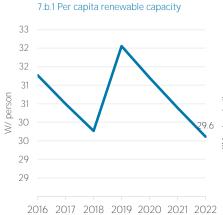
2021

2022

2021



201 208 208 202 202 202 202



2019

2020

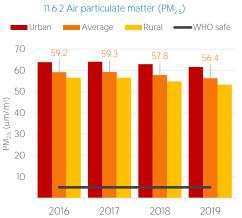
2018

4.2

4.1

2016

2017



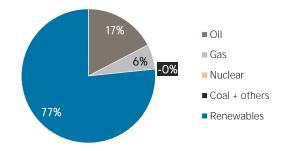
TOTAL ENERGY SUPPLY (TES)

Total Energy Supply (TES)	2016	2021
Non-renewable (TJ)	105 693	99 897
Renewable (TJ)	285 927	327 772
Total (TJ)	391 619	427 669
Renewable share (%)	73	77

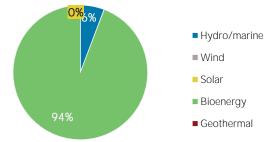
Growth in TES	2016-21	2020-21
Non-renewable (%)	-5.5	-5.0
Renewable (%)	+14.6	+3.4
Total (%)	+9.2	+1.3

Primary energy trade	2016	2021
Imports (TJ)	96 146	73 117
Exports (TJ)	205 880	204 274
Net trade (TJ)	109 734	131 157
Imports (% of supply)	25	17
Exports (% of production)	41	37
Energy self-sufficiency (%)	128	131

Total energy supply in 2021



Renewable energy supply in 2021



RENEWABLE ENERGY CONSUMPTION (TFEC)

Renewable TFEC trend ■ Electricity ■ Commercial heat ■ Bioenergy 400 346 319 350 ₃₀₃ 312 300 Petajoules (PJ) 250 200 150 100 50 2016 2017 2018 2019 2020 2021 Consumption by sector 2016 2021 Industry (TJ) 11 173 12 182

0

192 126

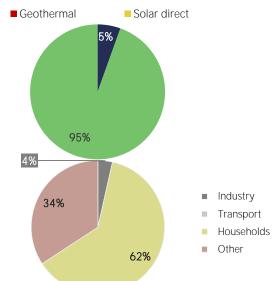
99 732

Transport (TJ)

Other (TJ)

Households (TJ)

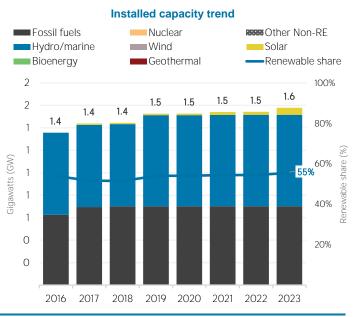
Renewable energy consumption in 2021



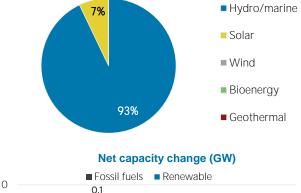
ELECTRICITY CAPACITY

215 149

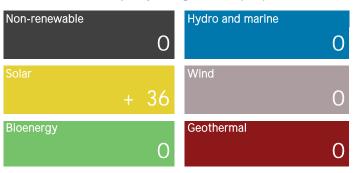
118 269

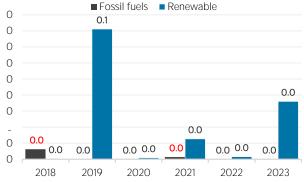


Renewable capacity in 2023

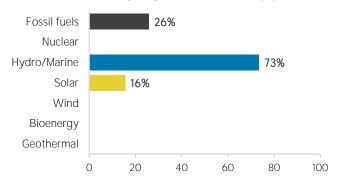




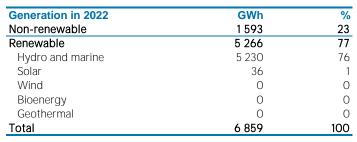




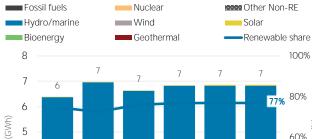
Capacity utilisation in 2022 (%)



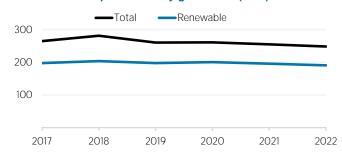
ELECTRICITY GENERATION





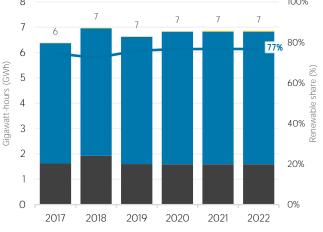


Per capita electricity generation (kWh)



Avoided emissions from renewable elec. & heat

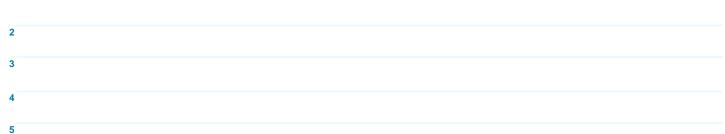
Mt CO2 Emissions



LATEST POLICIES, PROGRAMMES AND LEGISLATION

1 Cost of gas and transport fuel subsidy - 2022

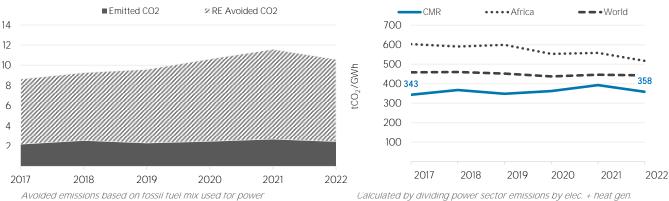
2022



ENERGY AND EMISSIONS

CO₂ emissions by sector Elec. & heat generation CO₂ emissions in ■ Elec. & heat ■ Industrial Combustion ■ Transport ■ Processes Buildings ■ Fuel Exploitation ■ Agriculture ■Waste 0% 12 +3% ■ Coal + others 10 34% Mt CO2 Emissions 2 8 ■ Gas Mt CO₂ 6 66% 4 ■ Oil 2 2017 2018 2019 2020 2021 2022

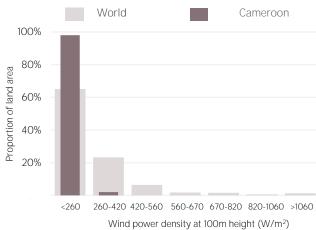
CO₂ emission factor for elec. & heat generation



RENEWABLE RESOURCE POTENTIAL

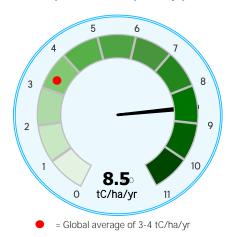
Distribution of solar potential World Cameroon 100% 80% Proportion of land area 60% 40% 20% <12 12 - 14 1.4 - 1.6 1.6 - 1.8 18 - 19 19 - 20 >20

Distribution of wind potential



Biomass potential: net primary production

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



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/m²) 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.

Biomass: 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 (H5). 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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