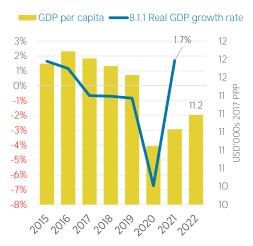
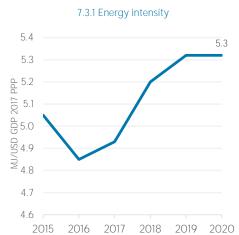
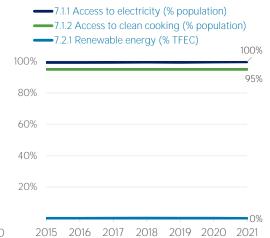
## Algeria



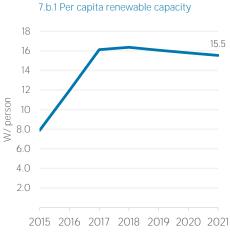
### COUNTRY INDICATORS AND SDGS

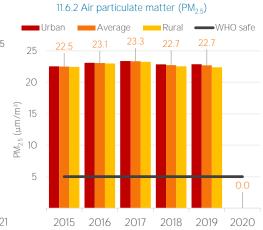






7.a.1 Public flows to renewables 1.0 0.9 0.8 0.7 USD millions 2019 0.6 0.5 0.4 0.3 0.2 0.1 0 2015 2016 2017 2018 2019 2020





### TOTAL ENERGY SUPPLY (TES)

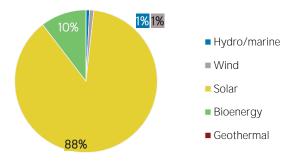
Total Energy Supply (TES)	2015	2020
Non-renewable (TJ)	2 222 399	2 384 922
Renewable (TJ)	2 810	4 081
Total (TJ)	2 225 208	2 389 004
Renewable share (%)	0	0

Growth in TES	2015-20	2019-20
Non-renewable (%)	+7.3	-4.8
Renewable (%)	+45.3	-6.3
Total (%)	+7.4	-4.8

Primary energy trade	2015	2020
Imports (TJ)	188 572	53 143
Exports (TJ)	3 852 344	3 150 243
Net trade (TJ)	3 663 772	3 097 100
Imports (% of supply)	8	2
Exports (% of production)	65	57
Energy self-sufficiency (%)	264	231
Net trade (TJ) Imports (% of supply) Exports (% of production)	3 663 772 8 65	3 097 100 : 5

## Total energy supply in 2020 0% Oil Gas Nuclear Coal + others Renewables

### Renewable energy supply in 2020

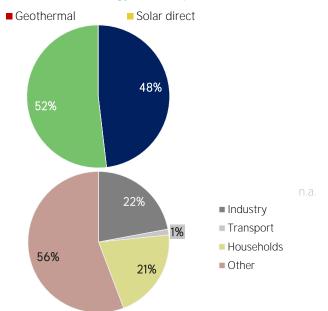


### RENEWABLE ENERGY CONSUMPTION (TFEC)

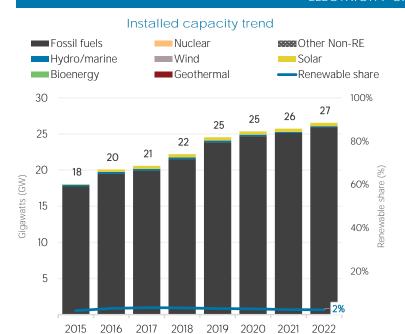
# Renewable TFEC trend Electricity Commercial heat Bioenergy 7 7 6 5 4 3 2 1



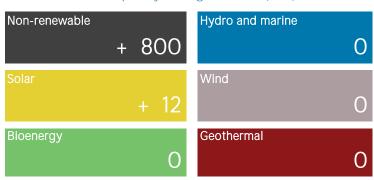
### Renewable energy consumption in 2020



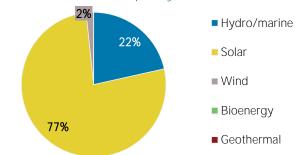
### **ELECTRICITY CAPACITY**



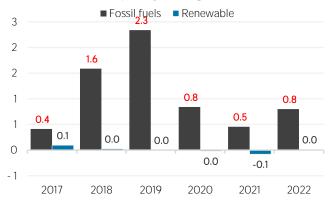
### Net capacity change in 2022 (MW)



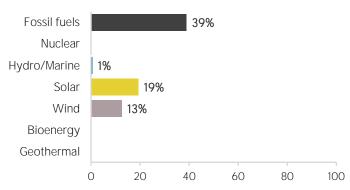
### Renewable capacity in 2022



### Net capacity change (GW)



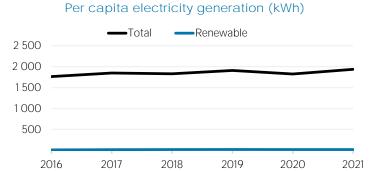
### Capacity utilisation in 2021 (%)

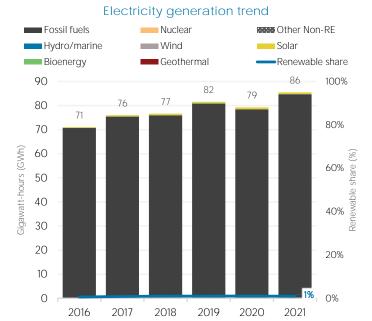


### **ELECTRICITY GENERATION**

Generation in 2021	GWh	%
Non-renewable	84 729	99
Renewable	780	1
Hydro and marine	9	0
Solar	760	1
Wind	11	0
Bioenergy	0	0
Geothermal	0	0
Total	85 509	100



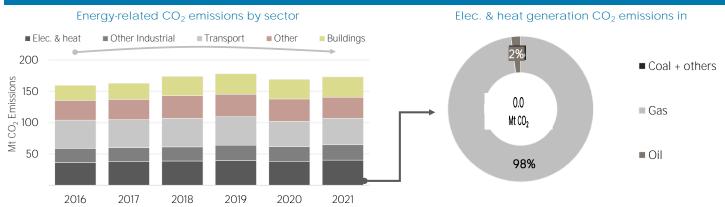




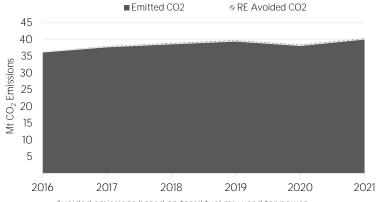
### LATEST POLICIES, PROGRAMMES AND LEGISLATION

1 Creation of a High Energy Council	2022
2 Executive Decree 21-330,2021	2021
3 First National Determined Contribution (NDC)	2021
3 First National Determined Contribution (NDC)	2021
4 Law No. 19-13 - Law governing hydrocarbon activities	2019
	2017
5 Air conditioners and air-to-air multi-split heat pumps - Testing and determination of performance characteristics	2017

### **ENERGY AND EMISSIONS**

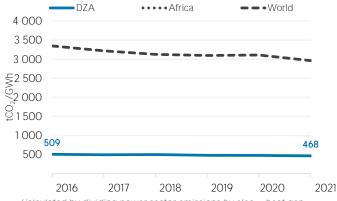






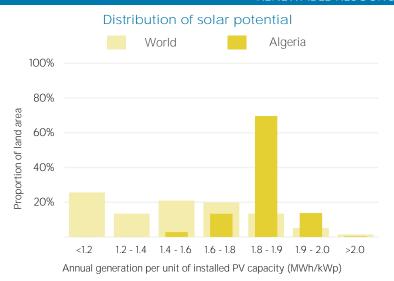
Avoided emissions based on tossil fuel mix used for power

### $CO_2$ emission factor for elec. & heat generation



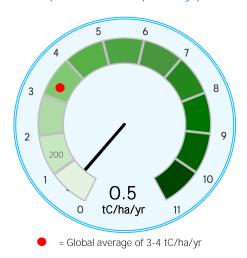
Calculated by dividing power sector emissions by elec. + heat gen.

### RENEWABLE RESOURCE POTENTIAL



### 

### Biomass potential: net primary production



### 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 (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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