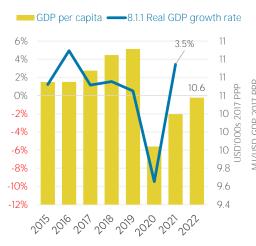
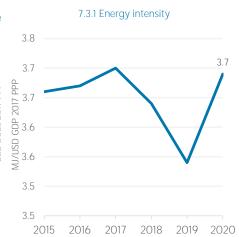
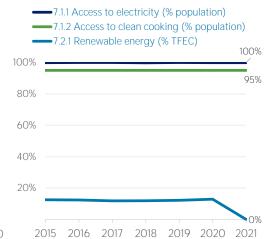
Tunisia

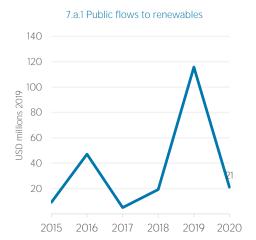


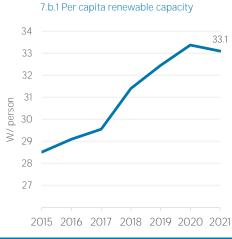
COUNTRY INDICATORS AND SDGS

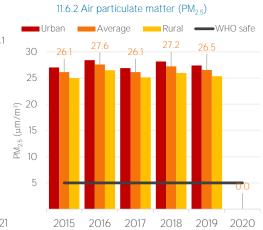












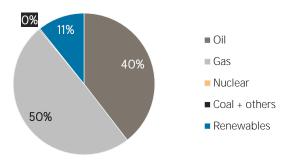
TOTAL ENERGY SUPPLY (TES)

Total Energy Supply (TES)	2015	2020
Non-renewable (TJ)	413 745	397 924
Renewable (TJ)	40 717	47 730
Total (TJ)	454 462	445 654
Renewable share (%)	9	11
	·	

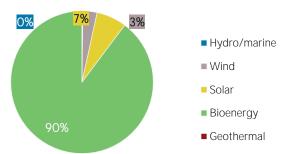
Growth in TES	2015-20	2019-20
Non-renewable (%)	-3.8	-6.5
Renewable (%)	+17.2	+2.4
Total (%)	-1.9	-5.7

2015	2020
316 678	327 324
112 891	77 411
- 203 787	- 249 913
70	73
42	38
59	46
	316 678 112 891 - 203 787 70 42

Total energy supply in 2020



Renewable energy supply in 2020

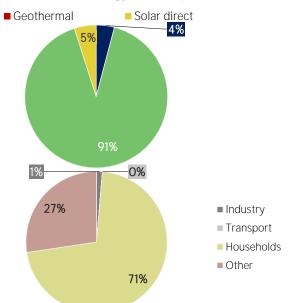


RENEWABLE ENERGY CONSUMPTION (TFEC)

Renewable TFEC trend

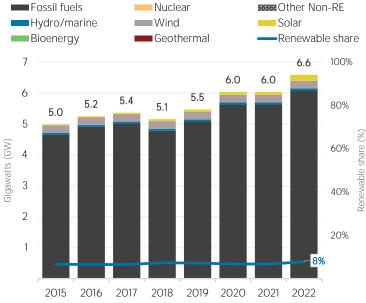
■ Electricity ■ Commercial heat ■ Bioenergy 60 54 53 50 46 Petajoules (PJ) 40 30 20 10 2018 2015 2016 2017 2019 2020 Consumption by sector 2015 2020 Industry (TJ) 751 717 Transport (TJ) 13 11 Households (TJ) 34 775 38 495 Other (TJ) 10 282 14 775

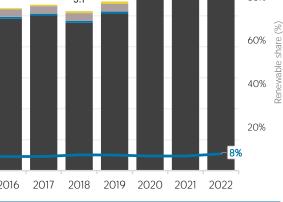
Renewable energy consumption in 2020



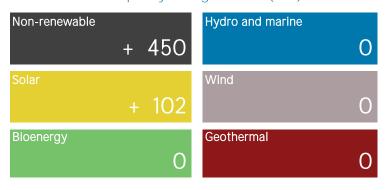
ELECTRICITY CAPACITY

Installed capacity trend

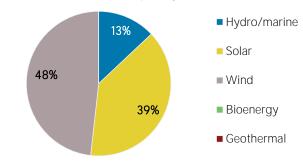




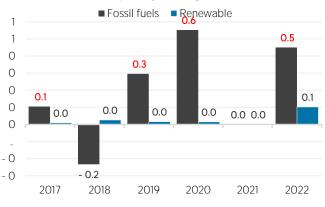
Net capacity change in 2022 (MW)



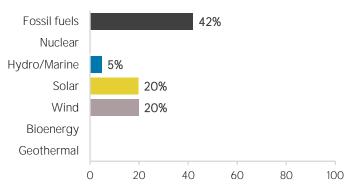
Renewable capacity in 2022



Net capacity change (GW)



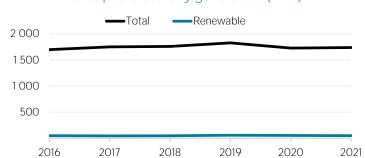
Capacity utilisation in 2021 (%)

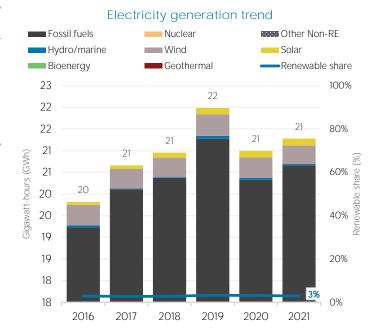


ELECTRICITY GENERATION

Generation in 2021	GWh	%
Non-renewable	20 659	97
Renewable	617	3
Hydro and marine	28	0
Solar	164	1
Wind	425	2
Bioenergy	0	0
Geothermal	0	0
Total	21 277	100



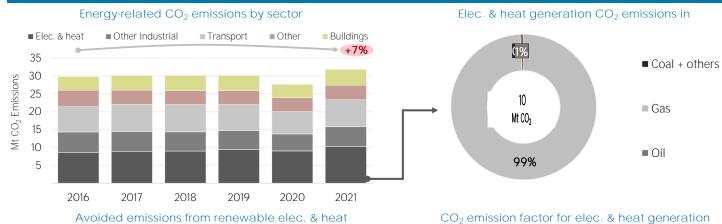


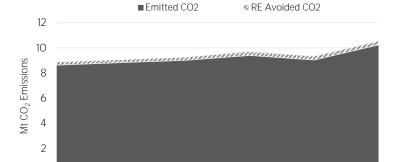


LATEST POLICIES, PROGRAMMES AND LEGISLATION

1 Renewable Energy Law for Electricity Production (No.74/2013)	2015
2 The Decree on connection and access of renewable electricity to the national grid	2011
3 Tax exemptions for the import of renewable energy and energy efficiency equipment materials	2010
4 Decree 2009/362 on Renewable Energy and Energy Efficiency Premiums	2009
5 Decree on rules of selling renewable electricity to the Tunisian Company of Electricity and Gas (STEG)	2009

ENERGY AND EMISSIONS





2018 Avoided emissions based on tossil tuel mix used for power

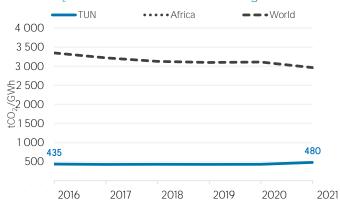
2019

2020

2021

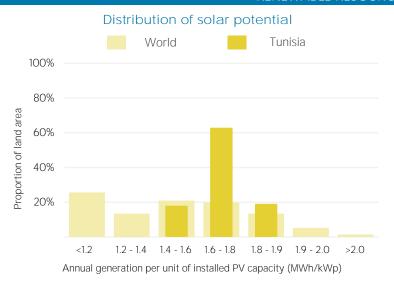
2016

2017

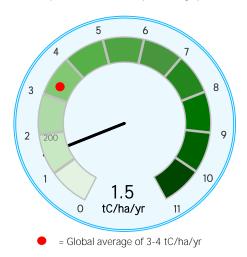


Calculated by dividing power sector emissions by elec. + heat gen.

RENEWABLE RESOURCE POTENTIAL



Biomass potential: net primary production



Indicators of renewable resource potential

Wind power density at 100m height (W/m²)

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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