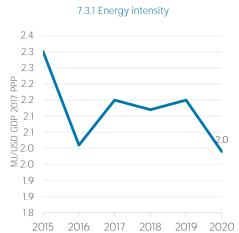
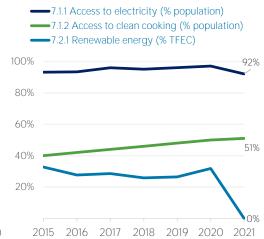
Fiji

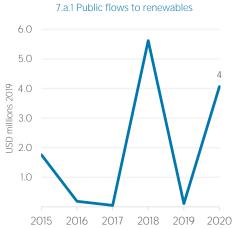


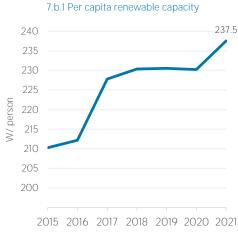
COUNTRY INDICATORS AND SDGS

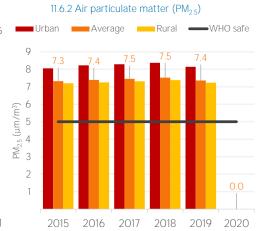












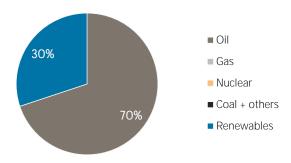
TOTAL ENERGY SUPPLY (TES)

Total Energy Supply (TES)	2015	2020
Non-renewable (TJ)	17 725	14 366
Renewable (TJ)	7 755	6 187
Total (TJ)	25 480	20 553
Renewable share (%)	30	30

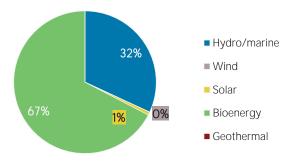
Growth in TES	2015-20	2019-20
Non-renewable (%)	-19.0	-26.2
Renewable (%)	-20.2	-7.0
Total (%)	-19.3	-21.3

Primary energy trade	2015	2020
Imports (TJ)	35 551	23 122
Exports (TJ)	12 858	7 322
Net trade (TJ)	- 22 693	- 15 800
Imports (% of supply)	140	112
Exports (% of production)	166	118
Energy self-sufficiency (%)	30	30

Total energy supply in 2020

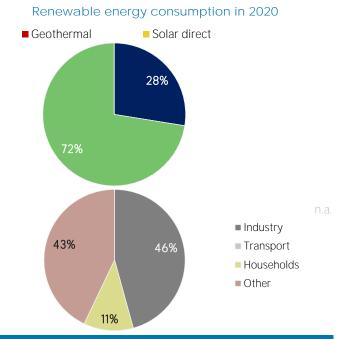


Renewable energy supply in 2020

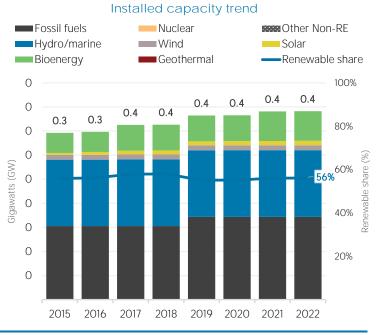


RENEWABLE ENERGY CONSUMPTION (TFEC)

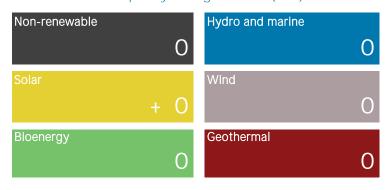
Renewable TFEC trend ■ Electricity ■ Commercial heat ■ Bioenergy 9 10 8 8 Petajoules (PJ) 6 4 2 2020 2015 2016 2017 2018 2019 Consumption by sector 2020 2015 Industry (TJ) 5 896 3 930 Transport (TJ) 0 0 Households (TJ) 805 978 Other (TJ) 2 721 3 687



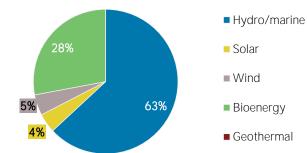
ELECTRICITY CAPACITY



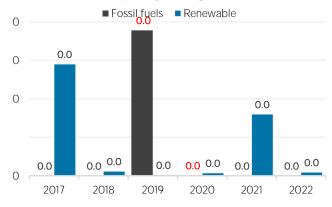




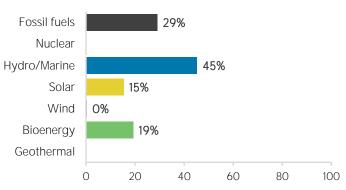
Renewable capacity in 2022



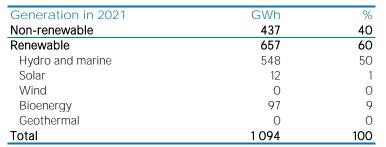
Net capacity change (GW)



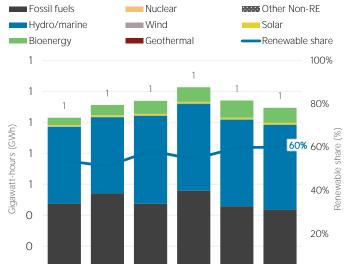
Capacity utilisation in 2021 (%)



ELECTRICITY GENERATION







2019

2018

2020

Per capita electricity generation (kWh)



LATEST POLICIES, PROGRAMMES AND LEGISLATION

0

2016

2017

1 Enforcement of Minimum Energy Performance Standards and Labelling for Freezers and Refrigerators

2012

2021

0%

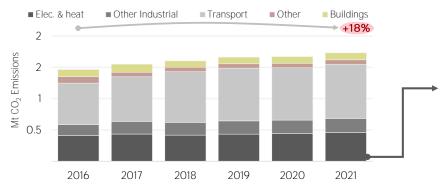
3

2

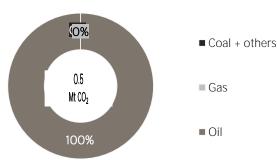
5

ENERGY AND EMISSIONS

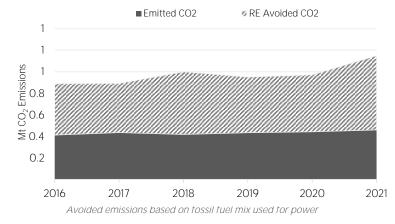
Energy-related CO₂ emissions by sector



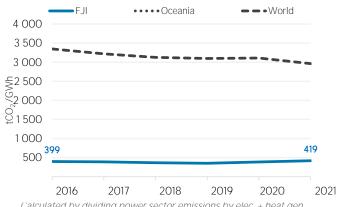
Elec. & heat generation CO₂ emissions in



Avoided emissions from renewable elec. & heat



CO₂ emission factor for elec. & heat generation

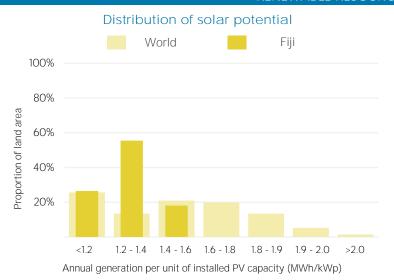


Calculated by dividing power sector emissions by elec. + heat gen.

RENEWABLE RESOURCE POTENTIAL

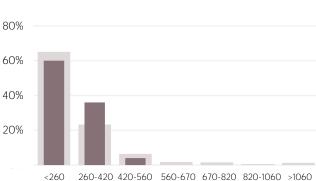
100%

Proportion of land area



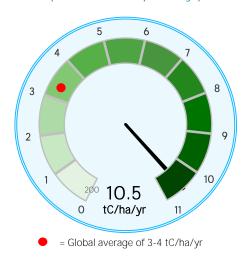
World

Distribution of wind potential



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

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

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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