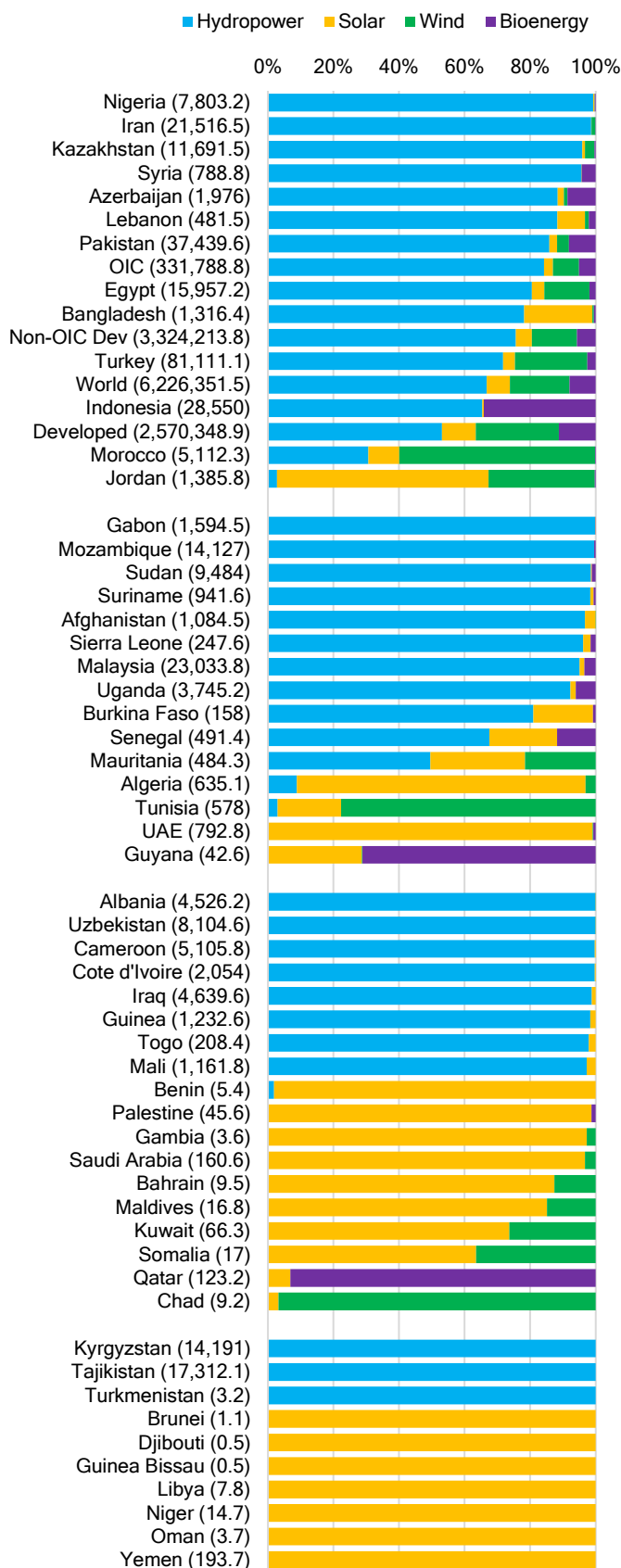


DID YOU KNOW?

2020-14

Renewable Electricity Generation by Source, % of Total, 2017



■ **Renewable energy** is generated from renewable resources, including **bioenergy, geothermal, hydropower, ocean, solar, and wind**. Renewable resources are the primary, domestic and inexhaustible natural resources that can be replenished in a short period.

■ Affordable, reliable and sustainable energy offers ideal backbone to achieving many of the **Sustainable Development Goals (SDGs)**. Globally, much effort have been put through SDG 7 to have access to affordable, reliable, sustainable and modern energy to spur the achievement of the SDGs by 2030.

■ From the composition of the four major renewable energy sources namely; bioenergy, hydropower, solar, and wind, approximately **6.2 million GWh** of electricity was generated around the world in 2017. The **OIC countries group** generated **331,789 GWh** which accounted for 5.3% of the world's total renewable electricity generated in 2017. The OIC countries group share of electricity generation from these renewable energy sources was far below that of Non-OIC Developing countries group (3.3 million GWh) and Developed countries group (2.6 million GWh) which respectively represented 53.4% and 41.3% of world's total.

■ Of the **331,789 GWh** total electricity generated from the major renewable energy sources by the OIC countries group in 2017, **84.2%** (38 countries) was generated from hydropower, **7.9%** (26 countries) was generated from wind, **5.1%** (27 countries) was generated from bioenergy, and **2.8%** (53 countries) was generated from solar.

■ Among the OIC member countries, **5 OIC countries** namely; **Turkey, Pakistan, Indonesia, Malaysia, and Iran** were the top renewable energy sources-based electricity producers with more than **20,000 GWh** in 2017.

■ While **13 OIC countries** used 4 renewable energy resources to produce electricity, **15 OIC countries** used 3 renewable energy resources, **18 OIC countries** used 2 renewable resources, and **10 OIC countries** used only 1 renewable energy resource to generate electricity.

■ As compared to our calculation on 02/04/2019 based on 2016 data, the amount of electricity generated from the aforementioned renewable energy sources by OIC countries group increased; however, solar still provided the least share of total electricity generated in OIC member countries despite 53 OIC member countries used sun as a renewable resource for electricity generation.

Note: The values in the parentheses next to country names indicate the amount of electricity generated from renewable energy sources in Gigawatt hours (GWh) in 2017.

Source: SESRIC staff calculations based on data extracted on 25/03/2020 from International Renewable Energy Agency Database. Please visit **OIC Statistics (OICStat) Database** (<http://bit.ly/2F7W8cv>) for other Energy related indicators.