Renewable Energy Country Attractiveness Index recal

6 (3)

7 (6)

9 (9)

10 (10)

11 (15)

12 (11)

2 (2)

Australia

The Australian Minister for **Energy and Emissions Reduction** published a discussion paper outlining the Government's push for hybrid vehicles, while ruling out state support for an electric vehicle rollout. This is expected to negatively impact future demand for renewable electricity.

Egypt

Egypt has announced it intends to increase the supply of energy generated from renewable sources to 42% by 2035, with solar PV providing approximately 25%, onshore wind 14% and hydro power 2%. Private developers are expected to deliver the majority of this new capacity.

Methodology

The index was recalibrated in April 2021, with all underlying datasets fully refreshed. To see a description of our methodology, including how we are accounting for COVID-19, visit ey.com/recai.

Increased attractiveness compared with previous index Decreased attractiveness compared with previous index

No change in attractiveness since previous index

Current ranking is in bold

(Previous ranking is shown in brackets)

Poland

The Government awarded 1.7GW of onshore wind and solar capacity to 96 developers through contract for difference (CfD) auctions in 2020, in a continuation of the 2.2GW awarded in 2019. Poland has also adopted a new act to promote offshore wind. This is aiming for 5.9GW of offshore wind capacity to be developed by 2030 under a CfD mechanism and almost 11GW by 2040 through further competitive auctions, reflecting US\$35b of investment.

Building a better working world

Kenya

Kenya is due to add at least 80MW of solar to the national grid, with several utility-scale projects receiving state consent recently. The Government also plans to increase the deployment of rooftop solar across Kenya, with requirements for improved import quality and greater levels

13 (12) China Mainland **16** (18) **United Kingdom** 18 of local involvement. **19** (16) The Netherlands **23** (19) **24** (25) **25** (30) Australia Germany Japan Denmark Spain **33** (33) South Korea **34** (34) Brazil Chile **39** (38) Canada Portugal Argentina Finland Switzerland Belgium Kazakhstan Under President Joe Biden, the Spain Vietnam US is ushering in a "new era" Spain's second renewables of energy policies to guide the auction, in January 2021, Hungary Jordan Thailand UK nation away from fossil fuels, awarded 2GW of solar and starting with the reacceptance The Crown Estate seabed leasing 1GW of wind capacity. In Round 4 concluded in February, of the Paris Agreement. Last the oversubscribed auction, having granted developers the month, President Biden pledged 32 companies - out of 84

to cut greenhouse gas emissions rights to provide just under 8GW of new offshore wind by up to 52% by 2030, based capacity across six projects. This on 2005 levels. In 2020, the process drew record prices and US installed 19GW of solar, a unprecedented interest from 43% annual increase, as well as energizing a record-setting incumbents and newcomers 2.2GW of energy storage alike. The UK Government systems. The offshore wind has also given consent for the development of the largest sector continues to grow rapidly, with the state of Oregon, on the battery-storage project, and west coast, announcing a target pledged £92m in funding for innovative green technologies. 3GW of floating wind by 2030.

to the Spanish Government.

participants with a combined project capacity of 9.7GW -Operational wind farms in the Flanders region of were successful. However, Belgium are facing reduced subsidy payments following record-low prices could affect the Government's decision to alter the support regime. future project delivery. Average Turbines of 2.5MW or greater will now fall into a lower prices of €24.47 (US\$29.44)/ payment band. The change is intended to reduce MWh for PV and €25.31 the burden on state financing in preparation for the (US\$30.45)/MWh for wind were planned 2024 phase-out of renewables subsidies. 43% lower than current longterm price estimates, according

RECAI 57 incorporates a reduction to the COVID-19 scoring parameter:

▲ The COVID-19 scoring parameter's impact has been reduced to one-half on account of the impacts beginning to be reflected in other datasets. Furthermore, the COVID-19 scoring parameter now reflects the real-world impacts of the pandemic from both a health and economic perspective

Hungary

Hungary continues to grow as a market for solar PV, having met its targeted 14% of generation via renewables in 2020. The latest state-run solar PV auction was significantly oversubscribed, resulting in the contracting of 390GWh per year of generation.



[RECAl Issue 57: index scores]

	Previous	Movement on previous		
Rank	rank	index	Country/region	RECAI score
1	1	•	US	70.7
2	2	•	China Mainland	68.7
3	4	<u> </u>	India	66.2
4	5	<u> </u>	United Kingdom	65.0
5	7	<u> </u>	France	64.8
6	3	▼	Australia	64.6
7	6	▼	Germany	63.8
8	8	•	Japan	61.7
9	9	•	The Netherlands	58.9
10	10	•	Spain	58.6
11	15	<u> </u>	Brazil	58.3
12	11	▼	Chile	58.2
13	12	▼	Denmark	58.2
14	14	•	Ireland	58.0
15	17	_	Italy	56.7
16	18	_	Morocco	56.6

Technology-specific scores								
Onshore wind	Offshore wind	Solar PV	Solar CSP	Biomass	Geothermal	Hydro		
58.1	60.6	57.6	46.2	45.3	46.0	40.8		
55.7	55.6	60.3	54.3	52.8	31.7	54.5		
54.2	28.6	62.7	49.2	47.4	23.2	46.4		
57.5	61.9	46.9	11.2	56.8	30.0	36.9		
55.1	53.5	53.3	22.4	48.4	37.3	43.9		
53.9	30.6	56.1	35.8	40.8	17.9	42.1		
49.0	51.5	53.0	11.5	51.2	37.2	42.9		
50.8	52.4	47.8	19.5	56.6	50.2	47.5		
49.7	45.4	46.3	10.7	46.3	18.6	21.4		
48.7	27.5	50.7	28.0	38.2	14.6	32.7		
53.8	32.1	51.8	25.9	49.8	12.7	45.7		
49.9	20.4	48.2	54.0	40.9	47.5	43.6		
50.1	49.7	43.8	11.1	41.2	14.6	18.4		
48.7	42.0	44.2	10.9	44.1	18.5	32.6		
45.1	30.2	48.7	36.3	50.3	42.2	44.5		
45.8	17.5	50.8	49.7	26.9	14.1	34.1		

17	13	▼	South Korea	56.4	40.7	41.0	50.1	18.3	50.0	14.2	32.2
18	20	<u> </u>	Israel	55.8	40.6	14.3	53.9	39.8	30.6	13.8	34.2
19	16	▼	Canada	55.4	52.1	26.8	43.9	13.9	38.7	18.0	46.9
20	26	<u> </u>	Egypt	54.5	48.6	15.2	54.4	49.9	28.6	11.9	18.1
21	22	<u> </u>	Portugal	54.4	42.7	22.6	46.7	36.5	40.5	23.1	41.8
22	28	<u> </u>	Poland	54.3	44.0	35.0	47.8	9.3	44.1	17.0	33.2
23	19	▼	Argentina	54.3	49.8	20.8	49.1	32.3	38.0	18.3	36.8
24	25	_	Sweden	54.0	49.2	37.4	40.1	10.1	42.4	17.1	36.0
25	30	_	Turkey	53.5	47.1	21.3	47.6	28.3	39.8	46.0	44.0
26	31	<u> </u>	Greece	53.2	46.4	22.6	45.4	40.6	40.3	24.6	41.9
27	23	▼	Finland	53.2	55.6	30.6	33.2	10.3	52.6	14.8	32.4
28	21	▼	Taiwan	53.0	41.0	46.0	45.6	17.7	35.8	26.6	29.6
29	27	▼	Norway	52.8	50.4	40.1	37.5	9.2	28.1	16.2	43.4
30	24	▼	Belgium	52.7	46.9	27.9	40.6	13.4	42.4	20.9	26.3
31	29	▼	Philippines	51.9	41.8	17.8	46.4	20.1	41.0	43.6	42.2
32	32		Switzerland	51.8	41.5	18.1	42.5	13.5	40.2	18.9	42.0
33	33		Mexico	50.9	42.7	19.0	47.6	23.8	38.4	42.6	34.4
34	34	•	Vietnam	50.9	42.7	42.6	46.1	16.5	38.5	12.8	44.8
35	37	_	South Africa	50.6	45.9	17.4	47.4	43.9	32.4	11.8	24.6
36	35	▼	Kazakhstan	49.6	43.5	13.7	44.9	17.5	27.1	14.5	36.6
37	36	▼	Jordan	49.1	41.6	14.0	44.2	30.5	20.1	13.5	24.2
38	44	<u> </u>	Hungary	48.4	41.2	10.9	42.1	18.0	35.3	30.2	20.3
39	38	▼	Thailand	48.0	36.5	15.0	45.9	19.5	42.2	13.4	27.5
40	43	<u> </u>	Kenya	47.9	40.7	14.7	44.1	20.9	30.4	53.1	34.8

EY | Assurance | Tax | Strategy and Transactions | Consulting

About EY

EY exists to build a better working world, helping create long-term value for clients, people and society and build trust in the capital markets. Enabled by data and technology, diverse EY teams in over 150 countries and regions provide trust through assurance and help clients grow, transform and operate. Working across assurance, consulting, law, strategy, tax and transactions, EY teams ask better questions to find new answers for the complex issues facing our world today.

EY refers to the global organization, and may refer to one or more of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. Information about how EY collects and uses personal data and a description of the rights individuals have under data protection legislation are available via ey.com/privacy. EY member firms do not practice law where prohibited by local laws. For more information about our organization, please visit ey.com.

© 2021 EYGM Limited.

All Rights Reserved.

EYG no. 003814-21Gbl ED None

This material has been prepared for general informational purposes only and is not intended to be relied upon as accounting, tax, legal or other professional advice. Please refer to your advisors for specific advice.