

7 AFFORDABLE AND
CLEAN ENERGY



SDG 7 Summary

Number of Targets	Number of Indicators
5	6

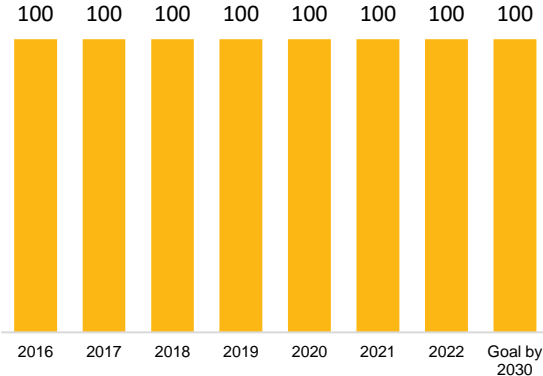
Indicator Status	
Available	5
Unavailable	1
NA	0
Related to Organizations' Account	0
Total	6

SDG 7: Ensure access to affordable, reliable and sustainable modern energy services for all

Target 7.1: By 2030, ensure universal access to affordable, reliable and modern energy services

7-1-1 Proportion of population with access to electricity services.

Figure (7.1): Proportion of population with access to electricity services (2016-2022)



7.1.2 Proportion of population with primary reliance on clean fuels and technology.

Table (7.1) Proportion of population with primary reliance on clean fuels and technology (2016 -2022)

Sub-indicator	2016	2017	2018	2019	2020	2021	2022	Goal by 2030
(a) Proportion of population with primary reliance on clean fuels and technology (%)	100%	100%	100%	100%	100%	100%	100%	100%
(b) Proportion of population with primary reliance on clean fuels and cooking technology (%)	100%	100%	100%	100%	100%	100%	100%	100%

Target 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix

7-2-1 Renewable energy share in the total final energy consumption.

Table (7.2)

Renewable energy share in the total final energy consumption (total electricity consumption by different sectors) (2016-2020)

Description	2016	2017	2018	2019	2020	Goal by 2030	
Electricity consumption by sector (MW per year)	Loss of transportation and distribution	2,532,392	2,694,696	2,786,404	2,772,002	2,774,269	-
	Electricity consumption in generation plants	2,641,801	2,831,204	3,258,544	3,440,493	3,433,881	-
	Electricity consumption in the industrial sector	12,026,249	11,261,941	12,197,379	12,124,082	10,464,179	-
	Domestic electricity consumption	25,107,915	32,095,345	32,765,544	31,536,113	33,802,149	-
	Total consumption (A)	39,775,965	46,188,490	48,221,467	47,100,688	47,700,209	-
Electricity output (MW per year)	Total net output of the network	40,135,345	43,459,957	45,065,903	46,434,716	45,826,447	-
	Total electricity production	42,306,607	45,554,730	47,912,684	49,872,690	49,258,957	-
Amount of renewable energy by source (MW per year)	The sun	8	10	5	7	8	increase
	Waste incineration	40	40	40	41	41	increase
	Total (B)	48	50	45	48	49	increase
Total renewable and non-renewable electricity consumption (MW per year)	42,308,405	48,883,236	51,007,916	49,872,738	50,474,527	-	
Renewable energy share in the total final electricity consumption (total consumption) (%)	0.0001%	0.0001%	0.0001%	0.0001%	0.0001%	increase	

Source: Qatar General Electricity and Water Corporation and PSA calculations

Target 7.3: By 2030, double the global rate of improvement in energy efficiency

7.3.1 Energy intensity measured in terms of primary energy and GDP.

Data is not available for this indicator.

Target 7.a: By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology

7.a.1 International financial flows to developing countries in support of clean energy research and development and renewable energy production, including in hybrid systems

Table (7.3) Value of development assistance for SDG 7 (2016-2019)

Unit	2016	2017	2018	2019
QR	79,284,885	623,031,444	620,300	2,068,143
US\$	21,781,562	171,162,485	170,412	568,171

Source: Ministry of Foreign Affairs

Target 7.b: By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States and landlocked developing countries, in accordance with their respective programmes of support

7.b.1 Installed renewable energy-generating capacity in developing countries (in watts per capita).

Figure(7.2): Installed renewable energy-generating capacity in developing countries (watt per capita (2016-2019))

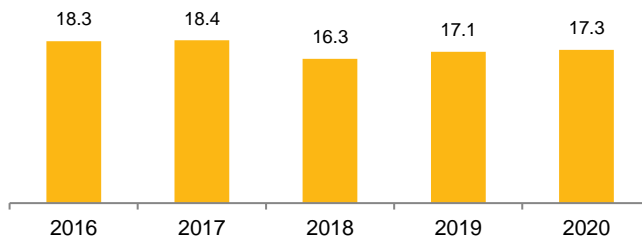


Table (7.4)

Installed renewable energy-generating capacity in developing countries (in watts per capita) (2016-2020)

Sub-indicator	2016	2017	2018	2019	2020	Goal by 2030
Renewable energy (W)	48,000,000	50,000,000	45,000,000	48,000,000	49,000,000	-
Population	2,617,634	2,724,606	2,760,170	2,799,202	2,833,679	-
Renewable power generation capacity (watts per capita)	18.3	18.4	16.3	17.1	17.3	increase

*Alternative indicator.

Source: Qatar General Electricity and Water Corporation.