



Ministry of Energy
of the Republic of Uzbekistan

Country Report

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Tashkent 2022

Republic of Uzbekistan

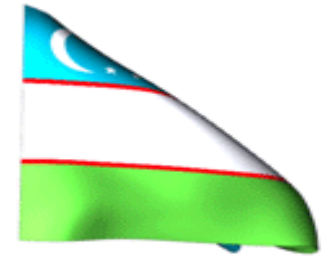
Area – 447 400 sq.km (similar with SE and MA)

Population – 31 mln (similar with Nepal and 4 times less JP)

Capital – Tashkent

Real GDP (purchasing power parity) - \$240 billion

(similar with QA and MA)



Uzbekistan: Reforms in the electricity sector



JSC "Thermal power plants"



JSC "Uzbekhydroenergo"



JSC "Regional Electric Grids of Uzbekistan"
Distribution and supply of electrical energy to consumers through distribution networks.



JSC "National Electric Network of Uzbekistan"
Transportation of electrical energy from generation sources through high voltage networks



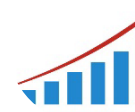
Electricity market models and transition stages identified



Together with experts from the WB, ADB and EBRD, a new version of the Electricity Law is being developed



The Electricity Grid Code is being developed with technical support from the World Bank



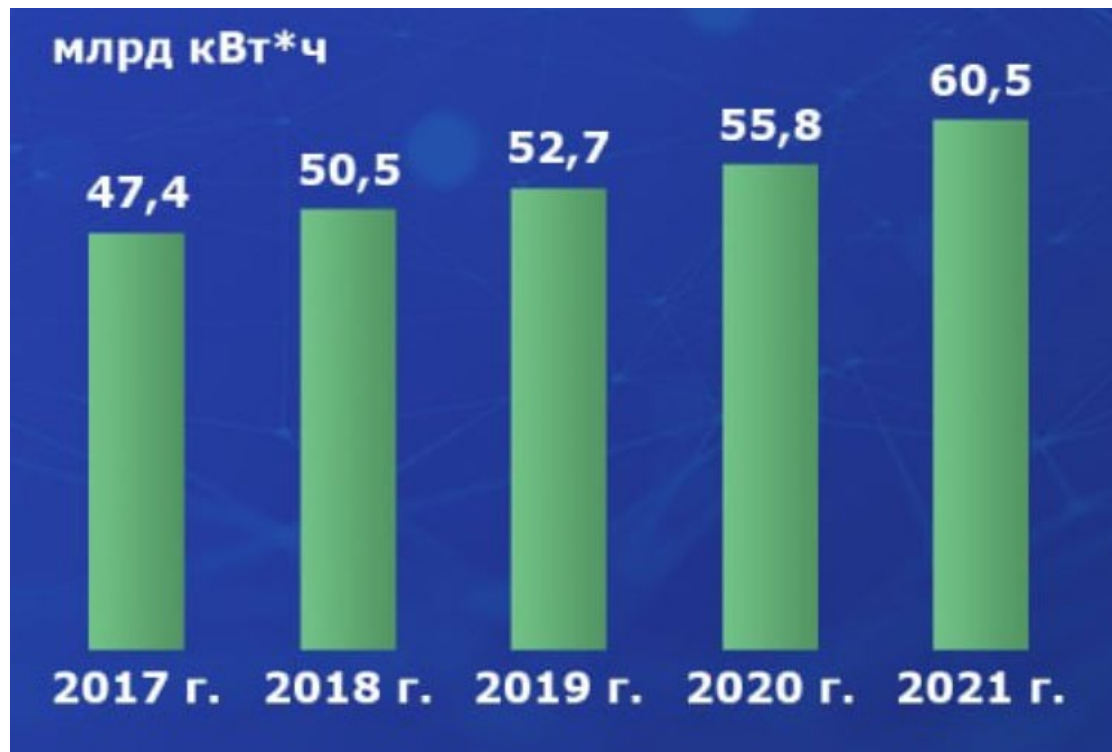
The Concept for the provision of the Republic of Uzbekistan with electric energy for 2020-2030 was developed



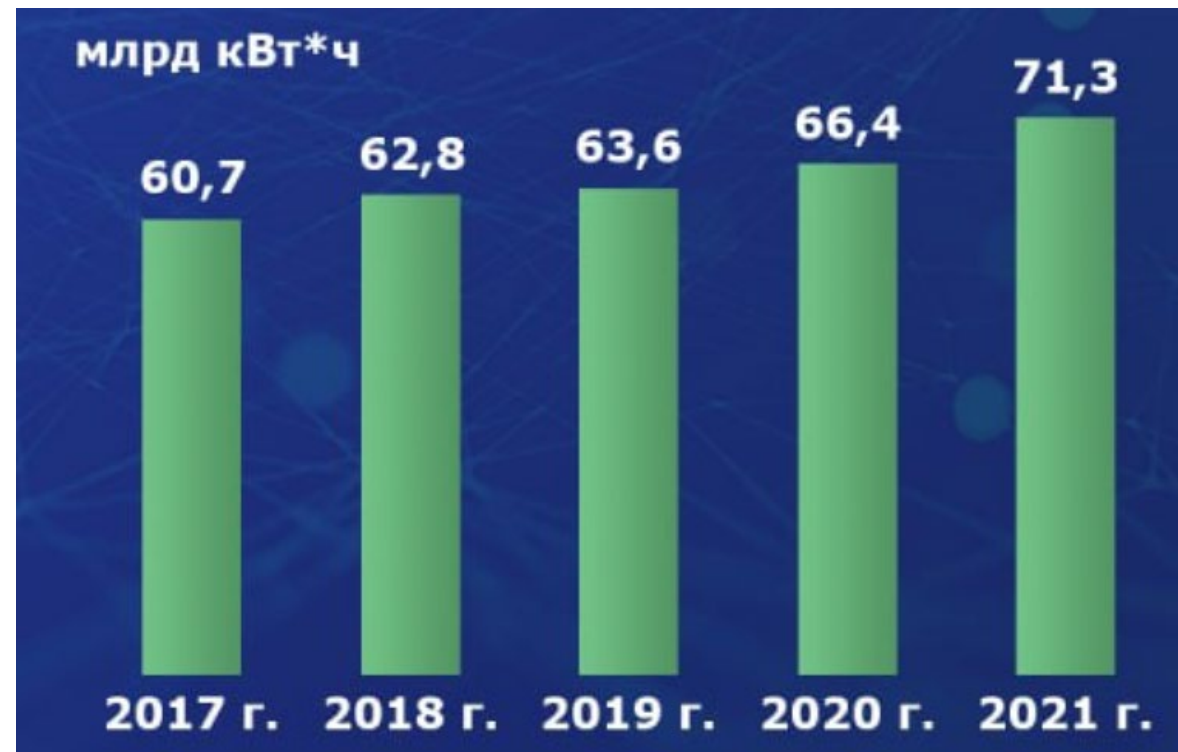
Transition to IEC standards in progress

Energy Sector

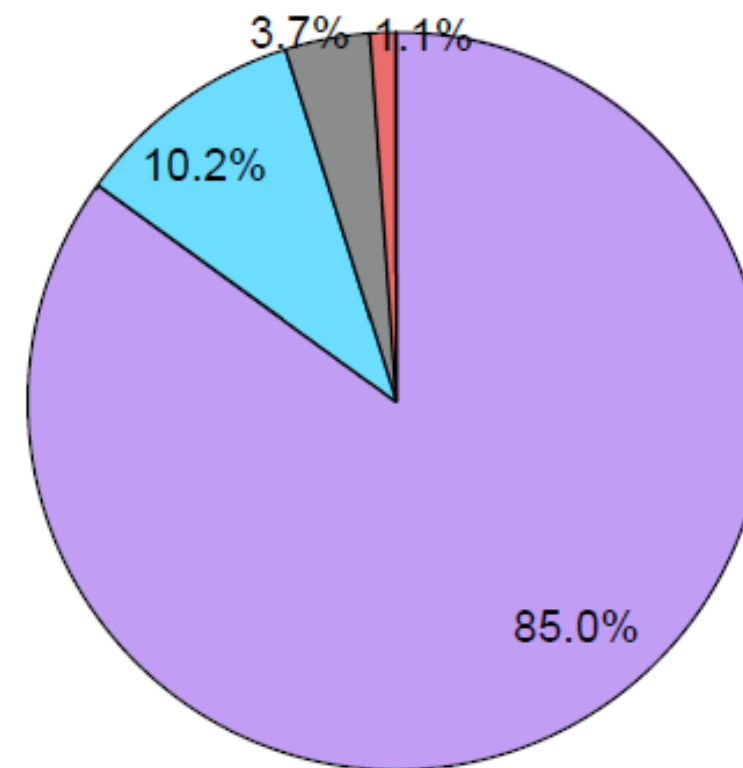
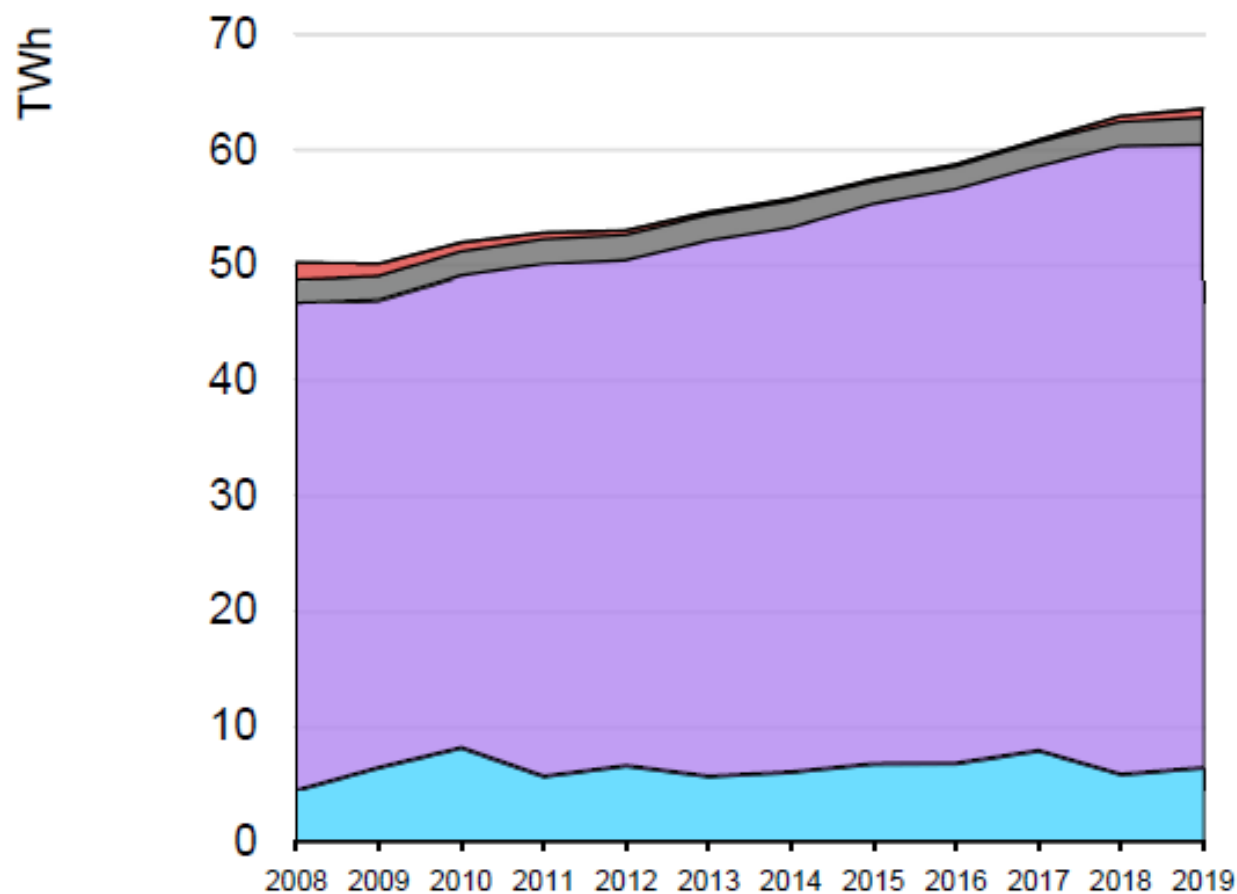
Electricity supply bln.kWh



Electricity generation bln.kWh



Electricity generation by source



Hydro

Natural gas

Coal

Oil

Wind*

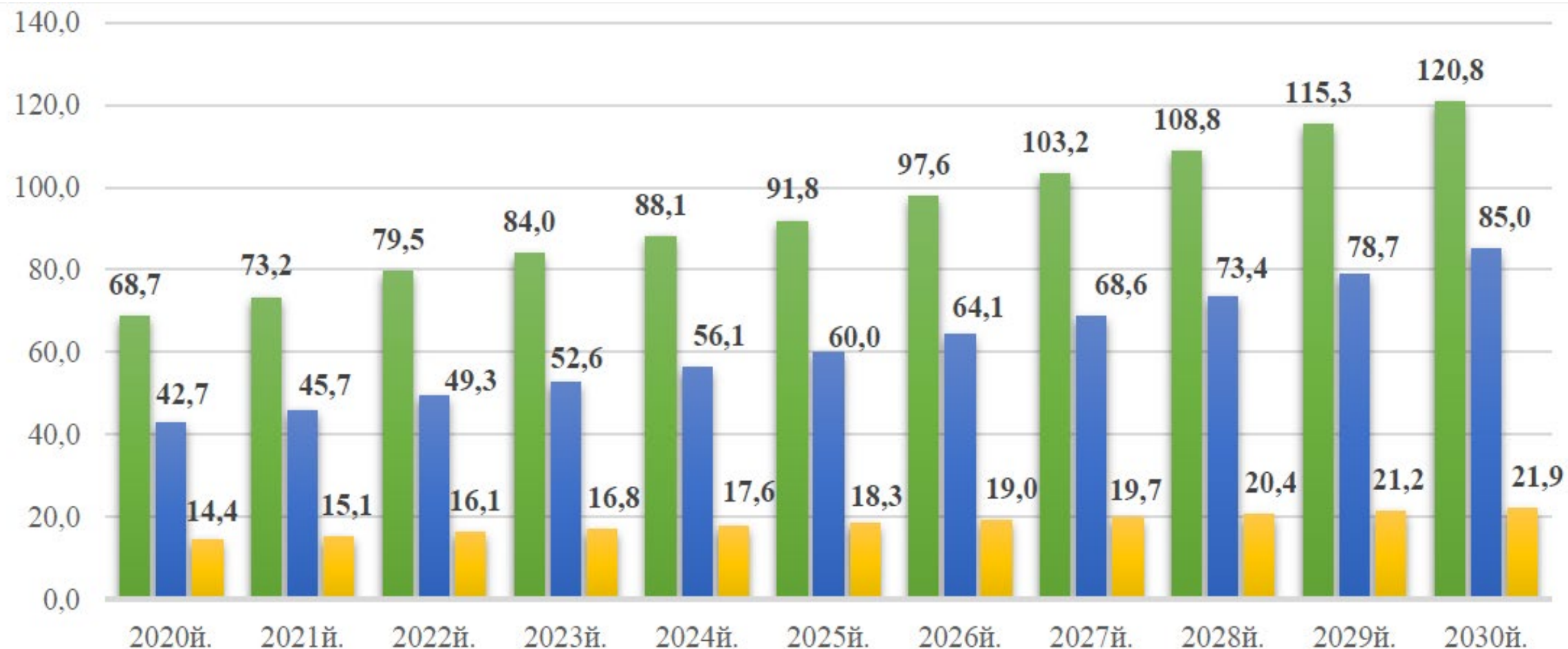
Solar*

Uzbekistan electricity consumption by sector

Sectors	Electricity consumption
Industry	40%
Population	23%
Agriculture	20%
Utility	13%
Transport	3%
Construction	1%

Energy Sector

Energy generation, Energy demand by industry, Energy demand by population **bln.kWh**



Renewable Energy Sector: Long-term targets

In accordance with the updated target parameters, as well as the instruction of the President of the Republic of Uzbekistan, new parameters for achieving RES capacity are shown accordingly:



Renewable Energy Sector: Targets

Works done in 2019-2021





	Announced tenders	6
	The number of projects	14
	The number of executed agreements	10
	Capacity of executed projects	2 897 MW
	Adopted normative and legal documents on projects	10 Presidential Decrees
	The value of signed projects	2,8 bn USD

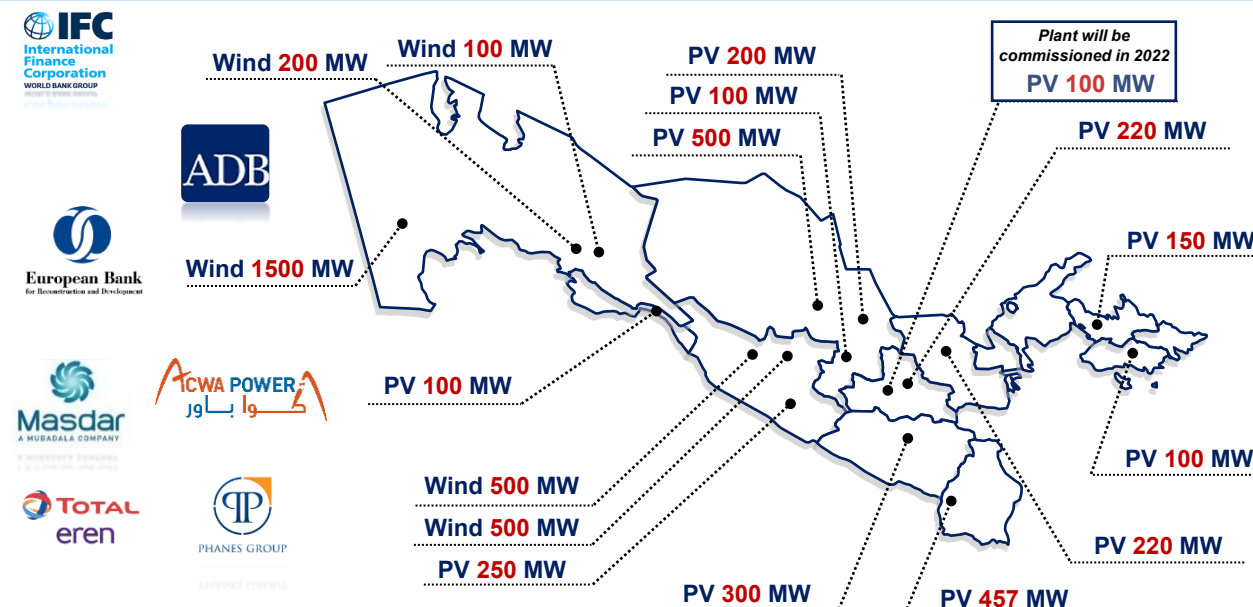
Commissioned project

Investor	Masdar (UAE)
The capacity of project	100 MW
Annual energy production	250 mn kWh
Annual natural gas savings	75 mn m3 of gas
Annual decrease of CO2	100 thousand tons
Funds raised by the investor under the project	100 mn USD



Works planned for 2022-2026

	The total capacity of renewables	8 000 MW
	The capacity of solar PV power plants	4 000 MW
	The capacity of wind power plants	4 000 MW
	Total annual energy production	22,7 bn kWh
	Total annual gas savings	8,8 bn m3 of gas
	Total investments	7,6 bn USD
	Creation of permanent jobs	2 000 new workplaces
CO2	Prevention of CO2 emissions	9,1 mn tons



An aerial night view of a city, likely Tashkent, Uzbekistan, showing illuminated buildings, roads, and green spaces. A large green diagonal overlay covers the right side of the image.

**Thank you for your
kind attention!**



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