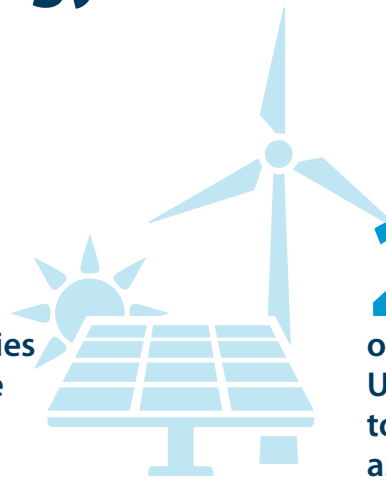


Renewable energy sector in Ukraine IS DAMAGED

47%

of the renewable energy capacities is located in the regions of active hostilities (European-Ukrainian Energy Agency)



27%

of the total installed wind capacity in Ukraine is continuing to work (Ukrainian wind energy association)

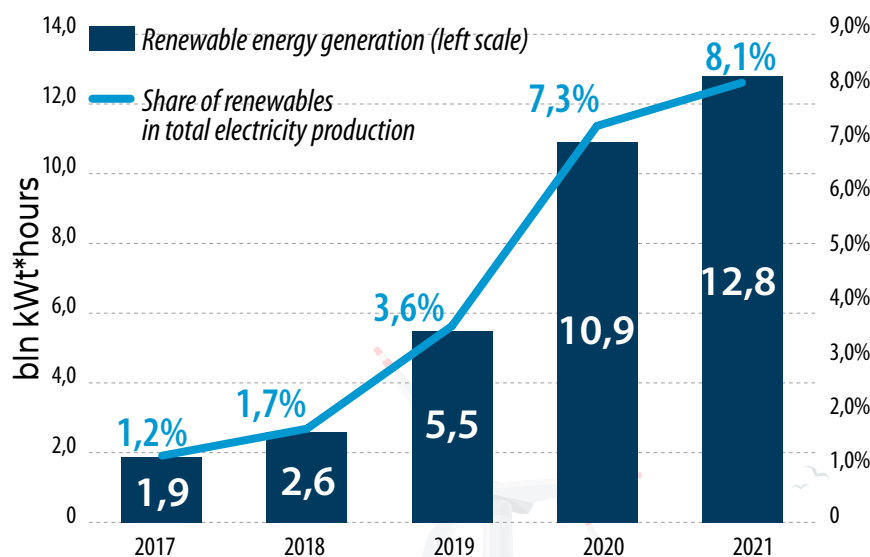
As of the end 2021, Ukraine had 9.7 GWt of renewable energy capacities, from which 78.6% are solar stations and 17.3% are wind farms. Other capacities refer to biomass, biogas, and small hydro stations.

The war threatened the operation of power plants. Many Ukrainian solar and wind stations are located in the southern regions, which were most heavily attacked by Russian troops. Wind turbines, solar panels, power lines, electrical equipment of power plants are systematically destroyed. Russian soldiers steal power plant equipment.

According to estimations of Ukrainian wind energy association, only 27% of the total installed wind capacity in Ukraine is generating electricity, others are out of operation due to damaged transformer substations and overhead power lines.

According to estimations of European-Ukrainian Energy Agency, as of March 10, 37% of ground, 35% of roof / facade solar power plants, 29% of biogas plants, 16% of small hydropower plants, 48% of biomass stations were in areas of active hostilities. In general, 47% of the renewable energy capacities were located in the regions of active hostilities.

Renewable energy sector in Ukraine in 2017-2021



Data source: Ukrenergo, Ministry of Energy of Ukraine

The separate problem is technical maintenance of renewable plants since all foreign specialists left Ukraine because of hostilities. Currently Ukrainian plant operators and dispatchers are doing their best to resolve technical issues by themselves.

Before the war, renewable energy was actively developing sector in Ukraine. Renewable energy generation increased by more than 6 times from 2017 to 2021. In 2021 renewable plants generated 8.1% of total electricity in Ukraine.

By destroying renewable power plants, the war threatens the green energy transition and energy security of Ukraine.

STOP THE WAR