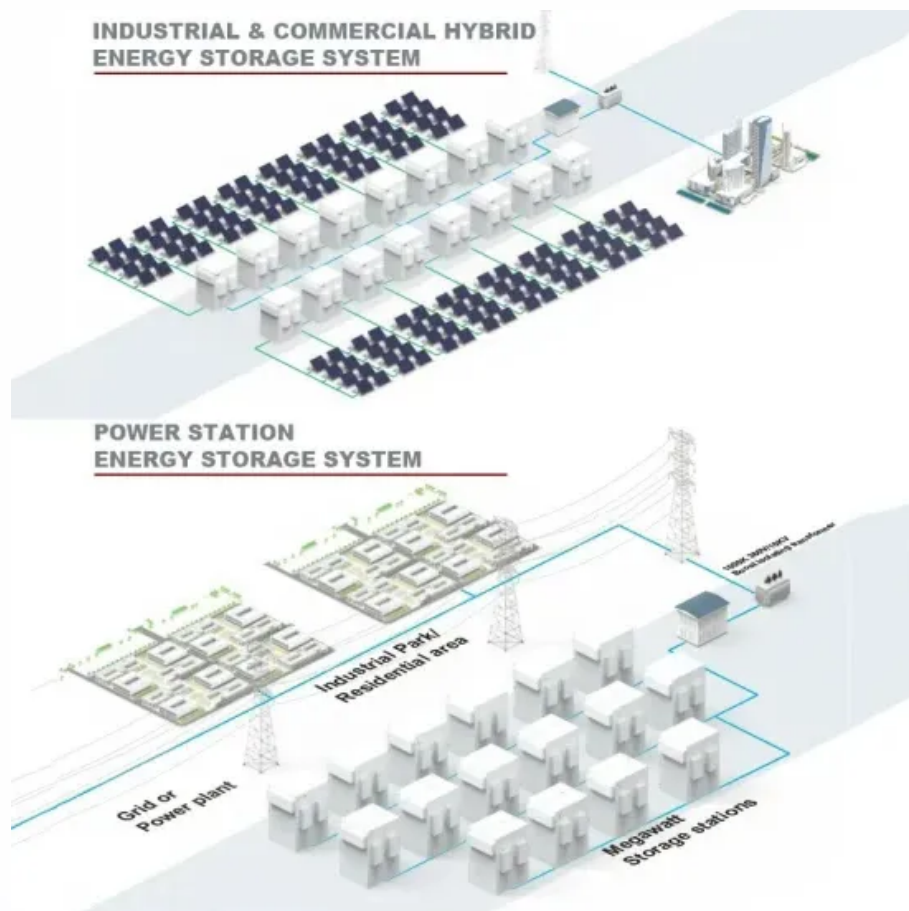


# Clean electricity tajikistan



## Overview

---

Tajikistan plans to harness its abundant natural resources, such as solar and hydropower, to generate clean energy. This initiative is crucial for reducing carbon emissions while providing reliable and affordable energy to all citizens, particularly those in remote areas. Hydropower dominates the energy mix with a share of over 40%, yet industrial and residential coal consumption has significantly increased. Inauguration of Sebzor Hydroelectric Power Plant, off-grid energy projects and infrastructure upgrades will realise ambition to fully electrify Pamir region by the end of the year. A team of researchers, led by Akita University, is working with the National Academy of . According to statistics from the International Renewable Energy Agency (IRENA), by the end of 2024, the installed capacity of renewable energy sources (RES) in Tajikistan reached 5,738 MW, which is 15.8% more than in 2015, when this figure was 4,957 MW. The ESCAP Publications Office would appreciate receiving a copy of any . Tajikistan stands out among developing countries for having achieved near-universal access to electricity by 2022.

## Clean electricity tajikistan

---



### Clean power initiative boosts energy access in Tajikistan

Tajikistan's vast water resources drive the country's cheap electricity, but much of the population experiences energy shortages during winter when freezing temperatures cause soaring demand

### Energy Policy Brief: Turkmenistan

Transport and the production of heat and electricity account for over 50% of total energy-related CO2 emissions. Thus, decarbonizing the Tajikistan's energy sector is crucial to achieving the country's



### SDG 7 Road Map for Tajikistan

Energy efficiency: reduce energy losses up to 10 per cent in power grids and up to 20 per cent in thermal grids, as well as increase the efficiency of energy use in all economic sectors, irrigation systems and

### Tajikistan's most remote province set for near-universal

The latest energy investments will result in all of the VMKB region of Tajikistan receiving clean, reliable and affordable energy by the end of 2025 and will allow for an increase in energy



### Tajikistan Achieves SDG 7: Affordable and Clean Energy



### [Tajikistan achieves power access-but faces heating and energy](#)

Tajikistan has reached nearly 100% electrification-a rare achievement among developing nations. However, a new global report warns that major gaps remain in heating, energy reliability,

Tajikistan's achievement of SDG 7: Affordable and clean energy reflects remarkable progress in the nation's energy sector, driven largely by hydropower and a growing focus on



### [Tajikistan Electricity Generation Mix 2024 . Low-Carbon Power Data](#)

This marks Tajikistan as a leader in clean electricity production, significantly reducing its reliance on polluting fossil fuels. Currently, fossil energy sources, mainly coal and gas, contribute a modest 10%

### [Tajikistan's Green Energy Roadmap: A Vision for a Sustainable Future](#)

Tajikistan plans to harness its abundant natural resources, such as solar and hydropower, to generate clean energy. This initiative is crucial for reducing carbon emissions while



### **Tajikistan's Energy Paradox**

Tajikistan's power sector is heavily dependent on hydropower, which accounts for over 90% of electricity production. While this results in low CO2 emissions, it also creates structural

### **Tajikistan leads Central Asia in renewable energy capacity**

Despite the dominance of hydropower, Tajikistan has significant potential for the development of solar and wind energy. The country receives an average of about 300 sunny days



## **Contact Us**

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.bartstudio.biz>