Renewable energy sources in the Republic of Tajikistan. Condition and prospects. Invitation to cooperation

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Resources of hydropower of Tajikistan are unique and according their reserves the republic is one of the first in the world. It defines the baseline for the development strategy of the republic energy sector.
The total amount of potential reserves of hydropower resources in our country is 526,06 billion kW/h per year. Of which 50% as a minimum, that is more than 280 billion kW/h per year, is technically possible.
Hydropower resources of the Republic of Tajikistan

Гидроэнергетические ресурсы Республики Таджикистан

Capacity Building for Sustainable Energy Regulation in Eastern Europe and Central Asia
Hydro power plant Nurek, 3000 MW capacity, is the highest in the world with its 300 meters stone-earth dam.
The use of hydropower sources of the river Vakhsh
Baypazin HPP, 600 MW capacity, with annual power generation of 2.5 billion kW/h

Байпазинская ГЭС, мощностью 600 МВт, с годовой выработкой электроэнергии 2,5 млрд. кВт. час
Sangtuda HPP-1

Installed capacity - 670 MW

Type of dam - stone with a clay core

Parameters:
- Length (a) - 520 m
- Nominal capacity - 167.5 MW
- Long-term average production of electricity - 2,733 TWh/year
- Total reservoir surface - 258 million m³
- Nominal capacity - 167.5 MW

Nominal capacity of 4 hydroengines - 167.5 MW

Water reservoir volume:
- Total - 258 million m³
- Useable - 258 million m³
- Reservoir surface - 9.75 km²

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ENERGY COOPERATION BETWEEN THE EU, THE LITTORAL STATES OF THE BLACK & CASPIAN SEAS AND THEIR NEIGHBOURING COUNTRIES
Kayrakkum HPP, capacity 126 MW – Syr Darya river

На реке Сырдарья - Кайраккумская ГЭС мощностью 126 МВт.
Mini HPP built in settlement Chashmasor of Faizabad region
Solar energy sources
Thank you for attention

Благодарю за внимание