



# Overview of renewable energy in Uzbekistan

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# Strategy of actions on priority directions of development of the Republic of Uzbekistan in 2017-2021

- expanding the use of renewable energy sources;
- wide introduction of energy-saving technologies into production
- reduction of energy intensity and resource intensity of the economy

# Renewable energy resources

Solar energy: from 525 to 760 billion kWh

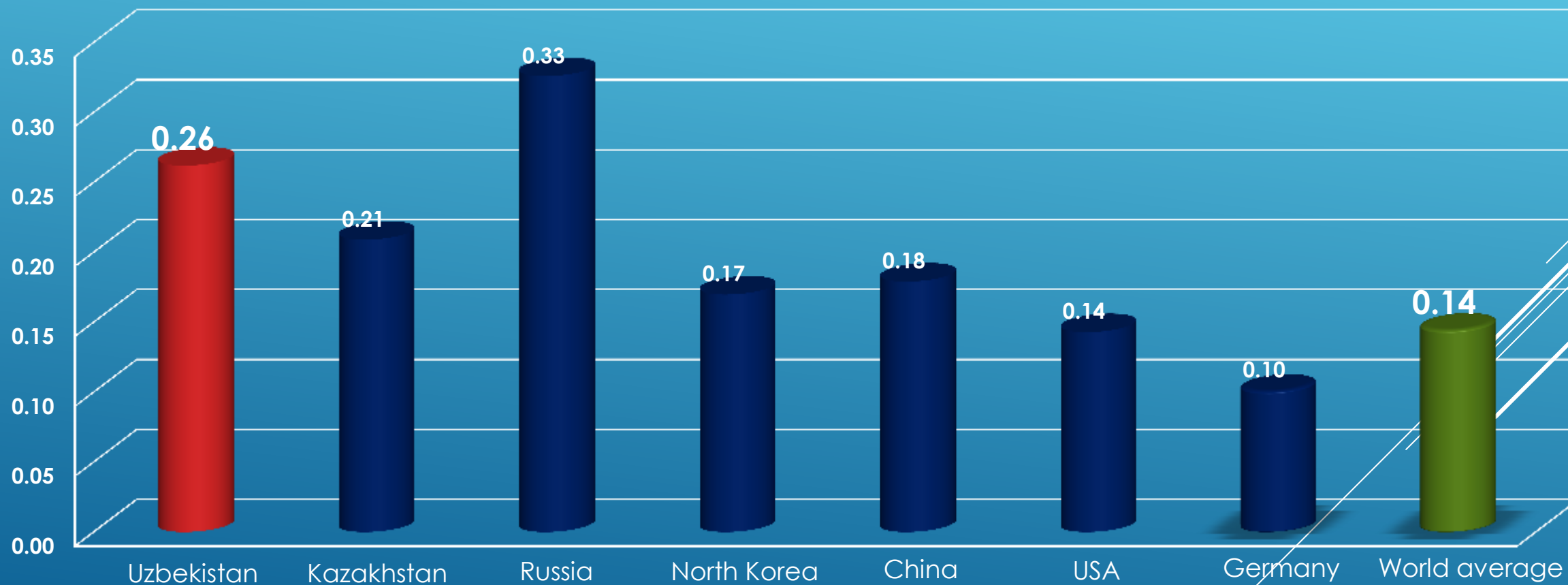
Wind energy: up to 1 trillion kWh

Hydropower: more than 21 billion kWh

Biomass: about 6 billion cubic meters

# Energy intensity of Uzbekistan

Energy intensity of GDP, kg. oil equivalent/dollar US



# Steps taken to reduce energy intensity

- Decree of the President of the Republic of Uzbekistan 2016 "On Additional Measures for accelerated renovation of physically worn out and obsolete equipment, as well as reduction of production costs of industrial enterprises "
- Decree of the President of the Republic of Uzbekistan of May, 2017 "On the Program of Measures for the Further Development of Renewable Energy, Improving Energy Efficiency in the Spheres of the Economy and the Social Sphere for 2017-2021 ".

# Targets

Reduction energy intensity - 7 % per year

By 2025 bringing the share of:

- Hydro power from 12.7% to 15.8%;
- solar energy to 2.3%;
- wind power to 1.6%.

At the same time, it is planned to build:

Hydro power plants - 1243.9 MW

Solar power plants - 450 MW

Wind power plants 302 MW.



# Program of measures for the further development of renewable energy



## The Law "On Renewable Energy Sources"

It is aimed to provide:

- guaranteed connection of energy producers to a single electric power system;
- guaranteed purchase of renewable energy from incentive tariffs;
- investment attractiveness of the construction of renewable energy facilities for public and private entities;
- a unified system of public administration for the development of renewable energy use;
- development of human resources potential in the field of RES and others.


# Existing state organizations

Government agencies шa Uzbekistan:

- Ministry of innovational development;
- Ministry of Economy;
- International Solar Energy Institute;
- JSC "Uzbekenergo";
- JSC "Uzbekgidroenergo";
- State Ecology Committee of Uzbekistan;
- JSC "National Energy Saving Company";
- NPO "Physics-Sun" of the Academy of Sciences;



# Next Steps

- Adoption of the law "On Renewable Energy Sources";
  - Adoption of the Law "On public-private partnership";
  - Improvement of the management system for the development of renewable energy use;
  - Development of human resources potential;
  - Attraction of investments and others;
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# Thank you!

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