

Regional Workshop on Renewable Energy in Central Asia

Abu Dhabi, UAE, 26 April 2017

THE REPUBLIC OF TAJIKISTAN MINISTRY OF ENERGY AND WATER RESOURCES



REPUBLIC OF TAJIKISTAN



Capital: Dushanbe
Total area 143,100 km²
Mountainous area 93%
Water area 1.8 % of total area
Plain territory 5.2 %
Population 8.6 mln. (Estimate 2015)



Strategic goals of Tajikistan

- **NATIONAL DEVELOPMENT STRATEGY:**



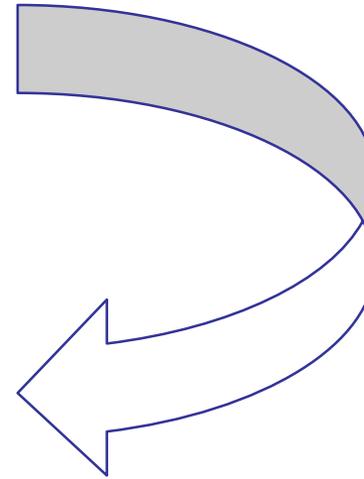
ENERGY SECURITY



TRANSPORT CORRIDOR



FOOD SECURITY



THE LAW OF THE REPUBLIC OF TAJIKISTAN ON THE USE OF RENEWABLE ENERGY SOURCES”

President Republic of Tajikistan

Dushanbe, January 12, 2010 . № 587 (from 23.11.2015r. [№1254](#))

Long-term objectives – until 2030



- **PROJECTED PRODUCTION CAPACITIES 10 GWT**
- **ELECTRICITY EXPORT 10 BILLION KWT PER HOUR**
- **ELECTRICITY LOSSES DOWN BY 10 %**
- **STABLE AND RELIABLE PROVISION OF ELECTRICITY POWER TO POPULATION AND COUNTRY'S ECONOMY**

“THE LAW OF THE REPUBLIC OF TAJIKISTAN ON THE USE OF RENEWABLE ENERGY SOURCES”



CH. 2. ORGANIZATIONAL LEGAL FRAMEWORK FOR THE USE OF RENEWABLE ENERGY SOURCES

Article 4. Renewable Energy Sources :

- The following shall comprise renewable energy sources, in accordance with the legislation of the Republic of Tajikistan:
 - - solar power;
 - - wind power;
 - - power of natural and synthetic stream flows and reservoirs;
 - - geothermal power;
 - - refuse wood, biomass as manufacturing, agricultural, forestry, and municipal and household waste

RE related-statistics of Tajikistan Energy Profile



Potential for generate 527 billion. KW. hours per year

The installed capacity of power plants of 5700 MW

**Of these, 95% hydro and 5% thermal power stations
The annual generation more than 17-20 billion. KW. hour**

Excess of hydropower in the summer months (from 3 to 5 billion. KW. hour)

Winter energy shortages

Power Projects Implementation



Support in period 1 (summer)

- Sangtuda HPP-1 (174,6 mln. USD – Taj. Gov. 524 mln. USD – Rus. Gov)
- Sangtuda HPP-2 (40 mln. USD – Taj. Gov. 318,8 mln.USD – Iran Gov.)

Support in period 2 (winter)

- DUSHANBE-2 TPP 2x150 MW – SECOND PHASE (300 MW)
- SHUROB TPP (300 MW)
- FON YAGNOB TPP (700 MW)



Investment opportunities of the energy sector and Power Projects Implementation



- **COMPLETED PROJECTS 1.8 billion USD**
- **ONGOING PROJECTS 649.3 million USD**
- **PROJECTS ON DESIGN AND PREPARATION STAGE 670,5 million USD**
- **Investment:**

Support: From the state institutions

Demand for energy: Domestic and foreign

Stability and conditions: Attractive legislation for investors, particularly in the energy sector

Expenses: Low investment`s expenses

Our Development Partners



ADB
63,27 mln. USD – loan
366, 77 mln. USD – grant



WB
97 mln. USD – grant
17,2 mln. USD - loan



IDB
165,2 mln. USD – loans



KfW
18,0 mln. Euro–loan
13 mln. Euro-grant



KFAED
28, 4 mln. USD –loan



SECO
19,2 mln. USD– grant



OPEC
8,5 mln. USD – loan



China Eximbank
801,43 mln. USD –loan



EBRD
199 mln. USD – loan
60,3 mln. USD - grant



BT co-financing
63,63 mln. USD



Thank you for your attention !!!

