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Renewable energy sector



ENERGY-EFFICIENT TECHNOLOGIES

The share of domestic energy sources is 26.4%

In Belarus the share of domestic energy sources in energy carrier balance for generation of heat and electrical energy is 26.4%. It is in the planning stage to increase this share to 28% in 2015. For this purpose it is necessary to increase consumption of heat secondary energy resources, wind turbines, biogas and hydropower.

The share of renewable energy is 5.4%

The share of energy generation from renewable energy sources in gross energy sources output (GESO) is increasing for the last seven years. According to preliminary data, in 2013 the share of renewable energy in gross energy sources output was 5.4%.

The share of wood fuel energy is 96%

In Belarus consumption of wood fuel is uppermost in the balance of renewable energy sources generation. So in 2013 this share was about 96%. The share of wind, water and sun energy in total generation does not exceed 2%.

308 plants function on wood fuel

Annual consumption of wood fuel in 2013 exceeded 3.4 million tones of reference fuel. Altogether in Belarus 308 plants functioned at the end of 2013. Their statutory output is 488 MW.

24 biogas power plants function

24 biogas complexes and power plants with total output of 25 MW function on landfill gas.

46 hydro-electric power plants function

46 hydro-electric power plants with total output of 32.1 MW functioned at the end of 2013. The current output of hydro-electric power plants in Belarus consists only 12.8% of the hydropower potential of the country.

15 serial wind turbines

15 serial wind turbines function in Belarus. Their total output is 6.85 MW. According to the specialists' research the pay-back period of wind turbines in Belarus is about 5 years. The largest wind turbine is the one in Novogrudok with total output of 1.5 MW (which amounts 17% of the town demand day).

22 solar batteries

At the end of 2013 in Belarus 22 plants functioned, which converse solar energy into electricity and heat. Their total output is 1.9 MW.

9 geothermal power plants

There are only 3 geothermal power plants with total output of 2.4 MW in Belarus. The potential for geothermal energy use in Belarus is very low because of geological features.

It is planned to increase consumption of domestic resources up 32.0%

In Belarus it is in the works to increase consumption of domestic resources up 32.0% in 2020 as part of energy efficiency improvement and own resources consumption program.

Growth of interest to this sector for foreign investors

Inward investments to the energy efficient technologies sector are mainly related to financing as part of cooperation with the World Bank and the UN. However, so long as such projects are pilot ones, the interest to this sector among foreign investors, who have sufficient experience in a particular type of energy technology, picks up, following the implementation of the projects.

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The company's activity is focused on investment banking; support of foreign investors and attraction of financing for national companies; conducting marketing and analytical research; project and asset management.

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