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Decision of problems in the fuel and energy complex of Ukraine

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The fuel and energy complex of Ukraine is characterized by the growing deficiency of domestic primary energy resources; increase in their cost in the global market and external supply problems; low use efficiency of the available fuel and energy resources, actual absence of diversification of fuel supply sources, all of which poses threat for the national security of Ukraine.

Consumption of primary energy in Ukraine gradually reduces. In 2010 118 tons have been consumed which is the half of 1987 level, and 2% lower than in 2000. Another observation is the reduction in the number of oil equivalent kilogram per one dollar of which in 2010 was 0,39. It is almost three times less than in 1987 and 2000.

Ukraine has elaborated the Economic reform program of Ukraine for 2010-2014 which sets out that Ukraine's energy sector has unique spare capacity for power generation however a number of problems limit the capability to sustainably provide the economy with power energy:

- obsolescence and depreciation of key assets of power sector enterprises (about 80% fixed assets of thermal power plants, and 60% of fixed assets of power distribution companies are used-up) as a result of lack of budget funds and unattractiveness of the industry for private investments;
- low efficiency and power production and transmission (power resource consumption in the generation is 35%, and expenditure level at transportation is two times higher than in the OECD countries;
- critical financial and economic condition of thermal generating and power distributing companies, high indebtedness rate among energy market players.

Problems in the fuel and energy complex of Ukraine could be solved only with the help of comprehensive measures, in particular due to the use of environmentally sound renewable energy sources, of which the most wide spread and accessible for Ukraine are geothermal energy and ambient energy of the biomass and small rivers. Energy saving due to the use of renewable sources has become and vital necessity of the time, as it furthers solving of not only energy supply problems, but also many environmental and economic problems to ensure national income growth.

KEY WORDS

fuel and energy complex

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