

EVALUATION AND PROVIDING OF THE UKRAINE 'S ENERGY

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Economically developed countries of the modern world depend to a great extent on secure energy supply which means not only guaranteed energy supply but sustainable energy prices as well. In the 1970-th the world price for crude oil has risen in four times. In case if this happens again it will cause serious sharp problems with oil supply for those countries who import oil. These consequences will be not only of the economical origin, but political as well. The problem of energy safety has strategic essence because of the sharp discussions in the oil market and recent increase of the oil prices, threat of terrorist attacks of the key elements of the infrastructure.

Theoretical and applied aspects of the problem of energy safety and its influence on the integration process are of global essence. For that reason these aspect were researched by a number of foreign and Ukrainian scientists. The problem of energy safety is being researched by I.V. Perebyjnis, V. O. Barannik, B. I. Basok, O. V. Kyrylenko, M. M. Kulyk, V. V. Mykytenko, I. M. Karp, S. P. Denysuk, A. V. Goncharenko, I. N. Dudar, I. V. Dajak, V. Andrijchuk, O. Cheredichenko, B. S. Stognij et. al. This problem is being researched by Russian scientists as well. Among them we should mention A. I. Shevcova, S. F. Yermilov, V. Ishkin, S. Gerasymenko. Western economists researched this topic as well. For instance, Jeimy Shey, Samul Bodmen, Kollin Robinson, Poul E. Saymons, Ailling Marshal et. al. Irrespective of a great amount of scientific researches that deal with the problem of energy safety there is no single method of finding ways how to secure energy safety of the country. Judging from the methodological researches that were conducted we can make conclusion that this topic has to be researched today.

The main aim of the research is to determine ways of developing energy safety of Ukraine on the basis of evaluation its contemporary state.

Energy safety is the level of development of the electrical energy industry that satisfies current and perspective consumers' needs in energy and safe environment. Energy safety is the country's possibility to provide consumers with necessary amount of energy resources and of the proper quality. These governmental authorities should provide in both usual conditions and under the influence of distractive factors, internal and external, so that they could secure all basic needs in energy resources of people, cities, towns and regions.

Today Ukraine almost totally depends on the energy resources supply from Russia. Approximately 75-80% of energy resources Ukraine get from Russia and only 10-12% of oil and 20-25 % of gas are our own. That is why Russia remains our main supplier of energy resources because of their big size and close territory for transporting. At the same time if we solve the problem of diversification of the energy supply we will become politically independent and free to choose who we should sign contracts with. Consequently solving the problem of energy dependency is the main condition of becoming Ukraine an independent country. In order to secure energy safety of the country governmental authorities should use two types of methods: *priventivniy* and *liquidating*.

We assume that energy safety depends on the development of biodiesel production. Biodiesel production should become the state's strategic sphere of the economy because usage of new biotechnologies will decrease the country's energy dependency, provide creation of new working places and improve the ecological situation. There are two alternative scenarios. According to the first one Ukraine can become the chief supplier for foreign countries of the raw materials for biodiesel production. The second one is more profitable. Ukraine with the usage of the foreign capital can organize its own biodiesel production. Considering the vast territory of fertile soils of Ukraine and the world rapeseed oil prices' dynamics it is possible for our country to secure our own needs with biodiesel and thus decrease dependency from the countries that are oil-exporters. We should also notify that the prices of the rapeseed oil have the tendency for going up and as a result we will be able to provide high profitable enterprises and energy safety of the country. Aspects of the alternative fuel production should be controlled by government. It is really necessary at present time to create separate governmental institution for *regulating* biodiesel production. If we minimize state subsidies of this production we will reduce corruption development. We should emphasize not on the state financing but on the economical mechanism of financing which will provide clear and understandable *rues* in this sphere.

At the same time while talking about decrease of the energy dependency we should mention saving energy and its less consumption. Energy saving is a good way of providing Ukraine with all necessary energy resources. With the usage of new modern technologies Ukraine can save at least 10% of energy resources. Ukraine will be dependent on oil and gas supply losing big sums of money if it will not change the structure of national production and new energy saving technologies. That it why it is really important for the country to improve the governmental control in the sphere of energy and providing new energy saving technologies.

Energy safety is relatively new but at the same time essential topic for international discussions. This topic is particularly important for Ukraine. International crisis can be caused at any by the increase of global demand for energy resources and the development of the processes of intergration. Consequently national economy of Ukraine can gain a lot in the sphere of energy safety from development of international relationships with foreign partners.