

changes of the structure of national production, implementation of energy saving technology; this would lower dependence from oil and gas import and lead to economy stabilization and provide the conditions for energy safety of the country.

Keywords: energy saving policy, energy safety

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INDICATORS OF COAL INDUSTRY IN THE CONTEXT OF THE NATIONAL ECONOMIC SECURITY

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Purpose. To rate the main factors and indicators of the national economic security, in particular the degree of the country's provision with primary natural resources which determine the global energy consumption trends.

Methodology. Analysis of components comprising the fuel and energy complex of Ukraine in view of survivability and heuristic algorithm for finding economically feasible reserves. The problem of finding the optimal flow distribution is solved by graphs.

Findings. Emergencies are ranked in the descending order of optimal flows in the normal mode, the sorting sequence is defined, which results in the optimal solution via a minimum number of the algorithm computational steps. A universal algorithm for the development of fuel and energy complex of Ukraine has been designed. It was found that the vitality of integrated energy systems can be defined as the property to resist a large scale external disturbance, maintaining the ability to operate with acceptable performance and backup indicators. When considering large energy systems, the levels of the industry reserve can be reduced due to interchangeability of energy resources.

They contain the researches, which were conducted within the project GP – 501, financed by Ministry of Education and Science of Ukraine.

Key words: fuel and energy complex, optimal flow distribution, performance indicators, emergency, industry reserve, energy consumption

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SOME ASPECTS OF MINING FOR THE GLOBAL ECONOMY

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Mining represents a wide segment of the economy, including about 6 thousand companies and 2.5 million employees worldwide, as well as an informal component known as traditional and small mining business, covering about 15-25 million people. The industry affects the interests of many actors, including the state (which plays a key role in the role of the regulator, allowing mining companies to maximize their contribution to the economy), investors, contractors and suppliers, service companies, indigenous people and their organizations, settlements affected by development, trade unions, research organizations and consumers.

Only for the period of 10-12 years (from 2002 to 2012) the role of mining in the global economy has grown rapidly. The total volume of mining products at value in 2012 was six times higher than in 2000 and 60% higher compared to 2008. Data shows that during this period the growth rate of the mining industry significantly exceeded the global GDP(Gross domestic product) growth rate , reflecting the relative increase of the importance of mining for the global economy.