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THE ROLE OF ENERGY IN THE SOCIO-ECONOMIC DEVELOPMENT OF OUR COUNTRY AND AGRICULTURE

Annotation: This article covers the use of solar energy, organic fuel energy, chemical energy, water energy in rivers, seas and oceans, wind energy and nuclear energy from the energies in the socio-economic development of our country and agriculture.

Key words: electrical energy, quality level, technical progress, exteriors, energy sources.

The development of human society, its achievements on the path of civilization and development are inextricably linked with the rise in productivity of cocktails and the improvement of material wealth in people's lives. Science and social progress are observed with the growth of consumed energy and the acquisition of new ones, even more useful ones.

The energy value that modern machines consume is very large. It is true that the following comparison is relevant: all citizens of the world work 8 hours a day and receive energy in a year at the moment they would not have developed a share of one hundred and a half.

The process of energy consumption in our universe is very uneven. For example, elegiac’s per capita electricity consumption in 1983 year amounted to 21350 kWh, and in the nose 11 kWh.

The modern development of the technique is characterized by the abundant consumption of energy, and therefore is a period of the scientific and technical revolution, the difference in quality from previous developments will do. The quality level is first and foremost manifested in the large-scale revolutionary

silences of the production forces in cocktail guns, equipped with highly efficient automatics.

Technical progress and the development of civilization are directly related to the energy value used from ancient historical times. If in the first stages of the development of mankind, he possessed the energy of his own muscles and animal muscles, then a large part of the work was to be done with the help of machines. Going into the secrets of nature, people tried to use them for their exteriors. Many uses of energy on the environment of mankind the increase in their knowledge is related to the current.

To energy, extiyac went to the middle without interruption. It is felt that the search for new ways to convert energy sources and energy from one type to another is overwhelming.

To date, solar energy, organic fuel energy, chemical energy, water energy in rivers, seas and oceans, wind energy and nuclear energy are being used.

In the future, work is being carried out on the problem of using thermonuclear energy, which will be characteristic of the synthesis of light elements. This problem is solved, despite the fact that the energy reserves are running out, the future extortion of mankind to energy is full can be satisfied. The intense development of the technique and its current level, from new types of energy, first of all from electricity could not reach without use. Electricity is widely used in human life. Without exaggeration, it can be said that the moderate life of modern society is difficult to save without electricity. Electric power driving a variety of cars in the industry for and directly in technological processes, transportation is widely used. The performance of modern means of communication - telegraph, telephone, radio, television-is based on the use of electricity. Cybernetics, computing machines, the development of the universe technique would not have developed without electricity. The main feature of electricity is that it can be easily transferred over long distances and replaced by other types of energy with low losses. Mankind is a geophysical and geological process that takes place in the atmosphere, and ever, the power that is then obtained artificially it is appropriate to

compare the capacity of the processes taking place in the universe. Thus, it is necessary to look at the concept of energy in the interconnectedness of natural systems with artificial systems, without limiting themselves to the artificial system - the system created by mankind.

The following comparison of the power of artificial systems created by mankind and the power of natural geophysical processes is presented. The sun radiate large amounts of energy into the universe throughout the year, the Earth from themon the surface, the energy equal to $5 \cdot 10^8$ km^2 of water reaches approximately 101 μg of water. And this is 85600 billion. kW means force. In 1983, all types of energy were produced and used on Earth $(80\text{-}83) \cdot 10^{12}$ kWh. In the world, 8360 tWh electricity is produced per hour in one year.

The average power of the earth to the surface of 1 km^2 falls on solar energy, which is equal to $17 \cdot 10^4$ kW, and the power of primary energy sources to use this energy is approximately 19 kW. These power mutual 104 midribs is different. The sun occupies a great place in the heat balance of the Earth. Its radiation power, which coincides with the Earth, mankind will receive and more than the capacity of the processes taking place in nature is more than midribs. The power of the sun, which mankind can not use in the present period, is the Earth's own from the capacity of rotation around the axis ($3 \cdot 10^{13}$ billion kW).

However, the total power of electricity in the World (2 billion. kW) can now be compared with many natural processes. For example, the average power of danger whites in the universe $(25\text{-}30) \cdot 10^9$ kW. In turn, the average power of storms $(30\text{-}40) \cdot 10^9$ kW. The total power of sea waves $(2\text{-}5) \cdot 10^9$ kW. When comparisons are made, not only the power of turbulent electricity, but also the power of energy devices in motion must also be taken into account. For example, the total capacity of all passenger carriers to the world is not less than $0{,}15 \cdot 10^9$ kW. Especially high-speed aircraft flying in the upper layers of the atmosphere badly affect the Ho layer in the atmosphere.

Low capacities of stationary power plants cause significant damage to both the biosphere, because they have a large duration of work throughout the year.

Thus, as a result of the use of energy and other devices, pollution of the atmosphere and the burning of a large amount of organic fuel, the composition of its airspace changes; pollution of the World Ocean; the construction of a hydro power station, which led to the development of landfills water immersion; forest cutting; the impact of thermal power on the overall heat balance of the whole world big problems come out. When designing energy systems, their impact on the environment during its development and use should be considered by all its characteristics. Therefore, knowledge of nature and the employees in it is very necessary to the engineer energetics.

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