ENVIRONMENTAL ISSUES IN UNITED STATES OF AMERICA THAT NO ONE ILLUSTRATED ABOUT IT BEFORE.

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Abstract: *This article analyzes the environmental problems faced by the United States. Issues such as air pollution, climate change, water scarcity, waste management, and degradation of natural ecosystems were addressed. The article examines the impact of these problems on public health, economic development, and the environment. The need for sustainable development, increased energy efficiency and the introduction of technological innovations to combat the environmental crisis is emphasized.*

Keywords: *USA, environmental problems, air pollution, climate change, water resources, waste management, natural ecosystems, greenhouse gases, sustainable development, environment.*

INTRODUCTION

Currently, in the world in the era of industrial and scientific and technological revolution, the socio-economic development of mankind has changed dramatically. As a result of these rapid changes, humanity has faced a number of environmental problems in the world. The reason why such environmental problems are called global is that these environmental problems have an impact on all processes occurring on OUR PLANET and on the living conditions of living organisms.

One of the global environmental problems is the destruction of the ozone layer. The ozone layer is a shield of the earth's surface that captures the ultraviolet rays coming from the sun. It is known that ultraviolet rays negatively affect living organisms on the Earth's surface. Radiation causes diseases such as skin burns and skin cancer in humans. It causes serious damage to grain yields.

LITERATURE ANALYSIS AND METHODOLOGY

Since the 1950s, there has been an increase in the content of freon gases (chlorine, fluorine, carbon) in the air. This led to the destruction of the ozone layer (ozonosphere) at a distance of 25 km. As a result, an "ozone hole" was formed. The ozone layer is formed and accumulates under the influence of sunlight and in the presence of oxygen, nitric oxide and other gases, i.e. as a result of lightning, thunderstorms, lightning.

Currently, as a result of the widespread use of freon gases, aviation gases and atomic bomb explosions, a large number of harmful substances and vapors are released into the atmosphere. This prevents the accumulation of the ozone layer.

As a result of aircraft and rocket launches, large amounts of aluminum oxide are released into the atmosphere. The released aluminum oxide in the form of a white powder prevents sunlight from reaching the earth's surface and, as a result, the return of sunlight.

Rockets use a large amount of oxygen without polluting the atmosphere, and also affect the ozone layer.

The Saturn-5 rocket, launched into orbit by the American Skylob station, formed a 1,800 km wide "hole" in the ionosphere, which filled in 1.5 hours.

Scientists have estimated that the simultaneous launch of 125 Saturn-5-like rockets can destroy the ozone layer surrounding the earth's surface, leading to the death of all living organisms on the earth's surface. Today, an ozone hole is forming in the atmospheric air of Antarctica and the lower regions of Australia, which is expanding. A number of works are being carried out to prevent this condition. 1981-The Helsinki Declaration on the Protection of the Ozone Layer was adopted by scientists and government officials of 81 countries, and by 2000 measures to reduce exhaust emissions from freon were identified. As a result, the area of the ozone hole has been decreasing in recent years.

Discussion

The "greenhouse effect" in subsequent years, the greenhouse effect was caused by an increase in the carbon dioxide content in the atmosphere. This is due to the fact that combustible products are widely used in industrial enterprises, especially coal, fuel for vehicles, deforestation, and forest fires. This led to an acceleration of the greenhouse effect. If the situation continues in this way, by the 21st century, the temperature of the Earth's surface may rise by 1.5-4.5 degrees. This leads to an intensification of the process of climate change, especially desertification. Nature

The zones are shifting, and the level of the oceans and seas is rising. There are phenomena such as melting glaciers and decreasing their size.Two years of the pandemic have been a shock to the global economy, causing serious discomfort to many people and changing their way of life. It would not be an exaggeration to say that only for supporters of clean energy, this period was the years of real happiness.

Because in 2019-2020, the amount of greenhouse gases in the United States fell to historic lows, reaching the level of the years after World War II.Even in 2021, the figures were 5% lower than in the years before the pandemic.

Everything was going very well for the Greens. The share of alternative energy for the first time in the history of the United States was 20%, that is, 820 terawatt-hours per year. and approached the indicators of nuclear energy. The United States is the largest country in the world in terms of nuclear energy. In October last year, 90 reactors were operating in this country.

France is the second largest country in the world in terms of this indicator -the number of reactors is 2 times less. There are 56 power units in total. At the same time, America's countdown also includes hydroelectric power plants in the energy segment. American hydroelectric power plants provide at least 6% of the total energy. The State Energy Information Administration predicts that the share of this sector will grow by another 1% in the near future.

Owners of solar power plants have stated that it is planned to introduce 29 and 28 gigawatts of new capacity in 2022-2023. This means doubling the available capabilities. But these numbers are also always accompanied by feelings that this is a plan, expectation, and Hope. But on the other hand, fossil energy sources and the electricity they produce are an obvious fact.

THE RESULTS OF THE STUDY

It is known that the extracted black gold simply did not fly into the air. At the thermal power plant, they were converted into electricity and penetrated into every

household and enterprise. At the thermal power plant, the amount of electricity generated from coal was equivalent to the amount of electricity generated from renewable sources, and

1,000 terawatt-hours reached the figure. At the same time, coal exports also increased (+52%), with most of it supplied to Asian markets such as India, South Korea and Japan.

The United States has not yet commented on the UN's plans to recognize nuclear energy as energy without the IMF, but local environmentalists are ready to recognize this on their own.

Worse, US nuclear power plants are becoming obsolete at a tremendous rate, and plans for the construction of new facilities in the future are also not visible. The last project approved by both houses of Congress, the Vogtl NPP, was signed in 2012. At the moment, this is the only nuclear power plant under construction in the United States.

At the same time, according to experts, it is not yet possible to replace traditional energy sources with wind and solar.

For example, the Keystone oil pipeline (which Joe Biden once tried to close) is being stopped due to severe frosts in the US state of North Dakota and the neighboring Canadian region of Alberta.

Due to severe frosts (-35), TC Energy, which owns the pipeline, is forced to stop pumping oil through the pipeline. This immediately led to an increase in the prices of gasoline and diesel fuel on the stock exchange.

But among the hydrocarbons, natural gas demonstrated the highest rate of production and consumption.

Electricity consumption in the United States has doubled in the last 15 years.

If in 2005 thermal power plants generated 750 terawatt-hours of energy from natural gas, then in 2021 2,100 terawatt-hours are expected.

This is equivalent to the total power that nuclear and green energy produce together.

By the way, the UN also plans to include natural gas as a clean energy source. Lekn today's "greens" are categorically against this. There's a reason they're unhappy. U.S.

According to the Environmental Protection Agency, emissions from wells where production, processing and use of gas were discontinued in 2019 amounted to 3/1 of the total methane emissions into the atmosphere.

Recall that it is the methane gas that heats the atmosphere of the globe 50 times more than other greenhouse gases.

Conclusion

Environmental problems in the United States are under serious threat, and quick and effective measures are needed to address these issues.

Problems such as air pollution, climate change, and depletion of water resources are causing serious damage not only to the environment, but also to the economy and public health.

Technological innovation, increased energy efficiency, and improved waste management systems are essential to achieve environmental sustainability.

It is also important to increase environmental responsibility and to activate the community in these matters.

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