

REPORT

Programmes for local community to learn about importance of energy efficiency and clean energy

On June 24, 2022, the rector of Tashkent State University of economics, **professor Kongerotboy Sharipov** published articles on the topic **"how much you spend will be restored"**. The relevance of using alternative energy sources and energy carriers is also due to global environmental problems that have arisen on the planet in recent decades — climate change, depletion of the ozone layer and other reasons. The demand for electricity is growing in our country. This is due to the development of the economy and industries, the growing indicator of the use of electrical equipment by the population. It is estimated that 10 billion dollars of electricity and gas will be consumed in Uzbekistan in a year. Today there is also an additional demand for 2-3 billion kilowatt hours of electricity. And in the next 5 years, this need is expected to increase by 10 billion kilowatt hours.

It is not for nothing that these figures were presented on June 10 this year at a meeting under the chairmanship of the head of state on issues of expanding the use of renewable energy. The fact is that in the current conditions of increasing demand for electricity, the need to increase the use of alternative energy is increasing in households and all enterprises and organizations. Tasks were also set for the further wider implementation of work in all regions.

Uzbekistan is one of the countries with great potential in terms of renewable energy sources. According to experts, alternative energy in our country is several times more than non-renewable organic fuel resources. About 97 percent of this capacity corresponds to solar energy. That is, in our land, **300** days in a year are considered sunny. It turns out that we can also get rid of Spain, where solar energy is developed in this regard. In addition, there are wind blowing areas, as well as our mountain rivers, which can be used to generate electricity.

Therefore, in the conditions of our country, solar resources, small hydropower, wind resources, biomass and geothermal energy are considered important. In addition, renewable energy can be an economically based source of energy for settlements located in remote, mountainous and inaccessible districts. Such a rich natural potential should be used for the intended purpose, and highly efficient renewable energy sources should be widely used in practice.

For example, the consumption of electricity and gas in Uzbekistan for **10** billion dollars a year is a big indicator. If we economy 10% of this, it means that we will be able to spend 1 billion dollars for other needs. Unfortunately, as the head of our country noted, officials in all regions did not understand how important this issue is.

In fact, alternative energy sources are primarily aimed at creating conditions in which every citizen lives well in his apartment. In this regard, in 2019, a separate fund was created and a system for subsidizing the population from the budget was introduced. But it has been criticized that not a single regional, district and city hall or minister has a calculation on energy consumption in organizations of his system, its savings, the installation of alternative energy equipment, that they do not care about the use of the introduced subsidy and compensation in their network or territory. Therefore, a completely new system is now being introduced in our country to support residents and entrepreneurs who have installed alternative energy equipment.

In this case, residents and entrepreneurs will be paid up to 15 million soums of compensation for installed solar and wind power equipment, and up to **2** million soums for a water heating device, or will be able to pay the equipment value without interest within **3** years. This system will be introduced through a special fund of the Ministry of energy. Residents and entrepreneurs who wish to install alternative energy equipment will not have to go to any office to take advantage of these opportunities. All documents will be resolved at the place of purchase of equipment. In the regions, this practice will be introduced from September 1 of this year.

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