EFFICIENCY RENEWABLE ENERGY

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ABSTRACT

Various aspects of the problem of increasing energy efficiency of renewable energy sources. From the standpoint of energy efficiency are analyzed the possibilities for practical use of Earth's albedo.

The promising use of landscape features for the development of energy-efficient systems. A draft multi-tiered wind farms have made full use of the landscape characteristics of an area for sustainable energy. In such a wind farm is appropriate combination of multilevel systems of various capacities, definitely located relative to each other in height and in space. It is shown that as low-power wind turbines while promising use of Savonius rotor (with Savonius) with the vertical axis of rotation, developed LITUANIAN INSTITUTE OF AGRICULTURAL ENGINEERING (Raudondvaris).

The urgency of creating large-scale combined units, which include wind farms, solar energy, as well as installation, allowing to use the energy of powerful underwater ocean and sea currents.

We consider the power of dual-use items.

Analyzes trends and the real direction of increasing the energy efficiency of renewable energy as an example of energy development in Finland, Belarus and Lithuania.