

THE HARM OF WIND FARMS AND WAYS TO SOLVE THE PROBLEM

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Wind farms have many side effects: the threat to birds and bats that can be knocked down by the blades of wind turbines; interference with the transmission, reception of television and radio signals, as well as the impact on the health of people living nearby; the problem of recycling blades; the formation of waste in the form of concrete, bitumen, asphalt, construction rubble, etc. during the construction of wind farms [1].

Which energy will be safer? We believe that it is a wave power plant. These are stationary stations that use the kinetic or potential energy of waves. Not only does wave energy not harm the environment, but it can also be beneficial: wave power plants can play the role of wave dampers, protecting ports, harbors and shores from destruction; low-power wave electric generators of some types can be installed on the walls of berths, bridge supports, reducing the impact of waves on them; the specific wave power is 1–2 orders of magnitude higher than the specific wind power. And the only thing that stands out from the disadvantages is that wave energy can lead to the displacement of fishermen from fishing areas and can pose a danger to safe navigation [2].

In conclusion we can say that there are a large number of advantages of wave power plants over wind farms in economic, environmental and other ways. We believe that the future of alternative energy lies precisely behind wave power plants.

References

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