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The Importance of Renewable Energy Sources in Polands Energy Mix

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Abstract

Exploitation of renewable energy sources for power generation has been more and more important in recent years. This results from the economic issues and the measures taken to ensure the energy security. The aim of this research was to determine the significance of renewable energy sources (RES) in the energy mix of Poland, and to elicit the opinions and the level of knowledge of the society on the use and development of non-conventional energy. The article also presents advantages and disadvantages of types of RES, the obstacles which hinder the progress of green energy in Poland, and the proposed measures to expand the share of the RES in the overall energy mix. The research relied on the statistical data gathered by Statistics Poland. The opinions of respondents were elicited through a diagnostic survey based on a questionnaire. The research has demonstrated that the respondents support the development of RES in Poland. However, they also maintain that the purchase and installation of devices for the production of non-conventional energy are too expensive. The respondents believe that in order to increase the number of green power plants, subsidies to encourage RES investment and tax reliefs related to this investment should be bigger.

Keywords: renewable energy, energy mix, Poland, energy security, public opinion, public support for renewable

Full text

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