



The effect of biofuels on rural development and agriculture

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In order to reduce the consequences of conventional fossil fuels around the world, renewable energy introduced as an alternative to fossil fuels. It's well acknowledged that renewable energy is environmentally friendly and unlike fossil fuels are Capable to be renewed. Different types of renewable energy exist such as hydropower, wind, solar, geothermal energy, biomass and energy from the waves and tide. Biofuel which is one of renewable energy, they have different shapes such as liquid, solid or gases that produce from biomass. Bioethanol and biodiesel are different kind of Biofuel, which transport have capabilities to use in transport systems as fuel, and can act as a substitute for conventional fossil fuels in vehicles, industries and can be used in remote areas. Solving environmental problem is the major reasons for willingness to develop biofuels however; they can facilitate social and economic development at the community level. While this kind of energy dependent on rural resources, as such it can play a pivotal role in rural development. In general, development of bio energy in rural area will change directly and indirectly rural residents' life. Directly biofuel can create local employment and income in local level, present better energy services, local health service and stabilize the local economy. Indirectly, it can, contribute to improve the infrastructure and facilities, the knowledge and skill of farmers; efficiency farmers and quality of their life. However there is also criticism and risks which associated with biofuel extension, such as: increase food prices, competition with food production in use resources (such as water and land), and influence the bio-diversity. The aim of this paper is analyzing the effects of biofuel on rural and agriculture development in Iran with respect to the biofuel advantages and limitations.

Key Words: renewable energy. Bio fuel .rural development