

Analysis of the importance of energy in processing and complementary industries

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Processing industries' development level is an index to measure the level of agricultural development in each country. Industry is one of the major energy consumers, so considering this section has particular importance in improvement of energy efficiency. However, the role of energy in processing and complementary industries has not been dealt. The purpose of this paper was to investigate and explain the status and role of energy in agricultural processing and complementary industries of Iran. Analytic-content approach was used in this study. The results show that energy consumption in the industrial sector of Iran from 1988 to 2008 has increased 130%. Also, the results showed that with increasing energy consumption in the industrial sector and the replacement of natural gas instead of petroleum products in 1994, index of energy intensity had decreased from 0.4 per thousand Rials added value in 1967 to 2.35 in 2011. This result showed that the energy efficiency is improved in the industrial sector.

Key Words: Processing and Complementary Industries, Energy, Agriculture, Efficiency