

عنوان مقاله:

The Challenges of Alternative Energy Sources Nuclear Energy vs. Renewables

محل انتشار:

کنفرانس بین المللی فناوری و مدیریت انرژی (سال: 1394)

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خلاصه مقاله:

Energy growth is directly linked to well-being and prosperity across the globe. It is anticipated that the growth rate of electricity consumption is 4.2 and 2.7 in the developing countries and the world, respectively. On the other hand, it is predicted that by 2040, natural gas, nuclear and renewables are expected to deliver more than 70 percent of the world's electricity. There are different challenges which could affect these predictions. In this study, expected demand and supply of energy according to the results of new studies are reviewed and challenges of different energy sources are mentioned. It is emphasized that international cooperation is needed to resolve environmental and energy crisis. Evaluation of the future of energy and knowledge about its challenges would help us to make a proper decision for the energy policy of the country.

کلمات کلیدی:

future of energy; environmental aspects of energy; renewable energy challenges; nuclear energy challenges

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