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For scientists, scientists, students, graduate students, representatives of business and public organizations and higher education institutions and a wide range of readers.

SOCIO-ECONOMIC PRECONDITIONS FOR THE DEVELOPMENT OF ENERGY NETWORKS

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The world is increasingly beginning to improve approaches to shaping energy policy, because the conditions of limited natural resources force more and more people to direct the policy of states in search of factors for the formation of energy potential for the development of society and the country as a whole[5,6,8,9,10,11,13,14,15,16,]. One of such factors should be energy efficiency, which combines not only energy conservation but also optimization of the ratio of efficiency to energy costs[2,3,4,7,12,17,18,19]. This problem has posed certain technological and economic challenges to Ukraine, at the same time, it opens opportunities for the development and application of innovative, high-tech developments in the fuel industry, which necessitates the formation of an improved energy policy of Ukraine. Peculiarities of ecological components of production activity and energy sector in particular are given in [1]. Prerequisites for the development of electricity in our country were: Currently in Ukraine there are opportunities for the development of alternative energy technologies. According to the adopted Energy Strategy of Ukraine until 2035 "Security, Energy Efficiency, Competitiveness", intensive use of all types of renewable energy sources is envisaged, which in turn will become an effective tool in ensuring energy security of the state. It is important to note that the share of alternative energy in the fuel and energy balance is projected to grow at 11% (by 2020) of the basic energy supply and more than 25% (by 2035). However, in order to achieve the set goals, it is necessary to attract investments in the amount of 12 billion euros. Therefore, creating a favorable investment climate for business is a priority. Currently, the State Agency for Energy Efficiency is working on mechanisms to attract investors to Ukraine. So, with the support of the Government of Germany, in 2017 the UA MAP Interactive

Map (<https://www.uamap.org.ua>) was created, where potential investors from around the world can get acquainted with the implemented and potential projects in Ukraine. As of 2020, there are already about 300 profitable and interesting business offers worth more than 5 billion euros on the map. Thus, Ukraine's energy lags far behind world standards. Our country has already begun to make some changes to correct this problem, but we need to increase the pace of development of this industry, and in any case not to slow down. In the future, the developed electricity industry will become the basis for the development of the country's economy, as it will be able to provide them with reliable, high-quality and cheap electricity supply.

References

1. Melnyk L., Dehtyarova I. Synergetic Basis of Innovation Marketing //Scientific Journal of Riga technical University. Series: Economics and Business. – 2012. Riga Technical University. - # 22. – PP. 118-124

2. Derev`yanko Yu.M., Lukash O.A., Litsman M.A., Svitlychna A.O. The State and Trends of Enterprises Efficiency on the Basis of Modern Indicators. *Механізм регулювання економіки*. 2020. 1. С. 106-115. DOI: <https://doi.org/10.21272/mer.2020.87.09>.

<https://essuir.sumdu.edu.ua/handle/123456789/80687>

3. Hrytsenko Pavlo, Voronenko Viacheslav, Kovalenko Yevhen, Kurman Tetiana and Omelianenko Vitalii. Assessment of the development of innovation activities in the regions: Case of Ukraine. *Problems and Perspectives in Management*. 2021. 19(4). С. 77-88. DOI: 10.21511/ppm.19(4).2021.07. <https://essuir.sumdu.edu.ua/handle/123456789/85729> (Scopus)

4. Hrytsenko, P. V., Kovalenko, Y. V., Voronenko, V. I., Smakouz, A. M., Stepanenko, Y. S. Analysis of the Definition of “Change” as an Economic Category. *Механізм регулювання економіки*. 2021. 1. С. 92-98. DOI: 10.21272/mer.2021.91.07. <https://essuir.sumdu.edu.ua/handle/123456789/84025>

5. Kubatko O. V., Yaryomenko D. O., Kharchenko M.O., Almashaqbeh Ismail Y. A. Economic and environmental aspects of Smart Grid technologies implementation in Ukraine. *Механізм регулювання економіки*. 2020. 1. С. 28-37. DOI: doi.org/10.21272/mer.2020.87.01.

<https://essuir.sumdu.edu.ua/handle/123456789/80469>

6. Kubatko O.V., Ignatchenko V.M., Shaparenko S.V., Starodub I.A., Yaryomenko D.O. Economic optimization of resource use based on smart grid. *Механізм регулювання економіки*. 2020. 2. С. 37-46. DOI: doi.org/10.21272/mer.2020.87.03.

<https://essuir.sumdu.edu.ua/handle/123456789/82241>

7. Lukash O.A., Derev`yanko Yu.M., Kozlov D.V., Mukorez A.I. Regional Economic Development in The Context of the COVID-19 Pandemic and the Economic Crisis. *Механізм регулювання економіки*. 2021. 1. С. 99-107. DOI: <https://doi.org/10.21272/mer.2021.91.08>.
<https://essuir.sumdu.edu.ua/handle/123456789/84026>
8. Matsenko, O., Kovalev, Y., Tkachenko, O. & Chorna, Y. Complex Solution of Ecological and Economic Problems of Traffic Jams. *Mechanism of Economic Regulation*. 2020. 4. С. 6–15. DOI: <https://doi.org/10.21272/mer.2019.86.02>.
<https://essuir.sumdu.edu.ua/handle/123456789/77238>
9. Matsenko, O., Tereshchenko, V., Piven, V., Panchenko, A. & Perekhod, E. Socio-environmental and Economic Problems of Solar Panels Recycling. *Mechanism of Economic Regulation*. 2020. 1. С. 48–55. DOI: <https://doi.org/10.21272/mer.2020.87.03>.
<https://essuir.sumdu.edu.ua/handle/123456789/80473>
10. Melnyk L. Hr, Shaulska L. V., Matsenko O. I., Piven V. S., Konoplov V. V. Modern Trends in the Production of Renewable Energy: the Cost Benefit Approach. *Механізм регулювання економіки*. 2021. 1. С. 6-17. DOI: [10.21272/mer.2021.91.01](https://doi.org/10.21272/mer.2021.91.01). <https://essuir.sumdu.edu.ua/handle/123456789/83761>
11. Melnyk L., Derykolenko O., Matsenko O., Mazin Y., Piven V. Modern Trends in the Development of Renewable Energy: the Experience of the EU and Leading Countries of the World. *Mechanism of Economic Regulation*. 2020. 3. С. 117-133. DOI: <https://doi.org/10.21272/mer.2020.89.09>.
<https://essuir.sumdu.edu.ua/handle/123456789/81810>
12. Melnyk L., Matsenko O., Piven V., Kyrylenko M., Derykolenko O. Formation of Human Capital in the Digital Economy. *Mechanism of economic regulation*. 2020. 4. С. 19-35. DOI: <https://doi.org/10.21272/mer.2020.90.02>.
<https://essuir.sumdu.edu.ua/handle/123456789/83750>
13. Nesterenko V., Dolhosheieva O., Kirilieva A., Voronenko V., Hrytsenko P. «Green» vector of the economic development of the country. *Механізм регулювання економіки*. 2021. 3. С. 82-90. DOI: [10.21272/mer.2021.93.07](https://doi.org/10.21272/mer.2021.93.07).
<https://essuir.sumdu.edu.ua/handle/123456789/87533>
14. Pavlenko D. S., Kubatko O. V., Ziabina Y. A. Economic, Social and Technological Factors of Startup's Success. *Механізм регулювання економіки*. 2020. 1. С. 64-74. DOI: <https://doi.org/10.21272/mer.2020.87.05>.
<https://essuir.sumdu.edu.ua/handle/123456789/80477>
15. Sotnyk I. M., Matsenko O. M., Popov V. S., Martymianov A. S. Ensuring the economic competitiveness of small green energy projects. *Mechanism of Economic Regulation*. 2021. 1. С. 28-40. DOI: <https://doi.org/10.21272/mer.2021.91.03>.
<https://essuir.sumdu.edu.ua/handle/123456789/84021>

16. Sotnyk I., Sotnyk M., Olondar A., Pidopryhora N., Maslii M. Managing the energy-efficient development of the university: re-straints and ways to overcome them. *Mechanism of Economic Regulation*. 2020. 3. С. 68-86. DOI: <https://doi.org/10.21272/mer.2020.89.06>.

<https://essuir.sumdu.edu.ua/handle/123456789/81758>

17. Tambovceva T., Melnyk L., Dehtyarova I. , Nikolaev S. Circular Economy: Tenden-cies and Development Per-spectives. *Mechanism of Economic Regulation*. 2021. 2. С. 33-42. DOI: <https://doi.org/10.21272/mer.2021.92.04>.

<https://essuir.sumdu.edu.ua/handle/123456789/85156>

18. Yaremenko A., Chortok Yu., Goncharenko O., Chama Theodore KETUAMA Peculiarities of formation of the region's logistics infrastructure on the basis of Eco-innovations within the framework of stakeholders' partnership in the Enterprise-Region. *Механізм регулювання економіки*. 2021. 4. С. 9-13.

<https://essuir.sumdu.edu.ua/handle/123456789/87514>

19. Yevdokymov Andriy V., Dron Viktoria V., Yevdokymova Alona V., Karintseva Oleksandra I., Kharchenko Mykola O. Designing the information educational environment of the studying course for the educational process management using cloud services. *Механізм регулювання економіки*. 2020. 3. С. 87-96.

DOI:

doi.org/10.21272/mer.2020.89.06

<https://essuir.sumdu.edu.ua/handle/123456789/81759>