Energy security of fuel and energy companies in the context of the formation of national economic security

Mikhail M. Basharatyan, Applicant MEI RAS
e-mail: *bmk.0952@gmail.com*

For citation
Basharatyan M.M. Energy security of fuel and energy companies in the context of the formation of national economic security // Market economy problems. – 2021. – No. 4. – Pp. 133-139 (In Russian).
DOI: https://doi.org/10.33051/2500-2325-2021-4-133-139

Abstract
The publication considers aspects of the formation of energy security by companies in the fuel and energy complex (FEC) of Russia in the context of ensuring state security in the face of numerous threats and challenges. The priority role of the activities of fuel and energy companies in providing resources for sustainable socio-economic development of Russia, as well as a colossal contribution to the economy and society at all levels of existence, is stated. Attention is focused on the system of threats and challenges to energy security, formed by the fuel and energy companies, among which are the incompleteness of systemic and structural reforms in the industry, lack of resources and competencies to intensify strategic development, weakening of internal and external competitiveness under the influence of the sanctions factor, as well as unwillingness for a low-carbon transition. Practical solutions are proposed to improve the energy and economic security of the fuel and energy complex and the Russian economy in the face of great threats and challenges.

Keywords: *fuel and energy complex, energy security, energy sector, low-carbon transition, energy strategy, state security, hydrogen energy, renewable energy sources, alternative energy.*

References

1. Decree of the President of the Russian Federation No. 216 dated 13.05.2019 «On Approval of the Energy Security Doctrine of the Russian Federation», (2019), *Collection of legislation of the Russian Federation*, no. 20, article 2421.

2. Decree of the Government of the Russian Federation No. 1523-r dated 09.06.2020 «On approval of the Energy Strategy of the Russian Federation for the period up to 2035», (2020), *Collection of Legislation of the Russian Federation*, no. 24, article 3847.

3. Decree of the Government of the Russian Federation No. 1-r dated 08.01.2009 (ed. dated 24.10.2020) «On the main directions of state policy in the field of improving the energy efficiency of the electric power industry based on the use of renewable energy sources for the period up to 2035», (2009), *Collection of Legislation of the Russian Federation*, no. 4, article 515.

4. Brutyan, M.M., Dudin, M.N., Elshin, L.A. et al. (2017), *Directions of sustainable development of the regions of Russia: Monograph*, under the general editorship of Candidate of Economic Sciences S.S. Chernov, CRNS, Novosibirsk, 157 p.

5. Karaeva, A.P. and Magaril, E.R. (2020), "The need to develop a system of indicators of the environmental intensity of investment projects in the energy sector", *Proceedings of the XIV International Scientific and Practical Conference «Environmental Safety Management System» (Yekaterinburg, May 20-21, 2020)*, UrFU, Yekaterinburg, pp. 75-78.

6. Mastepanov, A.M. (2021), "Energy security as a factor of the modern world", *Problems of economics and management of the oil and gas complex*, no 5, pp. 5-13.

7. “Main characteristics of the Russian electric power industry”, *Ministry of Energy of the Russian Federation*, available at: https://minenergo.gov.ru/node/532, (Accessed 30.10.2021).

8. Potapova, E.V. and Zelinskaya, E.V. (2016), “Analysis of environmental risks for green areas of cities”, *Bulletin of the Peoples' Friendship University of Russia. Series: Ecology and life safety*, no. 4, pp. 70-81.

9. “The Russian energy sector: An Analytical review”, (2020), *Deloitte*.

10. Senchagov, V.K. (2008), “Methodology of ensuring economic security”, *The economy of the region*, no. 3, pp. 28-39.

11. “«Hydrogen Economy» Offers Promising Path to Decarbonization”, (March 30 2020), *BloombergNEF*, available at: https://about.bnef.com/blog/hydrogen-economy-offers-promising-path-to-decarbonization. (Accessed 12 Oct. 2021).

12. Imasiku, K., Thomas, V. and Ntagwirumugara, E. (2019), “Unraveling green information technology systems as a global greenhouse gas emission game-changer”, *Administrative Sciences*, vol. 9, no. 2, pp. 1-29.

13. “The Hydrogen Roadmap Europe”, *Hydrogen Europe*, available at: https://ec.europa.eu/energy/sites/ener/files/documents/1-2_hydrogen_europe_chatzimarkakis.pdf (Accessed 12 Oct. 2021).

About author

Mikhail M. Basharatyan, Applicant, Market Economy Institute of RAS, Moscow.