

## On approaches to determining the prospects for the development of the electric power industry

**Evgeny P. Grabchak**, Cand. of Sci. (Econ.),  
<https://orcid.org/0000-0003-3373-8696>; SPIN-code (RSCI): 8168-5126  
Scopus author ID: 57226634488  
e-mail: [Grabchak.eugene@gmail.com](mailto:Grabchak.eugene@gmail.com)

### For citation

Grabchak E.P. On approaches to determining the prospects for the development of the electric power industry // Market economy problems. – 2021. – No. 4. – Pp. 8-19 (In Russian).

DOI: <https://doi.org/10.33051/2500-2325-2021-4-8-19>

### Abstract

The article outlines possible approaches to determining the prospects for the development of the electric power industry on the basis of organizational and technological platforms and intersectoral balances compiled using the input-output method. The analysis of forecasting and planning systems for the development of the Russian electric power industry is given. The multiplicative effect of the influence of the electric power industry on the development of branches of the real sector of the economy is presented. Based on the input-output method approaches are formulated to determine the spatial directions based on the regional markets of thermal electric energy and technological development of the electric power industry.

**Keywords:** *electric power industry, multiplier, technical and economic efficiency, input-output method, intersectoral balances, organizational platform, technological platform.*

### References

1. Anoshkin, I.M. (2014), “Application of knowledge management technologies in US military operations”, *Science and military security*, no. 2.
2. Grabchak, E.P. (2018), “Organizational and economic mechanism for managing the technical and economic efficiency of the unified energy system of Russia”, Abstract of the dissertation for the degree of Candidate of Economic Sciences: 08.00.05, Moscow.
3. Grabchak, E.P., Loginov, E.L. and Mishcheryakov, S.V. (2020), “Digital transformation of TPP control systems: transition to an intelligent model of equipment lifecycle management”, *Vestnik Mirbis*, no. 1 (21), pp. 76-83.
4. Edinak, E.A. (2019), “Modeling of intersectoral employment based on input-output tables”, *Topical issues of economics and sociology. Collection of articles based on the materials of the XV Autumn Conference of Young Scientists in Novosibirsk Akademgorodok*, edited by O.V. Tarasova, N.O. Fursenko, pp. 522-529.
5. Esyakov, S.Ya., based on the materials of the «Round table» in the Committee on Energy of the State Duma of the Russian Federation dated 07.04.2021, available at: <https://t.me/energyandconsumers/29>.
6. 2018 Conference on technological activities of JSC «SO UES», available at: [https://www.soups.ru/index.php?id=conf\\_tech\\_about](https://www.soups.ru/index.php?id=conf_tech_about) (Accessed 02.02.2021).
7. Kutovoy, G.P. (2018), *On choosing the option of further reforms in the electric power industry. What did they leave, what did they come to, and how to build relationships in the electric power industry, ensuring its development*, LAP LAMBERT Academic publishing RU.
8. “On the future of the Russian electric power industry at the meeting of Chief Power Engineers in Sochi (SGIE- 2021)”, (March 11-12, 2021), *Electro-energy. Transmission and distribution*, no. 2 (65), pp. 10-12.

---

9. Stennikov, V.A., Palamarchuk, S.I. and Golovshchikov, V.O. (2018), “Creating effective retail markets of electric and thermal energy – the most important task for the Russian energy sector”, *Energetik*, no. 2, pp. 3-6.

10. Federal Law «On Electric Power Industry», No. 35-FZ of March 26, 2003.

11. Flaherty, Tom, Dunn, Christopher, Badgale, Michael and Ward Owen (2013), “After Fukushima: Nuclear power engineering in a changed world”, *Atomic Project*, no. 15, pp. 30-35.

12. Tsvetkov, V.A., Stepanov, I.M., Kovalchuk, Yu.A., Zoidov, K.Kh. et al. (2018), *Competitive advantages of digital cooperation: Monograph*, Under the general editorship of the corresponding member RAS V.A. Tsvetkov, MEI RAS, M., 380 p.

#### **About author**

*Evgeny P. Grabchak*, Candidate of Sci. (Econ.), Ministry of Energy of Russia, Moscow.