

## **Estimation of the prospects for the using of coalbed methane as a gas engine fuel**

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### **Abstract**

**Subject/topic.** The article is devoted to the main directions for the use of methane from coal seams as a gas engine fuel. **Goals/objectives.** The aim of the paper is to analyze the use of coalbed methane as a gas engine fuel. **Methodology.** The chain of realization of coalbed methane as a liquefied natural gas in the medium and long term has been studied. **Results.** The development of this segment will increase gas sales at the regional level, due to the effect of the integrated use of industrial infrastructure facilities. **Conclusions/significance.** The necessity of formation of the tendency of development of methane extraction of coal seams, as a source of gas close to the places of its use, and also its processing as liquefied natural gas and gas engine fuel is substantiated. **Application.** The trends discussed in this article can be used both to improve the strategies of the Russian gas industry

**Keywords:** *coal seam methane (CSM), liquefied natural gas (LNG), gas-fueled fuel (GFF), technological development of the industry*

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