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**Modern technological possibilities and prospects of thermal power plants participation in the reactive power regulation market.**

Market and technological aspects of service provision on regulation of reactive power by thermal power plants of Russia are considered. The General questions of the device of the power units, affecting recoupment of capital investments in the projects of construction or reconstruction with the aim to implement appropriate technical measures are investigated. The conclusion is made that the most important means of increase of controllability of power plants and electrical networks modern economic conditions is the introduction of a full-scale system services market regulation voltage regardless of the generation of electric energy the main equipment of the stations.

*Key words: the market of services to improve system reliability, reactive power, synchronous generator, synchronous compensator, asynchronized synchronous generator.*

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