

*Voloshin M. V., Demidov A. A.*

**Development of algorithm for automatic correction of the daily electricity generation of hydroelectric power stations that are connected under the load frequency control and active power control systems.**

The automatic daily generation deviation correction algorithm for hydroelectric power plant connected under load frequency and active power control system is developed and introduced.

*Key words: optimal use of water resources, the development of the electro-energy, load frequency control (LFC) and active power control system.*

*Voloshin Maksim Vladimirovich*, System Operator of the United Power System (SO UPS), Moscow.

E-mail: voloshin-mv@so-ups.ru

*Demidov Alexander Alexandrovich*, System Operator of the United Power System (SO UPS), Moscow.

E-mail: demidov-aa@so-ups.ru