



## RESEARCH OF CENTRALIZED HOT WATER CONSUMPTION IN DWELLING HOUSES

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### ABSTRACT

Since the independence resumption of Latvia in 1990, water consumption in the country has decreased in many times. Accordingly, hot water consumption reduced, as well.

In the paper the results of hot water consumption measurements (6 days), which were done in a multiple dwelling house in Riga, Latvia, are presented. The results were obtained using the prescribed formulas of building normative LBN 221-98.

The fluctuations of irregularity coefficient depending on hot water consumption decrease were analysed in this research; also hot water consumption fluctuations in the day time and the maximal consumption value.

Using the received results, hot water consumption diagrams for daily conditions were prepared.

Experimental results show that actual hot water consumption is considerably smaller than suggested by Latvian standards.