



EXPERIMENTAL RESEARCH OF NATURAL GAS CONSUMPTION

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ABSTRACT

The perspectives of gas supply systems are designed being based on normative documents, hydraulic calculations of pipeline systems and cartographic materials acquired from local governments. In a near history these normative documents, for instance СНИПП “Газоснабжение”, were developed and adapted in the former Union of Soviet Socialist Republic (USSR). This normative was established for concrete expenditure of natural gas. Every particular group of consumption is taken in to account, for example, individual domestics, apartment houses, public utilities and industrial consumers.

At the moment in the territory of the Republic of Latvia the normative documents of the Europe Union are adapted. In the last decade there have been major changes in the mode of life, that include household practices – one can fix that food preparation has stepped out of particular households (amongst people working in the city dining in restaurants becomes more popular), clothe wash is taking place in automatic mechanisms (instead of washing with boiled water), etc. As a consequence of these issues, the use of natural gas in individual households has considerably declined in the run of the year. As an alternative, another energy source, namely, electricity has taken a large space of usage.

In experimental researches the amount of natural gas in apartment houses, where gas is used for cooking, is registered and analyzed. The timing of this research is planned to take up to two years of experiments. Concerning methodology of this research – the main aspect is a comparison between structures of apartment houses in urban and rural areas. An additional to that, the calculation would include the division of gas consumption per each person in an apartment. The acquired findings are to be compared with the existent normative documents.