

Environmental Safety and Product Quality Management in the Heat and Power Industry

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key words

heat supply, decarbonization, energy resource efficiency, intensification, environment, safety, digitalization

The most important industry in the unified energy system of the Russian Federation is thermal energy, consisting of regional and local central heating supply systems. The article provides the analysis of the main tasks of the heat and power industry, to reduce the negative impact on the environment and modern methods for intensification, ensuring resource and energy efficiency, reliability and environmental safety of central heating supply (CHS) enterprises as complex chemical and techno-energy systems. The necessity of state regulation of the activities of CHS enterprises and the application of the theory of engineering of resource-energy efficient CHS enterprises is substantiated. The methods of assessment and ways of preventing the dangerous impact of CHS enterprises on the environment are described.

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