INCREASING THE LEVEL OF ECOLOGICAL SAFETY OF HOUSEHOLDS THROUGH THE USE OF COGENERATION PLANTS IN BLACKOUT CONDITIONS

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The development of the environmental protection technology from the impact of household economic activities through the use of cogeneration units in blackout conditions is an urgent task given the need to ensure compliance with the requirements contained in the Law of Ukraine No. 2509-IV as amended on June 30, 2024 “On Combined Heat and Power Generation (Cogeneration) and the Use of Waste Energy Potential” (https://zakon.rada.gov.ua/laws/show/2509-15#Text) both during times of armed aggression and the post-war reconstruction of the country's critical infrastructure and economy in the historical perspective of ensuring the goals of sustainable development defined in the Decree of the President of Ukraine No. 722/2019 dated September 30, 2019 “On the Goals of Sustainable Development of Ukraine for the Period up to 2030” [1-3].

The purpose of the study is to develop the environmental protection technology from the impact of household economic activities by using cogeneration units in blackout conditions, as well as relevant recommendations as a basis for further implementation of the research results into the practice of such activities of the specified type of consumer and ensuring the established level of technogenic and ecological safety.

The object of the study is indicators of technogenic and ecological safety of household economic activities both during armed aggression and the post-war reconstruction of critical infrastructure and the country's economy in the historical perspective of ensuring sustainable development goals.

The subject of the study is the impact of using cogeneration units in blackout conditions on the object of the study.

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