



7th INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

Academic

“CLEANER PRODUCTION FOR ACHIEVING SUSTAINABLE DEVELOPMENT GOALS”

Energy planning for the development of the RECP: A case study in the hotel sector

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Abstract

The hotel sector is among the activities with the highest energy consumption, constituting one of its main operating costs. The efficiency in the use of resources and cleaner production (RECP) as a preventive environmental management strategy enables the efficient use of energy through the application of various options and relying on components of the energy management system, such as energy planning. They facilitate the process and allow quantifying their benefits. This article focuses on the study of energy planning tools, their integration in the RECP methodology and their catalytic effect in the development of the same. A case study is presented in a hotel in the city of Barranquilla-Colombia, the energy planning tools support the development of the RECP's application methodology in the case of the hotel, providing relevant information for pre-evaluation, implementation and planning of continuity.

Keywords: Energy planning, Efficiency in the use of resources and cleaner production (RECP), Energy management system.
