



Academicth

INTERNATIONAL WORKSHOP
ADVANCES IN CLEANER PRODUCTION

“CLEANER PRODUCTION TOWARDS A SUSTAINABLE TRANSITION”

Energy Efficiency; A Step Towards Cleaner Production. An Integrative Case Study of the Meat Processing Industry in Hermosillo, Sonora

MUNGUÍA, N.E. ^{a*}, POOM, T. G. ^a, VELAQUEZ, L. ^a, ESQUER. J. ^a.

^a Universidad de Sonora, México

Bvld. Rosales y Luis Encinas, C.P. 83000. Hermosillo, Sonora, México.

* Corresponding author, nmunguia@industrial.uson.mx

Abstract

The efficient use of resources within industrial systems is a key aspect to consider in order to achieve sustainability, this perspective leads to the necessity to integrate production practices that incorporate economical, ecological and social perspectives limiting the negative impact of industries toward the environment (Blenginin and Shields, 2011). In matters of resource efficiency, energy to empower production processes is now a priority, correspondingly, there is a relevance on the reduction of the use of energy and its negative impacts towards the environment such as carbon emissions. Therefore the intersection of cleaner production and energy efficiency is reinforced as a more integrative approach to achieve sustainability (UNEP, 2004). This work shows the results of the application of energy efficiency audit with the objective to reduce the negative impacts to the environments due the operation of a meat processing industry. In order to increase efficiency and upgrade its competitiveness.

Keywords: *energy efficiency, cleaner production*
