

INDUSTRIAL WASTE IN THE MEXICAN ENERGETIC SECTOR

(Bagasse of Sugarcane case)

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An overview of the energetic use of the bagasse of sugarcane is presented. In Mexico exist 60 sugar mills in were about 42 millions of tons of the sugarcane are processed and a high waste is produced. The sugar market has a high uncertainty, due to the increment in the use of artificial products to sweeten in the world, and the idea of that the product obtained of the sugarcane may need be changed

The Industrial Sector of the Sugar consume about of the 9% of the Industrial sector consume, of this the 76.5% was obtained of the bagasse. The electrical needs of the sugar mills was obtained by self-generation, using the waste of bagasse like fuel to vapor generation. The efficiency of the energy use of the plants is low with respect to similar plants in the world.

In this work an analysis of the actual situation is done and the electric generation potential to give energy to the public electrical net is evaluated under different scenarios of sugar production is concluded that may be economic that the plants work during all year with electrical production to help the electrical sector..