



TOGETHER
for a sustainable future

OCCASION

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CLEANER PRODUCTION FACTSHEET

SICOMO

BACKGROUND

Established in 1974, SICOMO is a recycled cardboard mill located in the Bekaa valley. The plant consists of an environmental friendly operation that produces a variety of cardboard products made with 100% recycled waste paper. SICOMO's product range includes Core Board, Grey Board, White Lined triplex Board, Match Board, and Gold and Silver Laminated Metallized Board. The mill's annual capacity exceeds 20,000 tons. SICOMO employs more than 110 qualified staff and skilled personnel.



EVALUATION STATEMENT FROM SICOMO

“At Sicomo the level of awareness in cleaner production has been fairly increased since we started the LCPC CP program.

In this regard many CP options have been identified which could save on material consumption, rejects and therefore money. Some of these options have been implemented by following the priority of minimal investment for the relatively bigger savings and other options that are more capital demanding are under the process of deeper feasibility studies.

We take this opportunity to thank the LCPC and all the working staff that led to the success of the program.”

A handwritten signature in blue ink, appearing to read 'Karim', is written over a horizontal line.

Mr. Karim Haddad
Assistant General Manager
SICOMO

CP OPTION IMPLEMENTED AT SICOMO

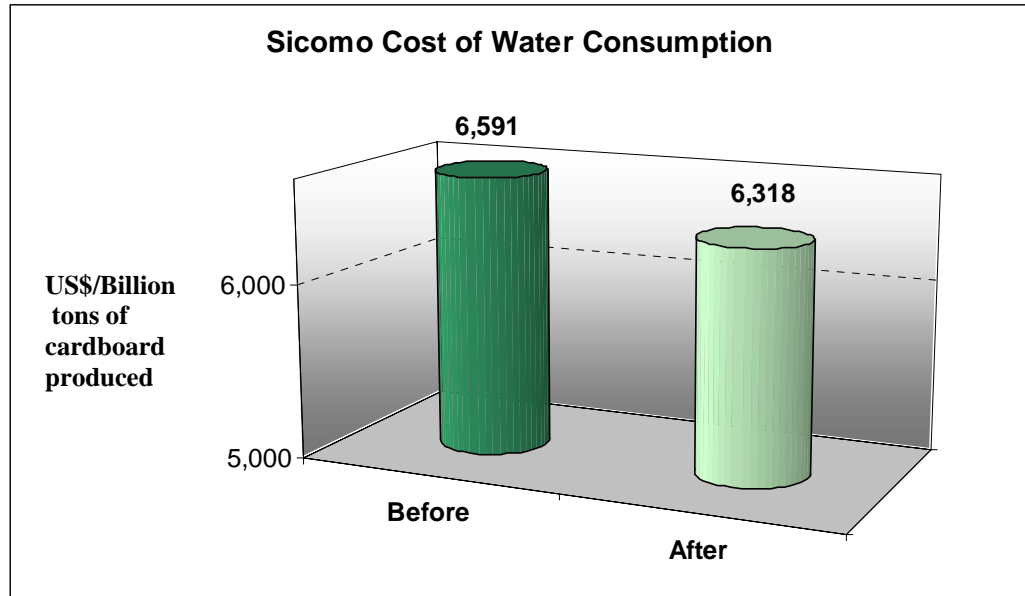
- Reduction of the Steam Main Header Pressure at the Boiler level;
- Isolation of the boilers for energy conservation;
- Insulation of steam network manifold, headers, pipes and boilers;
- Optimization of the water clarification by the use of a new technology for pumps;
- Use of new generation of gensets to reduce on consumption of emissions;
- Use new generation of boiler burner to reduce on consumption and emissions.

SAVINGS ACHIEVED AT SICOMO

The application of these measures **saved yearly 163,000\$** at an **investment of 86,000\$**. Payback period is therefore 6 months.



An example on the savings in water consumption is illustrated in the graph below. A 4.2% decrease in the cost is achieved.



Steam collectors and network wool glass at Sicomo before and after insulation:



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