



UNITED PULP AND PAPER COMPANY, Inc

Replacement of 40-watt Fluorescent Lamps with 36-watt Fluorescent Lamps

SUMMARY OF THE OPTION

United Pulp and Paper Company, Inc (UPPC), manufacturer of high quality industrial paper, is mainly using 40-watt fluorescent lamps for the general lighting in the plant. There were also places wherein the illumination levels are below the recommended levels. Low illumination was due to the busted or flickering lamps that have not been replaced. The dirt that clings to the lamps also contributed to the decrease in the efficiency of the lamp.

It was recommended that the company replace the 40-watt fluorescent lamps with either 36-watt or 32-watt. The use of 36-watt fluorescent lamps would curtail cost since its price is only slightly higher than the 40-watt lamp and the same ballast could be used. However, although the use of 32-watt lamps would incur higher investment, since it would require new ballasts and since it was more costly, the savings that would be achieved would also be greater throughout the years. If the company decided to implement this option, potential savings of PhP 65,622.72 and PhP 223,011.84 for the 36-watt and the 32-watt, can be achieved respectively.

KEY WORDS

Pulp and Paper, Philippines, Lighting, Fluorescent lamps

FOR MORE INFORMATION

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