

(Free download) Plant Engineers and Managers Guide to Energy Conservation

# Plant Engineers and Managers Guide to Energy Conservation

*Albert Thumann*

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**Albert Thumann : Plant Engineers and Managers Guide to Energy Conservation** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Plant Engineers and Managers Guide to Energy Conservation:

3 of 3 people found the following review helpful. Excellent "how to" book very informative By J. head This book is a very good guide to explaining the micro and macroeconomics of energy conservation. The author uses a well thought out progression of chapters; the Role of the Plant Engineer in Energy Management, onto perhaps the most important chapter, Energy Economic Decision Making, which includes sample solved problems. Later chapters progress to electrical system optimization, utility optimization, heat transfer and losses, HVAC systems and cogeneration, and finally the future of energy conservation, where the macroeconomic effect of implementing current technology is discussed. The DOE is currently sponsoring projects in various common industrial processes that consume much of the nations energy, such as petroleum refining, and pulp processing where conservation and the latest technology will shave quads of BTU's off the nation's energy consumption. The early chapters in the book tell how to prioritize the conservation measures in a particular plant, the value of the present expenditures v.s. the future for estimating payback periods. The text is very well written, but it is surprising that a book on its sixth edition should be so full of typos, the grammatical ones can be figured out, but the ones concerning the solved problems should be corrected. A seventh edition with corrections and this would be a 5 star book.

Now in its fully updated eighth edition, this comprehensive, best selling handbook covers both management and technical strategies which can be utilized to slash energy costs by as much as 40% in industrial facilities. New chapters have been added on cogeneration, gas distributed generation technologies, steam system optimization, geothermal heat pumps, energy outsourcing, electricity purchasing strategies, and power quality case studies. You'll also find ready-to-apply guidelines for life cycle costing, electrical system optimization, lighting and HVAC system efficiency improvement, mechanical and process system performance, building energy loss reduction, financing energy projects, and strategies for establishing an effective energy conservation-oriented maintenance program.

From the Back Cover Apply proven methods to slash your company's utility costs by up to 40%. About the Author Association of Energy Engineers, Inc. Atlanta, GA