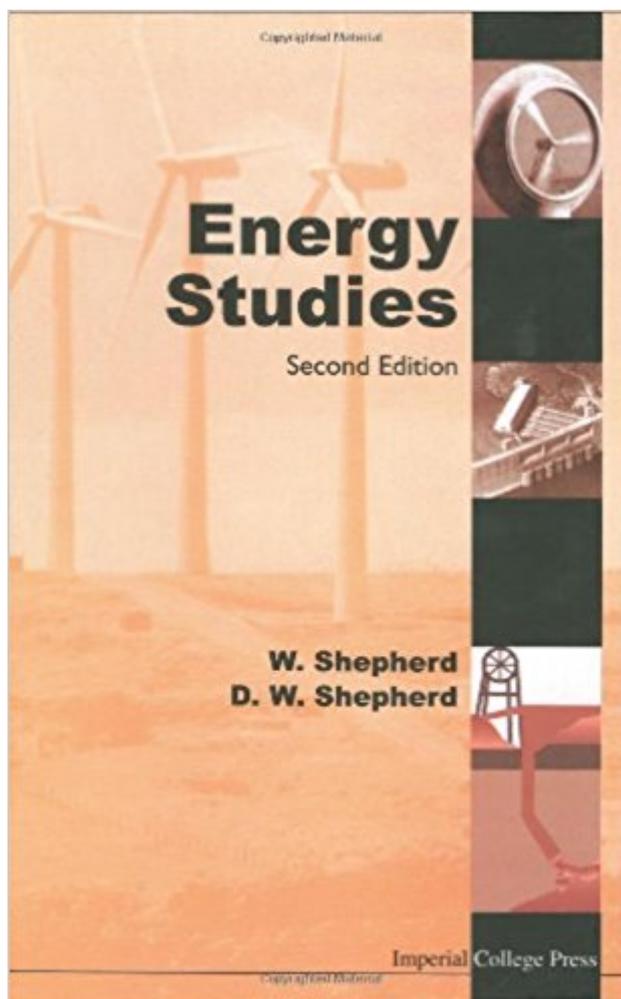


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Energy Studies, Second Edition



Synopsis

How is the future world energy demand to be met? The rates of use of the fossil fuels - coal, oil and natural gas - are increasing all over the world. The remaining stocks are finite and are not renewable. This important book considers the various options of renewable energy, including water energy, wind energy and biomass, solar thermal and solar photovoltaic energy. And should the nuclear option remain open? The book examines the environmental implications and economic viability of all fossil and renewable sources, introduces more distant future options of geothermal energy and nuclear fusion, and discusses a near-future energy strategy. This book is also available as a set with Energy Studies - Problems and Solutions. Energy Studies - Problems and Solutions, by the same authors as Energy Studies, is a natural complement to Energy Studies. This book contains solutions to 370 existing and new problems, many with illustrations, and updated Tables of Data on fuel supply.

Book Information

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Customer Reviews

I can not recommend this book as a stand-alone, useful resource to learn about energy. It may be useful as a "starting point", provided the reader or instructor has the will and ability to correct its faults.1. It is too far out of date. A new edition is badly needed. First, statistical data only goes up through 2000, which renders the data almost irrelevant UNLESS you update data from current sources. This is actually easy to do, and to the book's credit it provides source references which are still available today on-line. Due to its age, it is silent on the huge impact of China's growth on

energy trends since 2000, there are only a couple of paragraphs on ethanol, and it dismisses Canada's oil sands reserves as "not commercially viable". With the climb in oil prices during the last few years, much of its economic discussions are no longer relevant. Second, it relies upon references from around 1980 when discussing several technologies. I don't believe that 20+ year-old references belong in a book published about current technology in 2002. As a result, the book ends up discussing some technologies that simply are not relevant today, or discussing them as they were envisioned in 1980.² There are an unacceptable number of administrative errors. MANY table and figure references in the text are wrong (e.g., "Table 3-2 shows that..." when in fact it's Table 3-5). Questions at the end of the chapter refer to the incorrect tables. ANSWERS in the back of the book are WRONG at times. I even found one table reference when I could not find the appropriate table anywhere in the book. This goes beyond being out-of-date....it's just down-right sloppy.³ It's factually wrong far too many times on issues that are not related to being out-of-date.

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