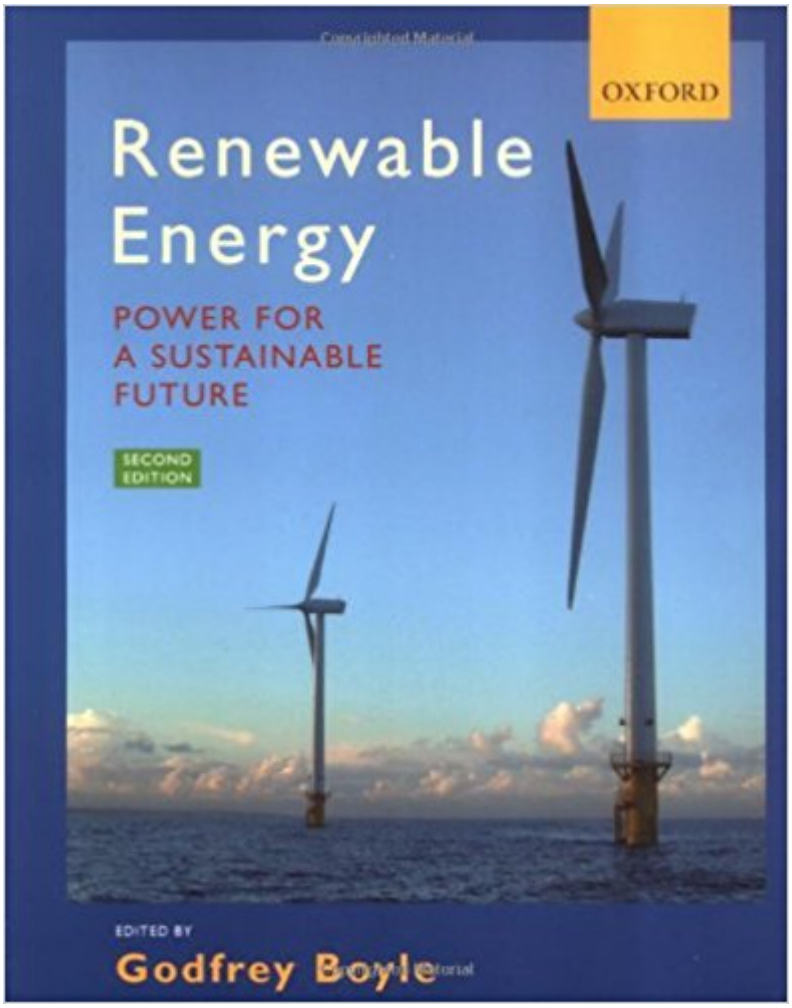
Renewable Energy: Power For A Sustainable Future, Second Edition



Synopsis

Stimulated by recent technological developments and increasing concern over the sustainability and environmental impact of conventional fuel usage, the prospect of producing clean, sustainable power in substantial quantities from renewable energy sources arouses interest world-wide. This book provides a comprehensive overview of the principal types of renewable energy-including solar, thermal photovoltaics, bioenergy, hydro, tidal, wind, wave, and geothermal. In addition, the text explains the underlying physical and technological principles of renewable energy and examines the environmental impact and future prospects of different energy sources. It includes over 350 detailed illustrations, more than fifty tables of data, and a wide range of case studies. Renewable Energy, 2/e is ideal for undergraduate courses in energy, sustainable development, and environmental science.

Book Information

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Customer Reviews

`Review from previous edition It is high time that good textbooks on the subject become available on the market. Renewable Energy: Power for a Sustainable Future, is thus a timely and welcome addition to the existing literature on the subject...Godfrey Boyle and his team of authors have, in my view, managed to produce an outstanding textbook in which a wealth of information, including an extensive amount of data, is presented in a lucid and comprehensible form.' The Journal of Energy Literature, March 1997`It is readily accessible to readers with a wide range of interests and abilities because the complex scientific explanations are presented separately from the main text ... the authors have presented the questions that must be considered. The book contains a wealth of

information and is highly recommended for anyone with an interest in renewable energy technologies and their possible role in our future.' Nicola Pearsall, Chemistry and Industry, October 1996`...an excellent and timely primer...the book strikes an admirable balance between making the principles underlying the renewables as understandable as possible and endeavouring not to oversimplify important technological and economic aspects.' Resurgence, April 1997`This book has been produced by a large, expert course team who have carefully researched the area and presented much up to date information. The book is very user-friendly, having many valuable figures, tables and boxes. There are plentiful suggestions for further reading, and students are guided towards key papers in a range of journals.' Paul Phillips, Education in Chemistry, May 1997`This is an excellent text, covering all the actual and potential sources of renewable energy. The writing is clear and the many excellent diagrams and illustrations complement the written word. Where the treatment is necessarily theoretical the level is appropriate and the argument laid out in separate text. This book will be highly relevant to any undergraduate studying this important field.' Aslib Book Guide, vol.61, no.10, October 1996

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I used this book as a primary text for a course on "Energy & the Environment" where we dealt with all current and future methods of energy production and their effect on the environment.This book is by far the best and easiest to read, whilst still containing accurate and complete information and data (though most of the data is based on the UK). It contains relevant formulas and mathematical information but is not too technical as to leave the reader jumping through numbers.I've given this book 5 stars, because I couldn't find any flaw in it. It's a MUST have for any one interested in renewable energy.

Very good book, extensive but not overly complicated. Book gives a great overview of the many sustainable energy options that could reduce carbon dioxide and other greenhouse gasses and eliminate toxicity problems caused by fossil fuel technology.. It is NOT a book about the consequences of climate change. Readers who do not believe climate change is a threat could read this book to see how sustainable energy can produce clean energy, sometimes at a cost less than current fossil fuel methods. Boyle presents information, which includes the pros and cons of many different sustainable energy possibilities, and how a particular option can be linked to a specific

topographic region to produce the best outcome. He provides both the economic (that is the cost at which different techniques can produce electricity) as well as field reports about renewable energy production sites that are currently supplying energy.

The book itself is great, but a word of warning that apex_media tried to rip me off by saying I returned the book damaged when I didn't (The book was on my computer desk the entire time I had it (online class) and was returned in the same box I received the book in). There is no process for them to go through they can just say it is damaged and charges your card. You can't leave negative feedback because the feedback window is shorter than the rental period (which means everyone that gets ripped off can't even make a point of it to warn people and makes no sense).More on the book, for being 9 years old the book really has great topics on technology that is still relevant today (fracking is even mentioned as a way to tap geothermal). The book is easy to read and follow.

I wish it had more US examples.

Written with a very clear and easy way to understand. If you do not have much background in renewable energy, you would still be able to understand this book. A lot of pictures and sections to help you understand the topics. My professors based his class entirely off of the book, so the book was more important for me.

Good book

This book clarifies much concepts concerning Renewable Energy. It is filled with lots of statistical and economical charts, concepts explanation, schemas and drawings about the technology.It does not show formulas on how to dimension, but a lot of results from studies are revealed with detailed account on what was found in numbers.Even for an engineering bachelor degree, its worth, because it covers a lot of concept from all the different kinds of Energy.

Interesting book!

Renewable Energy: Power for a Sustainable Future The Renewable Energy Handbook: A Guide to Rural Energy Independence, Off-Grid and Sustainable Living Construction Materials, Methods and Techniques: Building for a Sustainable Future (Go Green with Renewable Energy Resources) Renewable Energy Made Easy: Free Energy from Solar, Wind, Hydropower, and Other Alternative Energy Sources Introduction to Renewable Energy, Second Edition (Energy and the Environment) Renewable Energy Integration, Second Edition: Practical Management of Variability, Uncertainty, and Flexibility in Power Grids Renewable Energy & Sustainable Design Real Goods Solar Living Sourcebook: Your Complete Guide to Living beyond the Grid with Renewable Energy Technologies and Sustainable Living Renewable Energy Sources - Wind, Solar and Hydro Energy Edition : Environment Books for Kids | Children's Environment Books Solar Power: The Ultimate Guide to Solar Power Energy and Lower Bills: (Off Grid Solar Power Systems, Home Solar Power System) (Living Off Grid, Wind And Solar Power Systems) The Homeowner's Guide to Renewable Energy: Achieving Energy Independence Through Solar, Wind, Biomass, and Hydropower The Homeowner's Guide to Renewable Energy: Achieving Energy Independence through Solar, Wind, Biomass and Hydropower (Mother Earth News Wiser Living) The New Net Zero: Leading-Edge Design and Construction of Homes and Buildings for a Renewable Energy Future Our Renewable Future: Laying the Path for One Hundred Percent Clean Energy Wind Power, Revised Edition: Renewable Energy for Home, Farm, and Business Power With Nature, updated 3rd edition: Renewable Energy Options for Homeowners Renewable: The World-Changing Power of Alternative Energy Renewable Energy Sources in Saudi Arabia: A New Age Look at the Sustainability of the Natural Resources in the Middle East Inclusive of Solar Panels, Hydro-Electric ... Hybrids, Hydroelectric Power & More