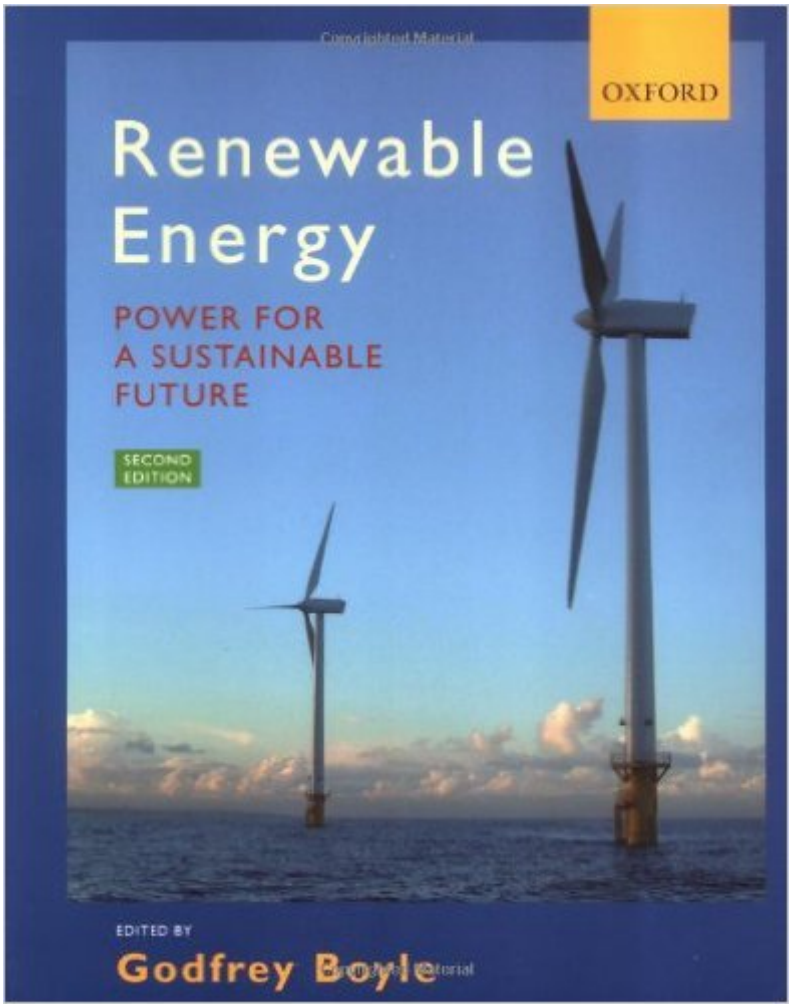
Renewable Energy: Power For A Sustainable Future, Second Edition



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

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.

This book is an excellent resource for those interested in a good initial exposure to renewable energy. Concepts are clearly explained, and the colorful graphics add to the overall appeal. Although the book centers on implementation of technologies in Britain, this should not limit its relevance. In fact, many of the technologies that may not be as economically viable in the U.S. and other countries, such as wave and tidal power, receive a thorough treatment in this book.

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.

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.

An excellant resource for a closer look at Renewable Energy! The book is well written, and goes into great detail about each topic. It is a very readable book; one that a semi-educated individual could probably figure out and understand. It also has so many references you can follow for further, more detailed study of each topic.

Easy book to read, offers basic introduction knowledge of various RE technologies that sets a foundation for self-learning.More content on biomass energy would have made it better.Good chapter on the subject of integrating various RE technologies at the end of the book.

Politics, and the Battle for Our Energy Future The Arid Lands: History, Power, Knowledge (History for a Sustainable Future) Energy from the Sun: Solar Power (Next Generation Energy)