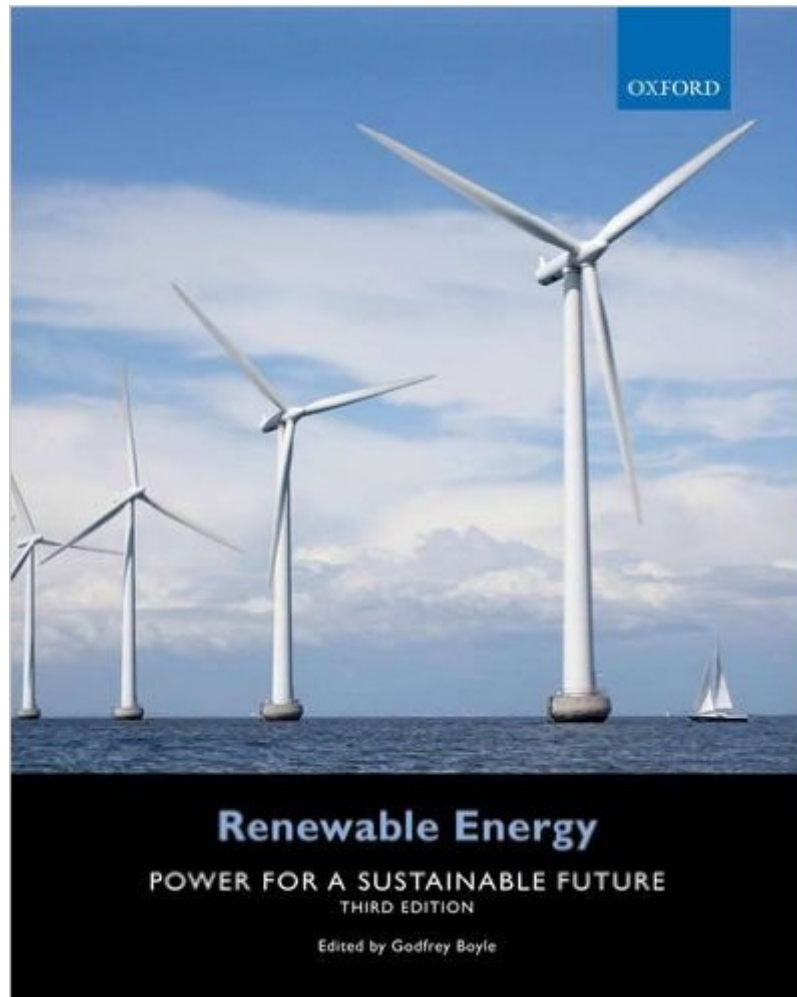


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# Renewable Energy: Power For A Sustainable Future



## Synopsis

The provision of sustainable energy supplies for an expanding and increasingly productive world is one of the major issues facing civilization today. *Renewable Energy: Power for a Sustainable Future*, Third Edition, examines both the practical and economic potential of the renewable energy sources to meet this challenge. The underlying physical and technological principles behind deriving power from direct solar (solar thermal and photovoltaics), indirect solar (biomass, hydro, wind, and wave) and non-solar (tidal and geothermal) energy sources are explained, within the context of their environmental impacts, their economics, and their future prospects. Together with its companion volume, *Energy Systems and Sustainability*, Second Edition (OUP, 2012, 9780199593743), this book provides both perspective and detail on the relative merits and state of progress of technologies for utilizing the various "renewables." The analysis considers emissions, sustainability, cost implications, and energy security, as political and economic pressures move society towards a low-carbon future. From an overview of basic energy conversion processes to a discussion of the individual renewable sources to a concluding examination of the prospects for their integration into national and international networks, *Renewable Energy: Power for a Sustainable Future*, Third Edition, provides a valuable insight into prospects for the renewables.

**FEATURES**

- Covers all principal sources of renewable energy currently being exploited
- Uses an interdisciplinary approach in considering economic, social, environmental, and policy issues
- Rich pedagogy including detailed color illustrations and tables of data

**COMPANION WEBSITE**

([www.oup.com/uk/orc/bin/9780199545339](http://www.oup.com/uk/orc/bin/9780199545339))

- For students: Self-assessment questions and links to further information and up-to-date energy statistics
- For instructors: Figures from the book in electronic format (available to registered adopters of the book)

## Book Information

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## Customer Reviews

Excellent book. While reads like a textbook, the information is accurate, up to date, and complete. Lots of illustrations and diagrams to make the material easier to understand. Moderate understanding of math needed to do the calculations, but if all you're looking for is a review of alternative energy and its place in the world, this will be great for you. My professor used this book as a textbook for our Renewable Energy in the Pacific Northwest class. I won't be returning it.

Is a nice book. Has several and updated information about renewables. Is UK centric but also explain world situation. Is so easy to understand, even to people with low knowledge in power engineering. As a Mechanical engineer, I could say is a great book to get a global knowledge about renewables. Full Color book, several topics, writers, pictures. Recommended book.

The Third Edition provides current, up to date information and does a great job connecting the science of renewable energy to "real life," while still ensuring the reader learns the fundamentals of the science. The text produces an educated reader able to effectively apply learned information where it matters. The text addresses renewable energy specifics of the UK much more than specifics elsewhere in the world. More information on renewable energy as it applies to different countries and regions would be beneficial.

Strongly recommended reading, it is actually regarding energy projects been built world wide, accurate and technical accessible even for non engineers.

Has plenty of information on the different types of renewable energy, the ways of building and constructing before harnessing, etc, Very futuristic.

excellent book. Lots of information on renewable energies out there. Lets move away from nuclear power. Lets hang our clothes outside to dry.

I have been using this book from the library before even purchasing it. I recommend

A lot of good info but very little information for actual calculation.

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