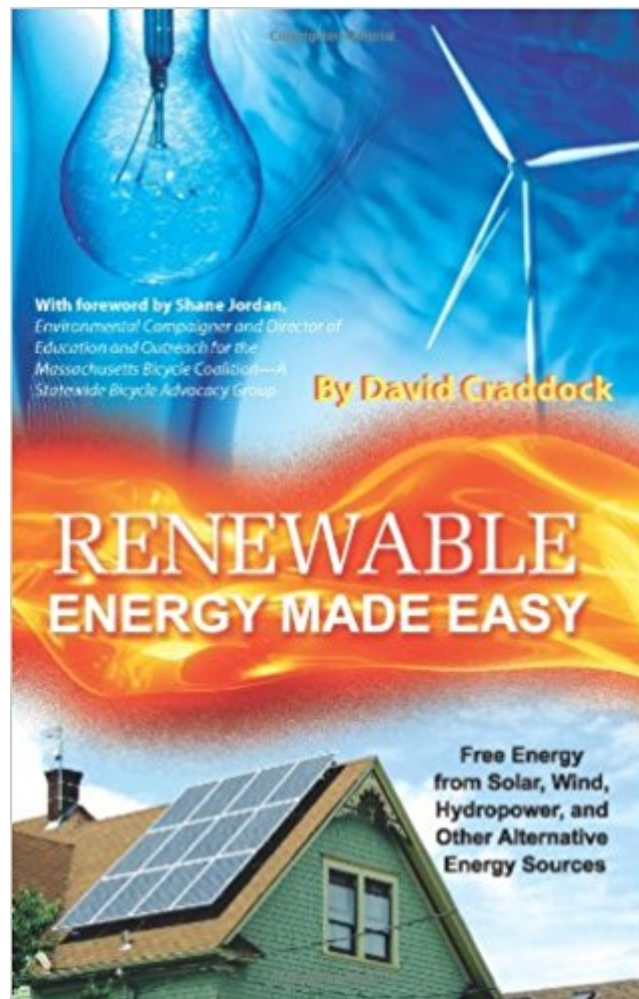


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Renewable Energy Made Easy: Free Energy From Solar, Wind, Hydropower, And Other Alternative Energy Sources



Synopsis

Studies have shown that the average North American family will spend more than a quarter of a million dollars on energy in a lifetime. What many other countries, including Germany, Spain, France, Denmark, China, Brazil, and even Iceland, have realized is that there is a better way to power our homes, businesses, and cars by using renewable energy sources. Recently, the United States has begun to understand the importance of reducing its reliance on coal, natural gas, nuclear power, and hydropower plants, which comprise the majority of the nation's electricity, due to increasing oil prices. Some sections of the country, including California, are turning to renewable energy sources. In fact, 12 percent of California's electricity is produced by renewable resources. The potential for the use of renewables is very large and understanding their use and their impact is key. *Renewable Energy Made Easy* will provide you with everything you need to know about these alternative energy sources. You will learn about solar power, wind power, water power, biofuels, geothermal energy, ethanol, wave farms, photovoltaic power plants, and hydrogen fuels. You will also become well-versed on the availability, aesthetics, environmental and social considerations, and longevity issues of these so-called soft energy technologies. In addition, you will learn about the current costs and the projected costs in the future, ENERGY STAR® regulations, the newest research and innovations, and the high development potential of renewable energy. This book will serve as a guide to creating more efficient buildings and an invaluable resource for how to change our preconceived notions about power. This book has taken the complexity and scientific terms out of this topic, making it jargon-free and easy to understand. Ultimately, you will learn how our country can improve energy efficiency, reduce oil dependence, improve energy security, and reduce the health and environmental impact of our current energy system.

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Customer Reviews

Renewable Energy Made Easy is an ideal reference text for anyone who is determined to increase their knowledge regarding the creation of a greener society, both locally and globally, beyond that of merely, "reduce, reuse, and recycle." Following an introductory description of the currently strained ecological conditions regarding the severe mass-dependence on existing fossil fuels and the various global complications and consequences resulting from this widespread dependence, author David Craddock presents a well-written, succinct overview of available alternative energy sources that could be utilized to offset the assorted damage and depletion of fossil fuels. Within this extremely informative and interesting text, assorted alternative energy sources are defined and the advantages and disadvantages of each are equally debated, and further discussion is given to the examination of the dangerous tolls taken collectively on the planet and its inhabitants by the continued severe overuse of fossil fuels. The issues associated with the alternative and renewable energies include those related to financial expense, resource development and availability, as well as public acceptance, while the obvious economic, political, and environmental issues continue to adversely affect the supply and demand trends and usage of fossil fuels. With the research of alternative and renewable energies, comparable solutions are offered, including acceptable combinations of resources, to offset any possible problems with their planned execution and usage.

Finally, actual case studies of the previously discussed forms of alternative energy are given in a presentation of examples to provide for the practical application of the knowledge gained from this text.

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