



The Science of Renewable Energy

By Frank R. Spellman

CRC Press, Hardcover, Book Condition: New, Hardcover, 339 pages. Dimensions: 10.1in. x 7.3in. x 1.0in.As time goes forward, the availability of affordable and accessible petroleum products decreases while the negative environmental impact increases. If we want to sustain our current way of life, which includes massive energy consumption, it is necessary to find alternatives to fossil fuels to prevent fuel shortages and to preserve and repair the environment around us. The Science of Renewable Energy presents a no-nonsense discussion of the importance of renewable energy, while adhering to scientific principles, models, and observations. The text includes in-depth discussions of emerging technologies, including biomass and fuel cells, and major sources of renewable energy, such as ocean, hydro, solar, and wind energy. To provide a fundamental understanding of the basic concepts of renewable energy, the book also offers an extensive discussion on the basics of electricity, since it is applied to and produced from all forms of renewable energy. While emphasizing the technical aspects and practical applications of renewable sources, the text also covers the economic, social, and policy implications of large-scale implementation. The main focus of the book is on methods of obtaining energy from selfreplenishing natural processes while limiting pollution...



Reviews

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-- Arielle Ledner

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-- Dr. Carmine Hammes

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