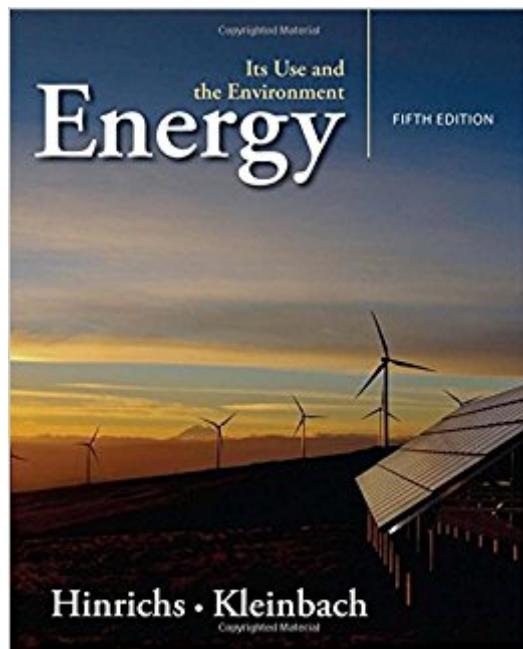


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# Energy: Its Use And The Environment



## **Synopsis**

What is the impact of such energy issues as global warming, radioactive waste, and municipal solid waste on the individual and society? ENERGY: ITS USE AND THE ENVIRONMENT answers these questions, emphasizing the physical principles behind energy and its effects on our environment, and explaining the basic physical principles behind the use of energy, including the study of mechanics, electricity and magnetism, thermodynamics, and atomic and nuclear physics. By placing energy issues within the context of everyday examples and asking you to define and support critical arguments, ENERGY: ITS USE AND THE ENVIRONMENT offers a provocative approach to this crucial issue.

## **Book Information**

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## **Customer Reviews**

Roger Hinrichs has been Professor of Physics and department chair at SUNY-Oswego, where he taught energy related courses for over 25 years. His training is in experimental nuclear physics, and his research involves studies of trace materials in environmental and biological samples using PIXE with Oswego's Van de Graaff particle accelerator. He has an interest in energy use in developing countries, and spent time in Kenya and India as well as a year as a Fulbright Scholar in the sultanate of Oman. He co-directs the Institute in Energy Education, a program for secondary school science and technology teachers. In its 20 years, this program has impacted over 500,000 students and has won numerous awards. Dr. Hinrichs also supports active inquiry-based learning in the classroom; some of the activities in this text come from, or are part of, his course "Physics for

Elementary Education Majors." He has worked as a consultant at local, state, and national levels on matters of energy policy and energy technologies. Presently, he is a visiting professor at the Weill Cornell Medical College in Qatar. Merlin H. Kleinbach received his Bachelor's degree from Westmar College, IA; his Masters degree from Colorado State College, 1955; and a doctorate in education from the University of Missouri in 1959. He has taught high school science and industrial arts in Colorado, and college courses in woodworking technology, metals technology, and basic electronics as well as Professional Education graduate courses for seven years at Wayne State College in Nebraska. Given an opportunity to teach and travel overseas, he took a position at Haile Selassie I University in Addis Ababa, Ethiopia, for four years (1966-1970), assisting in developing a teacher education program to prepare technology teachers for the newly developed comprehensive school program there. The University employed faculty from several dozen different countries from around the world, providing real insights into other cultures, their concerns, and potential. During this period, he and his family traveled extensively to countries in Europe, Africa, and Asia.

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great quality

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