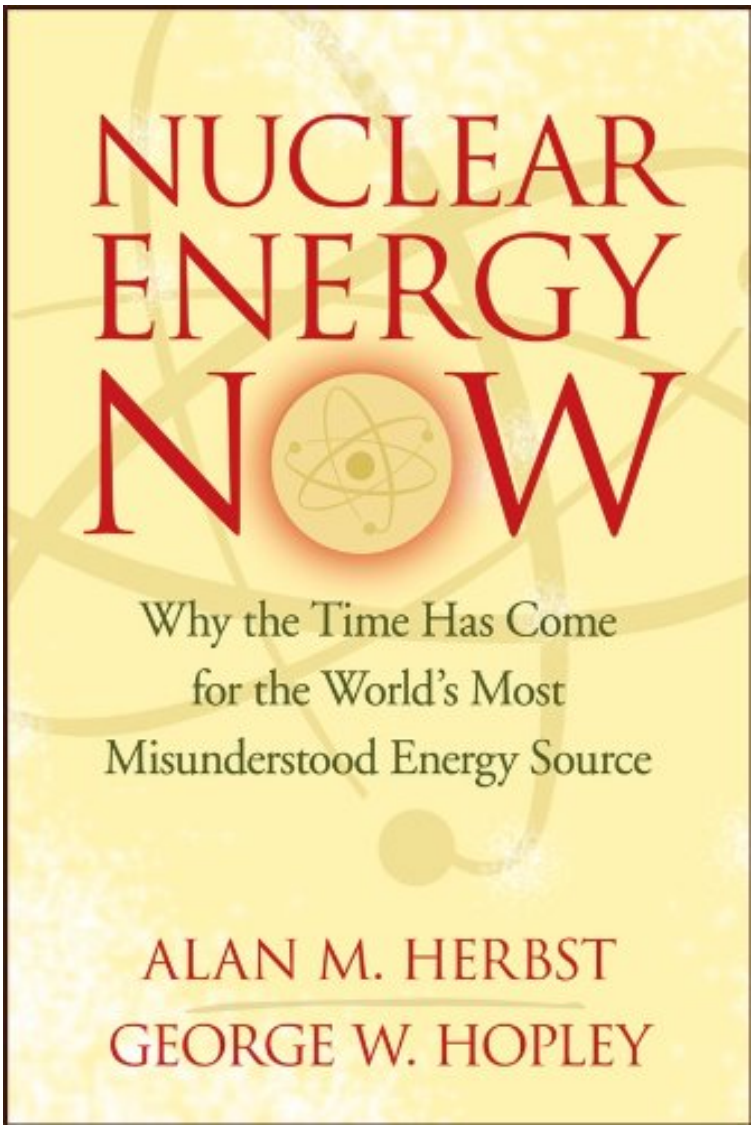
Nuclear Energy Now: Why the Time Has Come for the World's Most Misunderstood Energy Source

Alan M. Herbst, George W. Hopley
*ebooks | Download PDF | *ePub | DOC | audiobook*



#3198277 in eBooks 2009-05-18 2009-05-18File Name: B001O2S8IY | File size: 52.Mb

Alan M. Herbst, George W. Hopley : Nuclear Energy Now: Why the Time Has Come for the World's Most Misunderstood Energy Source before purchasing it in order to gage whether or not it would be worth my time, and all praised Nuclear Energy Now: Why the Time Has Come for the World's Most Misunderstood Energy Source:

4 of 5 people found the following review helpful. Safe and secure nuclear power for replacing fossil fuelsBy Klaus H. Hemsath"Nuclear Energy Now" is an excellent book about the present status of nuclear power. Its starting point is the

realization that increasing amounts of carbon dioxide emissions are causing global warming and climate change. Combustion of fossil fuels is producing this chemically very stable and optically active gas. There seems to be only one effective way to stop its accumulation in the atmosphere; we must stop all fossil fuel combustion!The industrial revolution of the last two centuries has made many nations and its citizens very prosperous. The ready availability of huge amounts of inexpensive energy facilitated this burst of industrial activity. World economies have become utterly dependent on the unlimited supply of electricity, heating gases, and transportation fuels."Nuclear Energy Now" shows that it is possible to build nuclear plants that can in due time replace all fossil fuel fired electric power plants. Nuclear energy cannot only replace fossil fuels in this energy sector. Nuclear fuel costs and nuclear plant costs are low enough to produce electricity at very competitive prices.However, nuclear power has a major image problem. The public does not understand the technology, is deadly afraid of nuclear radiation, does not believe that nuclear reactors are safe, and fears that the proliferation of nuclear power across the world will create security problems.The authors try to dispel these concerns. They make the point that the US has an outstanding safety record and that not a single person has ever been killed in an accident. They also point to France, which is producing close to 80% of its electricity from nuclear fuels. They ascertain that nuclear power plants do not emit greenhouse gases or radioactive substances and are safe.Nuclear energy is the only viable option for replacing fossil fuels for electric power generation. Solar power, wind power, and other renewable energies can only replace a fraction of the electric power, which we need to keep our economies healthy.Replacing petroleum for powering the world's transportation systems may be an even more challenging problem than electricity generation and is even more critical for the functioning of the world's economies.The two authors, Alan M. Herbst and George W. Hopley have written an outstanding text that spells out the unique promises and the continuing problems of nuclear power.In the end, the reader is left with a choice. Are the safety measures and security provisions described by the authors acceptable or are they still found wanting.We need alternate ways to produce electric power urgently. Renewable energies cannot contribute enough power soon enough. Nuclear power seems our only hope. One question keeps lingering; can more be done to eliminate remaining safety and security concerns?14 of 18 people found the following review helpful. Damming with faint praiseBy S. DuvalThis book purports to support nuclear power and then doesn't make much of a case for it. I am sorry that I wasted my money on this book.Try Power to Save the World: The Truth About Nuclear Energy by Gwyneth Craven who is a 30 year green activist and makes a fact based argument for nuclear. She puts forward all the standard arguments against nuclear and shows how they don't hold up. She spent 8 years researching her book with another environmentalist who works at the Sandia National Laboratory.11 of 16 people found the following review helpful. no bad, nevertheless.....By DANIEL B. E.If you are only interested in economic, this book is your book.However,if you want to learn something about Nuclear Energy and you are no an enginer "A CASE FOR NUCLEAR-GENERATED ELECTRICITY ... or why I think nuclear power is cool and why it is important that you think so too", written by Scott W. Heaberlin is your book."THE REVENGE OF GAIA" written by James Lovelock is your book if you are the kind of guy who enjoys learning and who is worried about environmental isuues.Have a look in internet ....EFN - Environmentalists For Nuclear Energy.Bye and thanks. I afraid of my English is a bit sad. See you.

A timely and thought-provoking solution to the world's energy shortfall The dramatic increases in oil and natural gas prices, the finite supply of fossil fuels, and concerns over emissions and global warming are forcing us to consider alternatives. In this measured and knowledgeable book, energy experts Alan Herbst and George Hopley argue that the time has come for the U.S. to revitalize its nuclear generation assets in order to successfully meet growing domestic electricity requirements and lessen our dependence on foreign sources of energy. Nuclear Energy Now provides an informed look at the benefits and drawbacks associated with this controversial alternative to traditional energy sources. It opens with a brief overview of commercial nuclear development in the U.S. during the past half-century and moves on to discuss what the future may hold if new initiatives-supported by the Energy Policy Act of 2005-gain traction. Along the way, readers will find informed insights into why the need for nuclear power has become so critical and how we can safely add capacity in the coming years. Exploring all of the issues related to developing America's nuclear energy capabilities safely and cost-effectively, Nuclear Energy Now is a must-read for anyone concerned about our oil dependency, the environment, and future of the nation.

From the Inside FlapOver the past sixty years, we've seen the successful transformation of the atom from a military weapon to a vast source of electricity that powers many of our everyday activitiesmdash;from surfing the Web to running a washing machine. And while nuclear energy is still viewed with some skepticism, decades of reliable output from this source have clearly illustrated its enormous potential. Energy experts Alan Herbst and George Hopley understand the essential issues surrounding this industry, and in Nuclear Energy Now, they provide you with a balanced look at the benefits and drawbacks associated with this effective alternative to traditional energy sources, and discuss why the time has come for the United States to revitalize its nuclear generation assets. Nuclear Energy Now opens with a brief overview of commercial nuclear development in the United States during the past half-century and moves on to discuss what the future may hold if new initiativesmdash;supported by the Energy Policy Act of

2005mdash;gain traction. Along the way, you'll discover why the need for nuclear power has become so critical and how we can safely add capacity to our national system in the coming years. Filled with in-depth insights and practical advice, Nuclear Energy Now explores all of the issues related to developing America's nuclear energy capabilities and: Identifies the strategic steps the U.S. government has taken to "jump start" this critical industry Outlines the favorable economic and environmental aspects of nuclear power Details nuclear technology's proven safety record as well as its ongoing operational upgrades Examines nuclear power's growing global footprint and chronicles its current and past successes in Europe and the Far East Nuclear power, with its proven track record and ability to produce tremendous amounts of energy from modest amounts of relatively inexpensive fuel, cannot be ignoredmdash;especially in today's environment of increasing energy demand and geopolitical instability. Engaging and informative, Nuclear Energy Now clears up many of the pervasive misconceptions regarding this proven technology and provides you with an unbiased look at how nuclear energy can power our country well into the twenty-first century.From the Back CoverPraise for Nuclear Energy Now "Herbst and Hopley do a brilliant job of dispelling?myths about the alleged health risks?of nuclear power. This book will be a major catalyst in rallying public support for this efficient, environmentally friendly, and safe source of energy for America." mdash;Dr. Elizabeth M. Whelan, President, American Council on Science and Health "Nuclear Energy Now addresses the two most critical technical problems for the United States: improving our energy generation capacity and lowering the emissions of greenhouse gasses. The U.S. energy community needs more people like Alan Herbst and George Hopley, energy experts who, in this book, successfully explain the benefits of nuclear power generation and resolve many of the flawed assumptions that have delayed the United States in building a domestic nuclear power infrastructure." mdash;Robert Hotto, Chief Scientist, Chai Energy "Alan Herbst and George Hopley have really captured the growing public mandate to build more nuclear power plants, as well as discuss the clean air benefits that they bring to help reduce our problematic CO2 emissions that are leading to global warming. This book is a must read for all Americans who care about our national security and who want to put an end to our energy dilemma and force our government to embark upon establishing an energy policy that really addresses the concerns future generations will inherit." mdash;David Perez, CEO and Chairman, Surge Global Energy, Inc.About the AuthorAlan M. Herbst has twenty years' experience in energy consulting and is the General Partner of Utilis Energy, LLC, a strategic consulting firm based in New York. In recent years, he has focused his efforts on emerging energy technologies and markets, specifically nuclear power, the Alberta oil sands, coal gasification technologies, and the growing global LNG market. Herbst has also held energy analysis and consulting positions with the PIRA Energy Group and Standard Poor's. He has an MBA in finance and international business from New York University's Stern School of Business. George W. Hopley is Associate Director of commodity research at Barclays Capital in New York. He analyzes wholesale power and gas markets; distributes daily, weekly, and quarterly reports to an estimated 1,500 clients; and assists the sales and trading team and other parts of the bank. Prior to his current position at Barclays, Hopley served as senior director of research and analysis for Duke Energy in Houston, a director of market research at Enron North America, and an economist at PIRA Energy Group in New York.