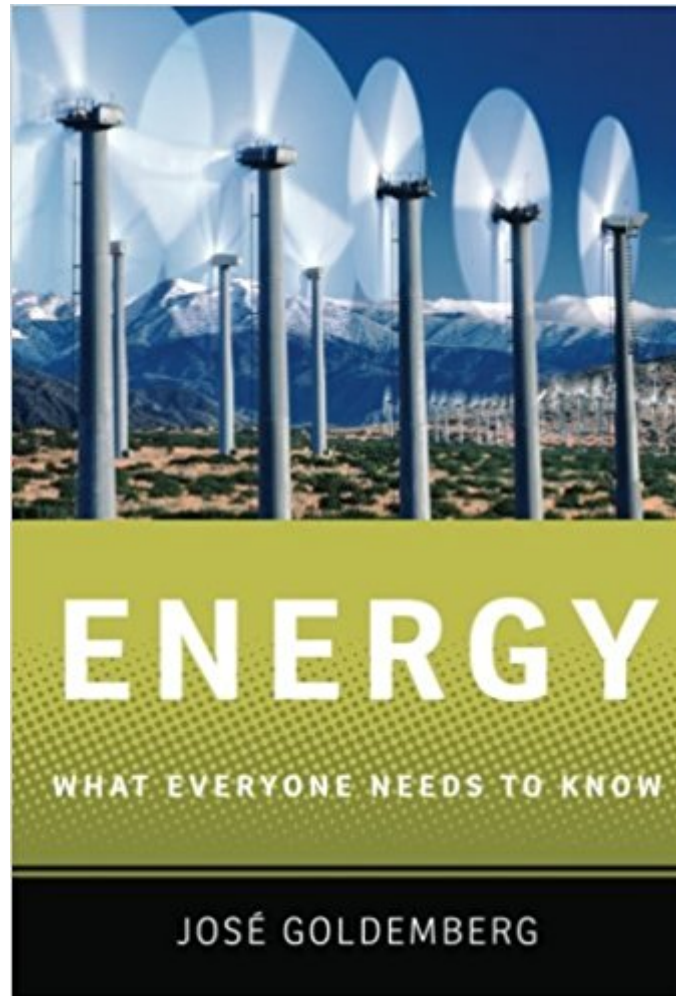




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Energy: What Everyone Needs To Know[®]



Synopsis

Without a doubt, the topic of energy--from coal, oil, and nuclear to geothermal, solar and wind--is one of the most pressing across the globe. It is of paramount importance to policy makers, economists, environmentalists, and industry as they consider which technologies to invest in, how to promote use of renewable energy sources, and how to plan for dwindling reserves of non-renewable energy. In *Energy: What Everyone Needs to Know*®, JosÃfÂ© Goldemberg, a nuclear physicist who has been hailed by Time magazine as one of the world's top "leaders and visionaries on the environment," takes readers through the basics of the world energy system, its problems, and the technical as well as non-technical solutions to the most pressing energy problems. Addressing the issues in a Q-and-A format, Goldemberg answers such questions as: What are wind, wave, and geothermal energy? What are the problems of nuclear waste disposal? What is acid rain? What is the greenhouse gas effect? What is Carbon Capture and Storage? What are smart grids? What is the Kyoto Protocol? What is "cap and trade"? The book sheds light on the role of population growth in energy consumption, renewable energy resources, the amount of available energy reserves (and when they will run out), geopolitical issues, environmental problems, the frequency of environmental disasters, energy efficiency, new technologies, and solutions to changing consumption patterns. It will be the first place to look for information on the vital topic of energy. *What Everyone Needs to Know*® is a registered trademark of Oxford University Press.

Book Information

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WHAT EVERYONE NEEDS TO KNOW About This Series Who it's for: Busy people with diverse interests, ranging from college students to professionals, who wish to inform themselves in a succinct yet authoritative manner about a particular topic. What's inside: An incisive approach to a complex and timely issue, laid out in a straight-forward, question-and-answer format. Meet Our Authors Top experts in their given fields, ranging from an Economist correspondent to a director at the Council on Foreign Relations, you can trust our authors' expertise and guidance. Popular Topics in the "What Everyone Needs to Know" Series International Politics Environmental Policies World History Sciences & Math Religion & Spirituality

José Goldemberg, a world-renowned expert on energy, is former Rector and Professor at the University of São Paulo and served as Secretary of State for Science and Technology and Secretary of the Environment for Brazil. He is the winner of the 2010 Ernesto Illy Trieste Science Prize.

For rookies like me it's a must read. I would even change the name from "Energy. What everyone needs to know" to ".....everyone must know". The book gives prevalent insights and facts (in pleasantly understandable way for beginners) on the impact of present energy consumption (and creation) patterns, that in event has to be changed. Book introduces to reader basic concepts on energy how much energy do we need, how much energy we're going to need, how long fossil fuels will feed us, negative impacts of fossil fuels' consumption, the renewable energy sources, electricity (which to my great amusement is mostly generated from fossil fuels these days), the negative impact some renewable energy sources have on environment and so on. I would recommend this book to have better and bigger picture of present day's world. The good thing about the book that really pleased me was that although talking about some very specific concepts it gave me more holistic view over energy issues that afterwards helped me understand stuff like ethanol (C₂H₆O), methanol, biodiesel, photovoltaic cell, CAES, rebound effect etc. Although there were few typos like calling the company guilty in Gulf oil spill "PB", still thought it was important that I read the book so I'm giving it five stars.

Easy read

Good general overview. Could use more content about laws/policy/current events surrounding

energy.

similar to so many other, similar energy focused books.

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