

# Energy at the Crossroads

## ENERGY AT THE CROSSROADS

GLOBAL PERSPECTIVES AND UNCERTAINTIES VACLAV SMIL



[Energy at the Crossroads\\_ 下载链接1](#)

著者:Vaclav Smil

出版者:The MIT Press

出版时间:2005-2-11

装帧:Paperback

isbn:9780262693240

In *Energy at the Crossroads*, Vaclav Smil considers the twenty-first century's crucial question: how to reconcile the modern world's unceasing demand for energy with the absolute necessity to preserve the integrity of the biosphere. With this book he offers a

comprehensive, accessible guide to today's complex energy issues -- how to think clearly and logically about what is possible and what is desirable in our energy future. After a century of unprecedented production growth, technical innovation, and expanded consumption, the world faces a number of critical energy challenges arising from unequal resource distribution, changing demand patterns, and environmental limitations. The fundamental message of *Energy at the Crossroads* is that our dependence on fossil fuels must be reduced not because of any imminent resource shortages but because the widespread burning of oil, coal, and natural gas damages the biosphere and presents increasing economic and security problems as the world relies on more expensive supplies and Middle Eastern crude oil. Smil begins with an overview of the twentieth century's long-term trends and achievements in energy production. He then discusses energy prices, the real cost of energy, and "energy linkages" -- the effect energy issues have on the economy, on quality of life, on the environment, and in wartime. He discusses the pitfalls of forecasting, giving many examples of failed predictions and showing that unexpected events can disprove complex models. And he examines the pros and cons not only of fossil fuels but also of alternative fuels such as hydroenergy, biomass energy, wind power, and solar power. Finally, he considers the future, focusing on what really matters, what works, what is realistic, and which outcomes are most desirable.

作者介绍:

目录:

[Energy at the Crossroads\\_下载链接1](#)

标签

能源

经济学

Oil

评论

-----  
[Energy at the Crossroads\\_ 下载链接1](#)

## 书评

该书作为开学前推荐书目，对于一个渴望求知的入门选手，具有强烈吸引力。Vaclav SMIL先生试图通过研究化石能源的历史和发展轨迹，分析目前存在的新能源结构特点，来探寻未来人们生活方式的改变和能源结构的创新变化。

-----  
[Energy at the Crossroads\\_ 下载链接1](#)