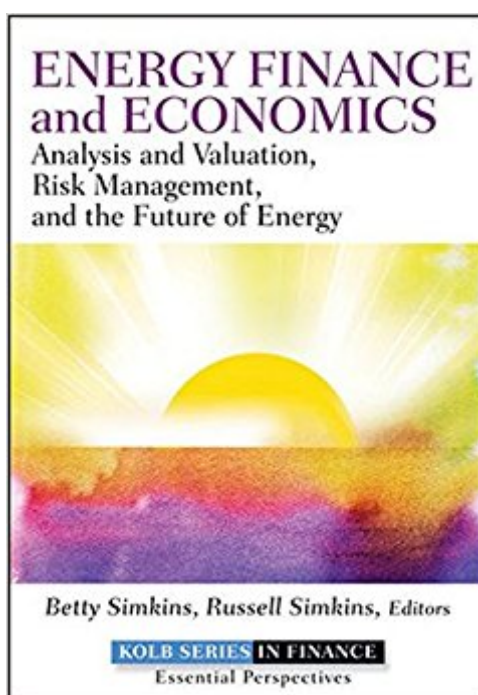


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# Energy Finance And Economics: Analysis And Valuation, Risk Management, And The Future Of Energy



## Synopsis

Thought leaders and experts offer the most current information and insights into energy finance. Energy Finance and Economics offers the most up-to-date information and compelling insights into the finance and economics of energy. With contributions from today's thought leaders who are experts in various areas of energy finance and economics, the book provides an overview of the energy industry and addresses issues concerning energy finance and economics. The book focuses on a range of topics including corporate finance relevant to the oil and gas industry as well as addressing issues of unconventional, renewable, and alternative energy. A timely compendium of information and insights centering on topics related to energy finance. Written by Betty and Russell Simkins, two experts on the topic of the economics of energy. Covers special issues related to energy finance such as hybrid cars, energy hedging, and other timely topics. In one handy resource, the editors have collected the best-thinking on energy finance.

## Book Information

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## Customer Reviews

When it comes to the issue of energy finance and economics, there are many opinions out there, but what's really needed in order to gain a realistic understanding of this field are accurate and unbiased facts. That's why Energy Finance and Economics, part of the Robert W. Kolb Series in Finance, has been created. Engaging and informative, this reliable guide contains the latest insights regarding the finance and economics of energy based on contributions by practitioners and academics who are experts in these areas. It's intended to bridge the gap between the scientific and

technological foundations of energy and the real-world applications in the fields of finance and economics. Divided into four comprehensive parts; with each chapter containing review questions to help reinforce key concepts; this book offers extensive coverage in the areas of valuation, analysis, and risk management, and includes timely discussions about the future of energy. Page by page, it addresses the most essential issues associated with energy finance and economics, and will help you:

- Gain valuable knowledge regarding energy supply and demand, industry structure, the myths and realities about sustainable energy, geopolitics and world energy use, and the drivers of energy prices
- Develop a better sense of value creation and decision-making in the energy industry
- Understand energy applications for best practices in financial analysis, including accounting standards that apply to oil and gas companies, capital budgeting and risk analysis for energy projects, and the economics of renewables
- Become familiar with the various types of energy derivatives and markets, and utilize key hedging techniques useful to energy risk management
- Put the field in perspective with practical case studies related to energy financial analysis such as the economics of buying a hybrid vehicle; Southwest Airlines' decision to retrofit their fleet of jets with blended winglets to save on fuel costs; and the economics of wind energy projects, among others
- And much more

Energy finance is a complex topic, but with this book as your guide, you'll gain a broad understanding of it, and discover how it can be effectively applied in real-world situations.

The Robert W. Kolb Series in Finance is an unparalleled source of information dedicated to the most important issues in modern finance. Each book focuses on a specific topic in the field of finance and contains contributed chapters from both respected academics and experienced financial professionals. As part of the Robert W. Kolb Series in Finance, *Energy Finance and Economics* provides a comprehensive look at this topic by examining the areas of valuation, analysis, and risk management that are associated with it and including timely discussions about the future of energy. Written for both financial professionals and aspiring students, this reliable guide skillfully addresses the finance and economics of energy and covers the principles and tools necessary to conduct sound decision-making and analysis. Divided into four comprehensive parts, it touches on a variety of issues you need to be familiar with, including:

- Geopolitics and world energy markets
- The myths and realities of sustainable energy
- Financial statement analysis for oil and gas companies
- Financing large energy projects
- Petroleum economics, risk and opportunity analysis
- Energy derivatives and markets
- Carbon management and environmental issues

Rounding out this detailed discussion are six informative case studies that involve challenging analysis in different

areas of energy finance and economics. Energy Finance and Economics contains the latest thinking in this field from some of today's leading practitioners and academics. Engaging and accessible, this book provides a firm understanding of what it will really take to excel at this difficult endeavor.

"Energy Finance and Economics" is an excellent book for the student who is seeking to learn more about the industry or for the industry professional that needs a refresher on how the industry operates. The book provides the layperson an excellent starting point for an introduction to the world of energy finance and also provides sound, accurate data for industry professionals seeking to brush up on his or her skills. I would not recommend this book to someone with absolutely no knowledge of finance though. The book assumes the reader has at least had some exposure to finance. After taking a college course utilizing this book as its required text and being an industry professional myself, I found that I was still able to learn a great deal from each chapter. The book is exceptionally informative and will remain in my library for quite some time as a reference guide when I need to look something up for work. It is also a relatively easy read. It is not too boring for those of us who have an active interest in the topics of energy and finance.

This book is very well laid out and covers topics in a real world setting rather than in academic theory. I was able to see why the material was selected and why each example was used in this book. I took Betty Simkins course at Oklahoma State on my own time after I purchased the book and she is extremely knowledgeable, easy to approach and an industry experienced lady. I was further impressed when the company I recently joined gives a copy of this book to each employee for review and reference...and the management has no ties to Oklahoma State University or to the Simkins'. Very good purchase and you will be happy you took the time to read.

This book is interesting and the information within is timely and valuable. The most impressive thing to me was the liberal use of charts, and references within the book that actually work perfectly in a digital format. I read it on both my pc and tablet and the re sizing of the images and the ability to quickly return to page after clicking on a link for a resource is very nice. I often have books that if I click on a link to appendix it will not get me back to where I was. The one thing I would like to see done, a lot of work, but it has a fabulous index that appears in back, but of course no page numbers but also no links back to book locations. The book was so informative and easy to use that it enticed me to purchase two other from the Robert Kolb series. I had never been aware of this series but I can see myself working my way through the majority of them if they are as well done and written as

this one.

This book is one of the most comprehensive works on the O&G industry I have ever read. It covers a wide range of topics gives a complete review of the essentials for the aspiring professional.

As a working professional in Oil and Gas as well as a part time graduate student I found this book very relevant to the current industry environment, not just a class necessity. Even after completing the class I refer to it on a regular basis.

I got this book for my Energy Finance class in college and the learning that I gained from this book was so beneficial. I plan on going into the energy industry and this book gave me great insight.

Book provides great insight regarding the financial world of oil and gas. Covers all the necessities for an immediate energy investor

EXCELLENT..

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Value Based Management: Deposit and Loan Pricing, Performance Evaluation, and Risk, 2nd Edition (Business Books) Mortgage Valuation Models: Embedded Options, Risk, and Uncertainty (Financial Management Association Survey and Synthesis) Business Portfolio Management: Valuation, Risk Assessment, and EVA Strategies Fundamentals of Risk Management: Understanding, evaluating and implementing effective risk management Hedging Currency Exposures: Currency Risk Management (Risk Management Series) Making Enterprise Risk Management Pay Off: How Leading Companies Implement Risk Management Security Risk Management: Building an Information Security Risk Management Program from the Ground Up

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