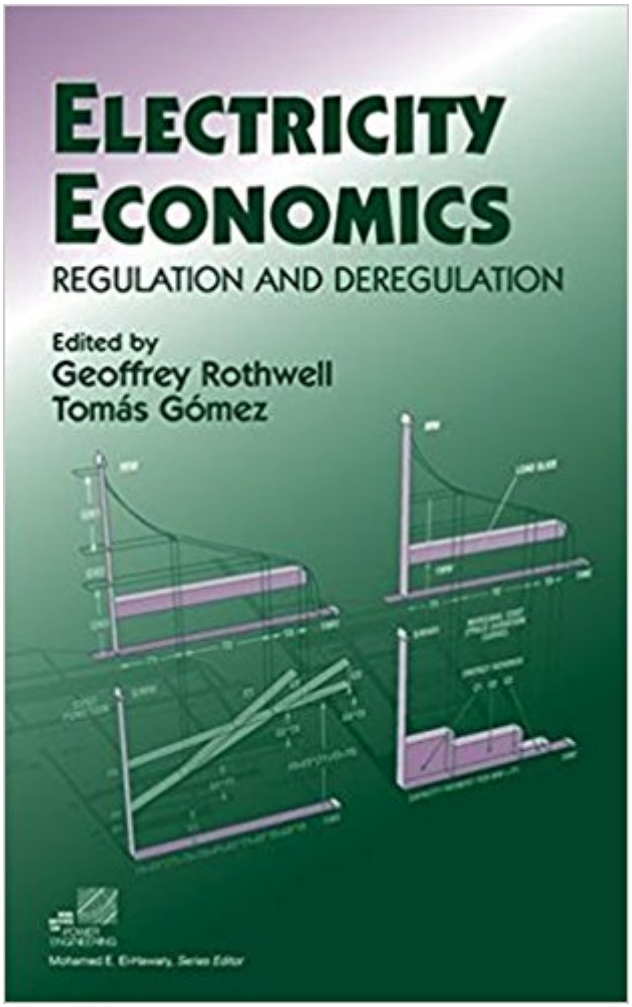
Electricity Economics: Regulation And Deregulation



Synopsis

A lucid and up-to-date introduction to understanding electrical power utilities in an era of change Electric utilities worldwide are undergoing profound transformations: nationally owned systems are becoming privatized, privately owned systems that were previously regulated are becoming deregulated, and national systems are becoming international. Professionals in the power sector must now work in a new world in which an understanding of the principles of markets and how to evaluate investment projects under competition are essential. This text was written as a manual for the Russian Federal Energy Commission to train regional electricity rate regulators in the principles of economics and finance involved in regulating electricity markets and deregulating electricity generation. Requiring no familiarity with economics and using a minimum of mathematics, this book provides professionals in the power sector with the tools to face the new realities of electric utility operation. Designed both as a reference for practicing professionals and as a textbook for university and continuing education programs, Electricity Economics: Regulation and Deregulation discusses: The lessons learned from international experiences Competitive versus noncompetitive markets Cost and supply, profit, and economic efficiency The cost of capital, including net present value, discounting, and risk and return Wholesale power markets, generation expansion, and customer choice Specific international examples including the Californian, Norwegian, Spanish, and Argentine power sectors Plus numerous exercises to help clarify and support absorption of the concepts

Book Information

Hardcover: 304 pages

Publisher: Wiley-IEEE Press; 1 edition (February 14, 2003)

Language: English

ISBN-10: 0471234370

ISBN-13: 978-0471234371

Product Dimensions: 6.5 x 0.8 x 9.6 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 stars 3 customer reviews

Best Sellers Rank: #466,335 in Books (See Top 100 in Books) #52 inÃ Â Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Economics #99 inÃ Â Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Electric #188 inÃ Â Books > Business & Money > Industries > Energy & Mining > Oil & Energy

Customer Reviews

"This training guide requires no familiarity with economics and uses a minimum of mathematics to provide power sector professionals with the tools to face change." (Business Horizons, September-October 2004) Ã¢â ¬Å“...this collection is devoted tot he challenges that lie ahead in this area.Ã¢â ¬Â• (Business Horizons, Vol. 47, No. 2, March/April 2004) "...a useful addition to the introductory literature on electricity market deregulation..." (The Journal of Energy Literature, Vol.1X, No.1, 2003) "...produced for...the thousands of professionalsÃ¢â ¬Â¦who need to understand the underlying changes that are occurring...the value of this primer is that it covers many topics of regulatory economics...applicable to restructured electricity markets and introduces the reader to electricity markets..." (Energy Journal) "This book, sponsored by the Institute of Electrical and Electronics Engineers, is really an economics tutorial. It could well be worth millions of dollars to the right industry niche players... I highly recommend this title for anyone playing in this niche financial and energy market." (Business Information Alert, Vol. 15, No. 9, October 2003) "Ã¢â ¬Â¦I would recommend this book for self-study for any engineerÃ¢â ¬Â¦" (IEEE Power & Energy Magazine, July/Aug 2003)

A lucid and up-to-date introduction to understanding electrical power utilities in an era of change Electric utilities worldwide are undergoing profound transformations: nationally owned systems are becoming privatized, privately owned systems that were previously regulated are becoming deregulated, and national systems are becoming international. Professionals in the power sector must now work in a new world in which an understanding of the principles of markets and how to evaluate investment projects under competition are essential. This text was written as a manual for the Russian Federal Energy Commission to train regional electricity rate regulators in the principles of economics and finance involved in regulating electricity markets and deregulating electricity generation. Requiring no familiarity with economics and using a minimum of mathematics, this book provides professionals in the power sector with the tools to face the new realities of electric utility operation. Designed both as a reference for practicing professionals and as a textbook for university and continuing education programs, Electricity Economics: Regulation and Deregulation discusses: * The lessons learned from international experiences * Competitive versus noncompetitive markets * Cost and supply, profit, and economic efficiency * The cost of capital, including net present value, discounting, and risk and return * Wholesale power markets, generation expansion, and customer choice * Specific international examples including the Californian, Norwegian, Spanish, and Argentine power sectors * Plus numerous exercises to help clarify and support absorption of the concepts

Hey, this is my one and only book. The first 5 chapters cover regulatory economics and the last 4 chapters examine electricity regulatory reform in California, Norway, Spain, and Argentina. Each of the case studies uses the same format, so experience can be compared from country to country (we kinda think of California as a country). I am most proud of the exercises in Chapters 2-5 that build on previous chapters. For example, Chapter 2 is an excellent overview of energy economics: everything you'll need to be able to understand economic journals articles (but you need to work through the exercises). Let me know what you think: google me to find my current email address.

I used this book for an MBA project work about Italian electricity market. Easy to read and understand, it covers the basics of deregulation, the electricity market pool, the basic activities such as generation, trasmission, distribution and retail and proposes some real cases about market liberalization (California, Norway, Spain and Argentina) that should help to understand every kind of specific worldwide market. I found this book very useful for my educational purposes but maybe it could be too much generic for professional people.

This book is easy to follow all concepts. Any new power system engineers should have it in order to understanding a deregulated market.

Electronics Glencoe Physical iScience Modules: Electricity and Magnetism, Grade 8, Student Edition (GLEN SCI: ELECTRICITY/MAGNETIS) What Is Electricity? (Understanding Electricity (Crabtree)) Static Electricity (Where does Lightning Come From): 2nd Grade Science Workbook | Children's Electricity Books Edition Science Fair Projects With Electricity & Electronics: Electricity & Electronics Regulation by Contract: A New Way to Privatize Electricity Distribution? (World Bank Working Papers) International Comparisons of Electricity Regulation Cyclic Nucleotide Phosphodiesterases: Structure, Regulation and Drug Action (Wiley Series in Molecular Pharmacology of Cell Regulation)