Evolution of Global Electricity Markets

New paradigms, new challenges, new approaches
Edited by: Fereidoon P. Sioshansi President, Menlo Energy Economics, San Francisco, CA, USA

Understanding complex electricity markets requires an international, up-to-date perspective. Stay current with the latest insights on market designs and reforms from experts around the globe.

KEY FEATURES

• Features a unique global perspective from more than 40 recognized experts and scholars around the world, offering opportunities to compare and contrast a wide range of market structures
• Analyzes how the implementation of existing and developing market designs impacts real-world issues such as pricing and reliability
• Explains the latest thinking on timely issues such as current market reform proposals, restructuring, liberalization, privatization, capacity and energy markets, distributed and renewable energy integration, competitive generation and retail markets, and disaggregated vs. vertically integrated systems

DESCRIPTION

Get the latest on rapidly evolving global electricity markets direct from the scholars and thought leaders who are shaping reform. In this volume, dozens of world-class experts from diverse regions provide a comprehensive assessment of the relevant issues in today’s electricity markets.

Amid a seething backdrop of rising energy prices, concerns about environmental degradation, and the introduction of distributed sources and smart grids, increasingly stringent demands are being placed on the electric power sector to provide a more reliable, efficient delivery infrastructure, and more rational, cost-reflective prices. This book maps out the electric industry’s new paradigms, challenges and approaches, providing invaluable global perspective on a host of new and pressing issues being investigated by research institutions worldwide. Companies engaged in the power sector’s extensive value chain including utilities, generation, transmission & distribution companies, retailers, suppliers, regulators, market designers, and the investment & financial rating community will benefit from gaining a more nuanced understanding of the impacts of key market design and restructuring choices. How can problems be avoided? Why do some restructured markets appear to function better than others? Which technological implementations represent the best investments? Which regulatory mechanisms will best support these new technologies? What lessons can be learned from experiences in Canada, Australia, Texas, Brazil, Russia, India, China or the U.K.? These questions and many more are undertaken by the brightest minds in the industry in this one comprehensive, cutting-edge resource.