

Public Utilities Second Edition

This book introduces the main concepts of microeconomics to upper division undergraduate students or first year graduate students who have undergone at least one elementary calculus course. The book fully integrates graphical and mathematical concepts and offers over 150 analytical examples demonstrating numerical solutions. The book has a strong

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theoretical basis but shows how microeconomics can be brought to bear on the real world. New Features for this edition include: an incorporation of the theory of stock externalities associated with greenhouse gases development of the section on insurance with particular reference to the new US healthcare program greater integration of game theoretic concepts throughout the book. The book's style is accessible, but also rigorous. Mathematical examples are provided throughout the book, in particular for key

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concepts and the result is a balanced approach in terms of prose, graphics, and mathematics.

There is a need for fundamental changes in the ways society views electric energy.

Electric energy must be treated as a commodity which can be bought, sold, and traded, taking into account its time-and space-varying values and costs. This book presents a complete framework for the establishment of such an energy marketplace. The framework is based on the use of spot prices. In general terms: o An

hourly spot price (in dollars per kilowatt hour) reflects the operating and capital costs of generating, transmitting and distributing electric energy. It varies each hour and from place to place. o The spot price based energy marketplace involves a variety of utility-customer transactions (ranging from hourly varying prices to long-term, multiple-year contracts), all of which are based in a consistent manner on hourly spot prices. These transactions may include customers selling to, as well as buying from, the utility. The basic theory and practical

implementation issues associated with a spot price based energy marketplace have been developed and discussed through a number of different reports, theses, and papers. Each addresses only a part of the total picture, and often with a somewhat different notation and terminology (which has evolved in parallel with our growing experience). This book was xvii xviii Preface written to serve as a single, integrated sourcebook on the theory and implementation of a spot price based energy marketplace.

Institutional Governance and Regulation of Water Services aims to provide the key elements of policy, governance and regulation necessary for sustainable water and sanitation services. On policy matters, it covers important aspects including separation of policy and delivery, integrated planning, sustainable cost recovery, provisions for the poor, and transparency. Regulation and Regulatory Bodies are presented in their various forms, with discussion of why some form of independent scrutiny is essential for sustainability. The

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focus is on what works and what does not, based on consideration of basic principles and on case studies in both developing and developed countries. The early chapters discuss the key elements, with later chapters considering how these elements have come together in successful reforms of public sector operations. A chapter is devoted to the successful use of the private sector based on lessons learnt from 'failures' of private contracts and the need for the application of sound procurement principles. The current trend is for a public

sector model which benefits from business approaches, the so-called corporatised public utility. Experience since the publication of the first edition in 2007 reinforces the importance of the key elements for sustainable water services. This second edition brings the material up to date and with some increased emphasis on public participation in its many forms. It refers to the opportunity for progress provided by the UN Declaration of Water and Sanitation as a Human Right, but only if it is implemented in a practical and

sustainable way. Institutional Governance and Regulation of Water Services is aimed at providing an informative source for national and local governments responsible for water policy, for water utility managers, and for students who will be the policy makers of tomorrow. It is a teaching aid for courses on water policy, governance and regulation. Covering issues such as deregulation, privatization, organizational reforms, and competition policy, Regulatory Reform of Public Utilities provides a comprehensive summary of regulatory reforms in Japanese

public utility industries. Fumitoshi Mizutani expertly explores the main regulatory structures and regulatory reforms in eight Japanese public utility industries: electric power, gas utility, water supply, railways, local bus, postal services, telecommunications, and broadcasting. There are also separate chapters on yardstick regulation, universal service obligations, privatization and structural reforms, and private sector involvement Ð all important issues in Japanese regulatory reform. This unique study reveals that

regulatory reform in Japan has distinctive features. It seeks to fill the information gap and widen understanding in the international community in relation to the Japanese experience with regulation and reform of public utility industries. This informative book will prove invaluable to postgraduate students, policymakers, and researchers in fields such as regulation, empirical industrial organization, and public policy.

While strides are being made in the research and development of

environmentally acceptable and more sustainable alternative fuels—including efforts to reduce emissions of air pollutants associated with combustion processes from electric power generation and vehicular transportation—fossil fuel resources are limited and may soon be on the verge of depletion in the near future. Measuring the correlation between quality of life, energy consumption, and the efficient utilization of energy, the Handbook of Alternative Fuel Technologies, Second Edition thoroughly examines the science and technology of

alternative fuels and their processing technologies. It focuses specifically on environmental, technoeconomic, and socioeconomic issues associated with the use of alternative energy sources, such as sustainability, applicable technologies, modes of utilization, and impacts on society. Written with research and development scientists and engineers in mind, the material in this handbook provides a detailed description and an assessment of available and feasible technologies, environmental health and safety issues,

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governmental regulations, and issues and agendas for R&D. It also includes alternative energy networks for production, distribution, and consumption. What's New in This Edition: Contains several new chapters of emerging interest and updates various chapters throughout Includes coverage of coal gasification and liquefaction, hydrogen technology and safety, shale fuel by hydraulic fracturing, ethanol from lignocellulosics, biodiesel, algae fuels, and energy from waste products Covers statistics, current concerns, and

future trends A single-volume complete reference, the Handbook of Alternative Fuel Technologies, Second Edition contains relevant information on chemistry, technology, and novel approaches, as well as scientific foundations for further enhancements and breakthroughs. In addition to its purposes as a handbook for practicing scientists and engineers, it can also be used as a textbook or as a reference book on fuel science and engineering, energy and environment, chemical process design, and energy and environmental

policy.

Accounting for Public Utilities provides a comprehensive analysis of accounting for public utilities, bringing into focus all the special types of accounting rules, situations, and adaptations that are essential in this highly specialized industry. Highlights include:

- Discussion of ratemaking concepts, including styles of ratemaking, determining utility rate base, cost allocations and normalization***
- Analysis of regulatory accounting and reporting requirements***
- Explanation of accounting***

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for taxes, public utility regulation, management accounting systems, pricing and depreciation Don't miss this essential guide, packed with insightful analysis and discussion and custom designed for anyone who needs an accounting reference for public utilities.

Includes, as a separate section, reprints from Public utilities reports, annotated 1928-33, and from Public utilities reports (new series) 1934-

[Institutional Governance and Regulation of Water Services: Second Edition](#)

**[The Regulation of Public Utilities
Fundamentals of Predictive Analytics with
JMP, Second Edition](#)**

**[Power Distribution Planning Reference
Book, Second Edition](#)**

**[An Introduction for the General Reader
Free Market Economics, Second Edition](#)**

**[Chinese Contract Law - Theory & Practice
Water Utility Management, 2nd Ed. \(M5\)](#)**

**[The Encyclopedia of Housing, Second
Edition](#)**

**[The Economics of Public Utilities ... Second
Edition](#)**

[Risk Management and Wastewater Utilities - Second Edition](#)

For the past several decades, a climate of deregulation has encompassed industries ranging from public utilities to mass transportation. Harry Martin Trebing has been at the forefront of this debate as one of the foremost specialists in the world in the field of public utility regulation. Warren J. Samuels and Edythe S. Miller have collected a series of articles that assess Harry Trebing's theories on public utility regulation while examining his towering contribution to the field. This manual of practice covers public water utility

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management, designed for new managers, accountants, and supervisors. Second edition.

This book develops a sophisticated account of propaganda and its intriguing history. It begins with a brief overview of Western propaganda, including Ancient Greek theories of rhetoric, and traces propaganda's development through the Christian era, the rise of the nation-state, World War I, Nazism, Communism, and the present day. The core of the book examines the ethical implications of various forms of persuasion, not only hate propaganda but also insidious elements of more generally acceptable communication

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such as advertising, public relations, and government information, setting these in the context of freedom of expression. This new edition is updated throughout, and includes additional revelations about a key atrocity story of World War I.

A thoroughly updated introduction to the current issues and challenges facing managers and administrators in the investor and publicly owned utility industry, this engaging volume addresses management concerns in five sectors of the utility industry: electric power, natural gas, water, wastewater systems and public transit. Consumer law and policy continues to be of great

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concern to both national and international regulatory bodies, and the second edition of the Handbook of Research on International Consumer Law provides an updated international and comparative analysis of the central legal and policy issues, in both developed and developing economies.

Substantially reorganized and updated from the 1995 Water Accounting Handbook (ISBN 978-0898677614), this comprehensive financial management tool provides utility management personnel thorough financial management tools for water utility operations. Coverage includes developing projections, budgeting, internal

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controls, standardized financial methods for benchmarking. This book is intended for both utility management and utility financial personnel and for a reader who has a basic understanding of financial principles. (Replaces (ISBN 978-0898677614)

Going beyond the theoretical foundation, this step-by-step book gives you the technical knowledge and problem-solving skills that you need to perform real-world multivariate data analysis. --

[*Management Challenges for the 21st Century*](#)

[*Telecommunications Law and Policy in the Internet Age*](#)

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Civil Service Systems in Western Europe, Second Edition

Electric System Operations: Evolving to the Modern Grid, Second Edition

PUBLIC UTILITIES FORNIGHTLY

Concepts and Connections

The Canadian Environment in Political Context, Second Edition

Public Utilities, Second Edition

Regulatory Reform of Public Utilities

Digital Crossroads, second edition

Water risks and security are a major global hazard in the 21st

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century and it is essential that water professionals have a solid grounding in the principles of preventative risk management. This second edition of the key textbook, *Risk Management for Water and Wastewater Utilities*, extends beyond first principles and examines the practicalities of resilience and vulnerability assessment, strategic risk appraisal and the interconnectedness of water utility risks in a networked infrastructure. It provides an up-dated overview of tools and techniques for risk management in the context of the heightened expectations for sound risk governance that are being made of all water and wastewater utilities. *Risk Management for Water and Wastewater Utilities* provides a valuable starting point for newly appointed risk managers in the utility sector and offers MSc level self-paced study with self-assessment questions and abbreviated answers, key learning points, case studies and worked examples.

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Principles of public utility rates is a study devoted primarily to a specification and analysis of the standards of reasonable or socially optimum processes applicable to public utility companies.

Since publication of the groundbreaking Encyclopedia of Housing in 1998, many issues have assumed special prominence within this field and, indeed, within the global economy. For instance, the global economic meltdown was spurred in large part by the worst subprime mortgage crisis we've seen in our history. On a more positive note, the sustainability movement and "green" development has picked up considerable steam and, given the priorities and initiatives of the current U.S. administration, this will only grow in importance, and increased attention has been given in recent years to the topic of indoor air quality. Within the past decade, as well, the Baby Boom Generation began its march into retirement and senior

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citizenship, which will have increasingly broad implications for retirement communities and housing, assisted living facilities, aging in place, livable communities, universal design, and the like. Finally, within the last twelve years an emerging generation of young scholars has been making significant contributions to the field. For all these reasons and more, we are pleased to present a significantly updated and expanded Second Edition of The Encyclopedia of Housing.

This thoroughly revised and updated second edition of Civil Service Systems in Western Europe presents a comprehensive overview of the important issues in modern bureaucracies and provides a comparative analysis of the civil service systems of various Western European nations.

Good aging infrastructure management consists of optimizing the

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choice of equipment and its refurbishment while also making compatible changes in all those operating and ownership policies, the whole combination aimed at optimizing the business results the power system owner desires. Both a reference and tutorial guide, this second edition of *Aging Power Delivery Infrastructures* provides updated coverage of aging power delivery systems, the problems they cause, and the technical and managerial approaches that power systems owners can take to manage them. See *What's New in the Second Edition*: All chapters have been updated or are completely new Comprehensive discussions of all issues related to equipment aging Business impact analysis and models and engineering business studies of actual utility cases Strategy and policy issues and how to frame and customize them for specific situations This book looks at the basics of equipment aging and its system and business impacts

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on utilities. It covers various maintenance, service and retrofit methods available to mitigate age-related deterioration of equipment. It also presents numerous configuration and automation upgrades at the system level that can deal with higher portions of aging equipment in the system and still provide good service at a reasonable cost.

A thoroughly updated, comprehensive, and accessible guide to U.S. telecommunications law and policy, covering recent developments including mobile broadband issues, spectrum policy, and net neutrality. In *Digital Crossroads*, two experts on telecommunications policy offer a comprehensive and accessible analysis of the regulation of competition in the U.S. telecommunications industry. The first edition of *Digital Crossroads* (MIT Press, 2005) became an essential and uniquely readable guide for policymakers, lawyers,

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scholars, and students in a fast-moving and complex policy field. In this second edition, the authors have revised every section of every chapter to reflect the evolution in industry structure, technology, and regulatory strategy since 2005. The book features entirely new discussions of such topics as the explosive development of the mobile broadband ecosystem; incentive auctions and other recent spectrum policy initiatives; the FCC's net neutrality rules; the National Broadband Plan; the declining relevance of the traditional public switched telephone network; and the policy response to online video services and their potential to transform the way Americans watch television. Like its predecessor, this new edition of *Digital Crossroads* not only helps nonspecialists climb this field's formidable learning curve, but also makes substantive contributions to ongoing policy debates.

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Chinese Contract Law (2nd Ed) contains the latest developments of contract legislation, adjudication and practices in China and provides all information necessary to comprehend contemporary Chinese contract law.

[Accounting for Public Utilities](#)

[Principles of Public Utility Rates](#)

[Public Utilities Reports](#)

[Letters from the Chairman of the Federal Trade Commission](#)

[Transmitting, in Response to Senate Resolution No. 83, 70th](#)

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[Public Utilities](#)

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[Emergency Planning Guide for Utilities, Second Edition](#)

[Spot Pricing of Electricity](#)

[Theory and Practice](#)

[Old Problems, New Challenges](#)

An increase in major natural disasters—and the growing number of damaging events involving gas, electric, water, and other utilities—has led to heightened concerns about utility operations and public safety. Due to today's complex, compliance-based environment, utility managers and planners often find it difficult to plan for the action needed to help ensure organization-wide resilience and meet consumer expectations during these incidents. *Emergency Planning Guide for Utilities, Second Edition* offers a working guide that presents new

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and field-tested approaches to plan development, training, exercising, and emergency program management. The book will help utility planners, trainers, and responders—as well as their vendors and suppliers—to more effectively prepare for damaging events and improve the level of the utility's resilience. It also focuses on planning needed in the National Incident Management System and ICS environment that many utilities are embracing going forward. In doing so, utilities will be able to improve the customer experience while reducing the impact that damaging events have on the utility's infrastructure, people, and resources. Providing more than twice the content of the original edition, this new edition is the premier source on the

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selection, development, and provision of safe, high-quality, and cost-effective electric utility distribution systems, and it promises vast improvements in system reliability and layout by spanning every aspect of system planning including load forecasting, scheduling, performance, and economics. Responding to the evolving needs of electric utilities, Power Distribution Planning Reference Book presents an abundance of real-world examples, procedural and managerial issues, and engineering and analytical methodologies that are crucial to efficient and enhanced system performance. Offering hundreds of tips, templates, checklists, and pointers to information in the public domain, Business Resumption Planning, Second Edition assists you in

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creating a rock solid recovery plan for any size organization. It provides the information you need in order to coordinate first responders to meet any disaster scenario head on, whether involving computers, telecommunications, or infrastructure in a timely and effective manner. What's New in the Second Edition: · The latest techniques for conducting an efficient Business Impact Analysis and an accurate Failure Mode Effects Analysis (FMEA) · Advice on how to successfully recover from Ground Zero events, such as those involving Oklahoma City, the World Trade Center (WTC), and Hurricane Katrina · Tips for recovery teams and first responders, including how to maintain "4Ci" (Command, Control, Communications, Computers and intelligence)

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during a disaster · An examination of legal ramifications resulting from a failure to plan—including new liability issues that directly affect you · An explanation of how the recently enacted Sarbanes-Oxley Act of 2002 impacts your planning effort · Plans and templates that assess vulnerability in WANs, Open Networks, physical facilities, environmental, and enhanced services The book contains actual case studies and examples illustrating the vulnerabilities of today's mission critical systems. It details the proactive steps you should take now to first assess your exposure, then eliminate it. The book also includes a CD-ROM that contains worksheets, checklists, audit forms, work breakdown structures, and reports. The Regulation of public utilities provides a review and

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analysis of the development of economic regulation, emphasizing recent and future issues confronting the public utility sector.

Foreword by Lord Browne of Madingley
Reviews of the First Edition: 'The entire text is quite readable and can be moved through with relative ease. This reviewer heartily recommends that, regardless of your background, you read this book to really get a grasp of the cutting-edge of climate finance.'
LSE Review of Books
Renewable Energy Finance (Second Edition) describes in rich detail current best practices and evolving trends in clean energy investing. With contributions by some of the world's leading experts in energy finance, the book documents how investors are spending over \$300 billion each year

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on financing renewable energy and positioning themselves in a growing global investment market. This second edition documents, with practical examples, the ways in which investors have funded over \$2.6 trillion in solar, wind, and other renewable energy projects over the past decade. The book will be a go-to reference manual for understanding the factors that shape risk and return in renewable energy, the world's fastest growing industrial sector. The book is suitable for executives new to the field, as well as advanced business students. Edited by Dr Charles Donovan, Principal Teaching Fellow at Imperial College Business School and formerly Head of Structuring and Valuation for Global Power at BP, the book will give readers a unique insiders'

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perspective on how renewable energy deals actually get done.

Authoritative and comprehensive, this is the leading text and professional resource on using geographic information systems (GIS) to analyze and address public health problems. Basic GIS concepts and tools are explained, including ways to access and manage spatial databases. The book presents state-of-the-art methods for mapping and analyzing data on population, health events, risk factors, and health services, and for incorporating geographical knowledge into planning and policy. Numerous maps, diagrams, and real-world applications are featured. The companion Web page provides lab exercises with data that can be downloaded

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for individual or course use. New to This Edition*Incorporates major technological advances, such as Internet-based mapping systems and the rise of data from cell phones and other GPS-enabled devices.*Chapter on health disparities.*Expanded coverage of public participation GIS.*Companion Web page has all-new content.*Goes beyond the United States to encompass an international focus.

This completely updated second edition includes case studies and a focus on the business of system operations. The broad range of actions under system operations from transmission to distribution are explored. The underpinnings of electric systems operations are highlighted, with an introduction to

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utilities and power systems. It offers a thorough definition of system operations, identifying and explaining the various systems that support this function and how they integrate into the utility. The book presents a thorough definition of system operations, identifying and explaining the various systems that support this function and how they integrate into the utility. The business perspective on electric systems operation, and how critical this area is to a utility's ability to provide reliable power to customers is detailed. Readers discover how a utility's network operation is a key contributor to the viable sustainment of its business. The book presents the convergence of the systems used in the grid operations of today and addresses the emerging needs

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of the smart grid operations of tomorrow. Readers discover how a utility's network operation is a key contributor to the viable sustainment of its business, as well as learn how system operations help to ensure the right levels of safety, reliability and efficiency in everything that relates to transmission and distribution grid management.

[Principles of Finance, Accounting, and Management Controls](#)

[Handbook of Alternative Fuel Technologies, Second Edition](#)

[Financial Management for Water Utilities Utility Corporations](#)

[Water Utility Management](#)

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[A Treatise on the Law of Public Utilities](#)

[Public Utilities Fortnightly](#)

[Propaganda and the Ethics of Persuasion - Second Edition](#)

[The Municipal Year Book and Public Utilities Directory](#)

[GIS and Public Health, Second Edition](#)

[Business Resumption Planning, Second Edition](#)

The Canadian Environment in Political Context uses a non-technical approach to introduce environmental politics to undergraduate readers. First published in 2015, this revised edition features expanded chapters on wildlife, water, pollution, land, and energy. Beginning with a brief synopsis of

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environmental quality across Canada, this text moves on to examine political institutions and policymaking, the history of environmentalism in Canada, and other crucial issues including Indigenous peoples and the environment, as well as Canada's North. Enhanced with case studies at the end of each chapter, key words, and a comprehensive glossary, this text addresses the major environmental concerns and challenges that Canada faces in the twenty-first century. Professor McNabb has produced an excellent overview of the management challenges facing public utilities in the 21st century. His description of

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the evolution, changes, and challenges of different types of utilities is insightful. What makes this book uniquely valuable is his addressing the variety of utility management responsibilities including human resources, information services, and strategic planning in a single volume. I recommend it highly. Jeffrey Showman, Washington Utilities and Transportation Commission, US An introduction to the current issues and challenges facing managers and administrators in the investor and publicly owned utility industry, this engaging volume addresses management concerns in three sectors of the utility industry: electric power, natural gas, and

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water and wastewater systems. Beginning with a brief overview of the historical development of the industry, the author looks at policy issues and discusses management ethics. He then examines a number of the major challenges in these organizational functions: management and leadership, planning, marketing, accounting and finance, information technology, governance, and human resources. In the final section of the volume he looks at issues specific to each of the three industry sectors. Accessible and comprehensive, this thoughtful exploration of the various issues facing managers in public utilities in the new century

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will prove a useful overview for students of business and economics, utility staff, and directors of local utility governing boards.

In this thoroughly updated second edition of *Free Market Economics*, Steven Kates assesses economic principles based on classical economic theory before Keynesian theory became dominant in macroeconomics and equilibrium analysis became standard in microeconomics.

[Including Motor Vehicle Transportation](#)

[Second Edition](#)

[The Institutionalist Approach to Public Utilities](#)

[Regulation](#)

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[Microeconomic Theory second edition](#)

[The Japanese Experience](#)

[Handbook of Research on International Consumer Law, Second Edition](#)

[Annual Report of the Public Utilities Commission of Ohio ... to the Governor of the State of Ohio for the Year ...](#)

[Renewable Energy Finance: Funding The Future Of Energy \(Second Edition\)](#)