
Description:
Understand the electricity market, its policies and how they drive prices, emissions, and security, with this comprehensive cross-disciplinary book. Author Chris Harris includes technical and quantitative arguments so you can confidently construct pricing models based on the various fluctuations that occur. Whether you're a trader or an analyst, this book will enable you to make informed decisions about this volatile industry.

Contents:
Preface.
Acknowledgments.
Introduction.
1. The Basics.
1.1 How electricity works.
1.2 Early development of the Electricity Supply Industry (ESI).
1.3 The lifecycle of electric power.
1.4 Development, structure, coordination, legislation of the ESI.
1.5 New ownership structure.
1.6 Selected country examples.
2. Structure, Operation and Management of the Electricity Supply Chain.
2.1 Energy source.
2.2 Power generation.
2.3 High voltage transmission, network operation, system operation.
2.4 Distribution.
2.5 Metering.
2.6 Supply.
3.1 Agendas and policy formation.
3.2 Policy issues and drivers.
3.3 Policy outcomes and instruments.
3.4 Energy policies.
3.5 Framework.
3.6 Domestic institutional players.
3.7 The role and influence of international players.

4. Liberalisation, Deregulation and Regulation.
4.1 The liberalisation paradigm.
4.2 Steps.
4.3 Conditions for reform.
4.4 The role of the state.
4.5 Measures of liberalisation and deregulation.
4.6 Regulation.
4.7 Regulator.
4.8 Industry key performance indicators.

5.1 The basics of plant dispatch.
5.2 The centrally managed model.
5.3 The single buyer.
5.4 The pool model.
5.5 The bilateral model.
5.6 Imbalance and balancing.
5.7 Reserve contracts.
5.8 Wholesale markets.
5.9 Power exchanges.
5.10 Advanced pool markets.

6.1 The definition of capacity.
6.2 Requirements for capacity.
6.3 The basic economics of provision of capacity and reserve by generators.
6.4 Modelling the capability of generation capacity.
6.5 Modelling capacity capability from the consumer side.
6.6 Commercial mechanisms – the generator perspective.
6.7 Capacity provision – the supplier perspective.
6.8 Capacity provision – the network operator’s perspective.
6.9 The system operator’s perspective.
6.10 Capacity facilitation – contractual instruments.
6.11 Use of options to convey probability information.
6.12 Effect of price caps on capacity and prices.

7. Location.
7.1 Infrastructure costs to be recovered.
7.2 Counterparties for payment and receipt.
7.3 Basic charging elements for location related charging.
7.4 Models for designation of electrical location.
7.5 Nodal energy prices, virtual transmission and nodal market contracts.
7.6 The energy complex.
7.7 Environmental borders.

8.1 Environmental pressure.
8.2 Definitions.
8.3 The policy debate.
8.4 Regulation and incentive for restricting emissions and other impacts.
8.5 Other policy tools for environmental enhancement.
8.6 Fuel labelling and power content labelling.
8.7 The cost of environmental enhancement.
8.8 Valuation of environmental factors.
8.9 Corporate responsibility.
8.10 The environmental impact of consumption.

9.1 Price processes and distributions.
9.2 Volatility modelling.
9.3 Correlation modeling.
9.4 Pricing electricity derivatives.
9.5 Establishing fundamental relationships.
9.6 Market completeness.
9.7 Emission permit prices.
9.8 Network price volatility.

10. Economic Principles in Relation to the ESI.
10.1 Basic economic principles in the ESI context.
10.2 Optimal pricing by asset owners.
10.3 Regulated prices.
10.4 Taxes and subsidies.
10.5 Games, interaction and behaviour.
10.6 Environmental economics.
10.7 Market failure.
10.8 Shocks.
10.9 The political economics of liberalisation.

11.1 Power plant financial model.
11.2 The baseload contract.
11.3 The planned flexibility contract.
11.4 The vanilla option contract.
11.5 Extra flexibility.
11.6 Finance and hedging.
11.7 Accounting.

12.1 Supply chain.
12.2 Reserve margin.
12.3 The responsibility for security of supply.

Appendix.
A.1 Plant life usage.
A.2 Power plant failure and physical risk.
A.3 Reactive power.
A.4 Direct current load flow modeling.

References.
Index.

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2209268/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Web Address: http://www.researchandmarkets.com/reports/2209268/
Office Code: SCAV8FOU

Product Format
Please select the product format and quantity you require:

Quantity
Hard Copy (Hard Back): ☐ USD 136 + USD 28 Shipping/Handling

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World