1. Record Nr. UNINA9910782822303321 Autore Murray Barrie **Titolo** Power markets and economics [[electronic resource]]: energy costs, trading, emissions / / Barrie Murray Chichester, West Sussex, United Kingdom; ; Hoboken NJ, : Wiley, 2009 Pubbl/distr/stampa **ISBN** 1-282-34944-9 9786612349447 0-470-74301-8 Descrizione fisica 1 online resource (327 p.) Disciplina 333.793/23 333.79323 Soggetti Electric power Power resources Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Power Markets and Economics: Energy Costs, Trading, Emissions; Contents; Foreword; Preface; One Industry Infrastructure; 1 Approach to Restructuring; 1.1 INTRODUCTION; 1.2 INDUSTRY PHYSICAL STRUCTURE: 1.3 INTRODUCTION OF COMPETITION: 1.4 RESTRUCTURING OPTIONS; 1.5 COMPARISON OF STRUCTURES; 1.6 SUMMARY: 2 Market Mechanisms: 2.1 INTRODUCTION: 2.2 MARKET PARTICIPANTS; 2.3 MARKET MECHANISMS; 2.4 MARKET IMPLEMENTATION; 2.5 PRICE ANALYSIS; 2.6 SUMMARY; Two The Cost Chain; 3 Basic Generation Energy Costs; 3.1 INTRODUCTION; 3.2 COST COMPONENTS; 3.3 PRACTICAL OPERATING EFFICIENCIES 3.4 IMPACT OF UTILISATION ON COSTS 3.5 COMPARISON OF GENERATION COSTS; 3.6 INTERNATIONAL COMPARISONS; 3.7 SUMMARY; 4 Alternative Energy Sources; 4.1 INTRODUCTION; 4.2 COMPETING SOURCES: 4.3 CURRENT PRODUCTION EUROPE: 4.4 INCENTIVE SCHEMES; 4.5 MARKET PRICING; 4.6 THE ECONOMICS OF

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Sommario/riassunto

It is now almost twenty years since liberalisation and the introduction of competition was proposed for electricity utilities. Some form of restructuring has been widely adopted around the world to suit local objectives. The industry now faces new challenges associated with global warming, rising prices and escalating energy demand from developing countries like China and India. The industry will have to cope with; managing emissions; managing variable energy sources like wind, dev eloping clean coal technology; accommodating distributed generation and new nuclear stations and managing the imp