1. Record Nr. UNINA9910816351903321 Autore Murray Barrie **Titolo** Power markets and economics: 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 Edizione [1st ed.] 1 online resource (327 p.) Descrizione fisica 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

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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