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Nota di contenuto	Introduction Nikolai Mouraviev and Anastasia Koulouri -- Part One: Energy security: Trends and policy challenges -- Chapter 1:Energy security through the lens of renewable energy sources and resource efficiency -Nikolai Mouraviev and Anastasia Koulouri -- Chapter 2: Increasing utilisation of renewable energy sources: Comparative analysis of scenariosuntil 2050- Marat Karatayev -- Chapter 3: Enabling green energy production: Implementing policy by using public-private collaboration -Nikolai Mouraviev and Anastasia Koulouri -- Chapter 4: Challenges to energy security in Australia: The electricity sector governance and theneed for a change- Carl Tidemann --

Chapter 5: Ukraine's energy security in the new geopolitical context - Inna Kostyrska -- Part Two: Solutions for resource efficiency: Case studies -- Chapter 6: Resource efficiency in the EU: Major initiatives and challenges - Umut Turksen -- Chapter 7: The success of the south west of the UK in renewable energy generation: Benefits, challenges and the implications for other regions- Alison Ashby -- Chapter 8: Local government programmes for energy efficient solutions: Procurement options and governance challenges- Mihaela Grubiši Šeba -- Chapter 9: Renewable energy programme in Brazil: Biodiesel production by family farmers - Gaudencio Freires -- Conclusion: Renewable energy and resource efficiency: Lessons learned and outlook - Nikolai Mouraviev and Anastasia Koulouri.

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### Sommario/riassunto

This book discusses energy policy within the framework of the expansion of renewable energy sources (RES) and increasing resource use efficiency. In this book, the term 'resource efficiency' is defined as deriving the most value from resource inputs related to energy production, while incorporating energy efficiency. The authors highlight the drivers, policy approaches, governance issues and management problems related to the reduction of dependency on fossil fuels by focusing on RES and resource efficiency. Mouraviev and Koulouri argue that enhancing energy security requires a new approach, integrating two core components: the emphasis on increasing energy production from renewable sources and resource use efficiency, which forms a contrast to the traditional understanding of energy security as security of supply. Blending theory with practice using several case studies, this original book provides a novel conceptualisation of energy security that will be of interest and value to practitioners and policy makers as well as scholars and researchers.

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