

1. Record Nr.	UNINA9910465395503321
Autore	Wu Kang
Titolo	Energy economy in China [[electronic resource]] : policy imperatives, market dynamics, and regional developments // Kang Wu
Pubbl/distr/stampa	New Jersey, : World Scientific, 2013
ISBN	1-299-28109-5 981-4335-68-1
Descrizione fisica	1 online resource (287 p.)
Disciplina	333.790951
Soggetti	Power resources - China Energy policy - China Energy development - China Energy security - China Petroleum industry and trade - China Natural gas - China Electronic books.
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 (p. 259-264).
Nota di contenuto	Contents; Preface; Acknowledgments; About the Author; Chapter 1 Energy and the Economy; 1.1. Primary Energy Production and Consumption: An Overview; 1.1.1. Primary energy production; 1.1.2. Primary energy consumption; 1.1.3. PEP versus PEC: Widening gap; 1.2. Oil Demand, Supply, and Future Growth; 1.3. Gas Demand, Supply, and Future Growth; 1.4. Coal Demand, Supply, and Future Growth; 1.5. Hydropower, Nuclear Power, and Renewable Energy Resources; 1.5.1. The electric power sector in general; 1.5.2. Hydropower; 1.5.3. Nuclear power 1.5.4. Solar, wind, and other commercially viable renewable energy resources 1.6. Economic Development and Energy Intensity; 1.6.1. Economic development: Foundation for the future growth of oil demand; 1.6.2. Changing energy intensity; Chapter 2 Changing Structures of the Petroleum Industry and Energy Policies; 2.1. Institutional Changes in the Petroleum Industry; 2.1.1. The 1990's and before; 2.1.2. IPO and streamlining of state oil companies; 2.1.3.

China's entry into the WTO and the 2000's; 2.1.4. Latest changes since 2008; 2.2. Who's Who in the Petroleum Industry
2.3. China's Evolving Energy policies: An Overview Chapter 3 Upstream Oil and Gas Sector Developments; 3.1. An Overview of Upstream Oil Developments; 3.1.1. History of the upstream oil sector developments; Phase I: The Early Stage of China's Petroleum Industry (1949-1959); Phase II: Historical Moment: Discovery of the Daqing Oil Field (1960-1965); Phase III: A Giant Oil Producer in Asia (1966-1978); Phase IV: Fueling Two Decades of Economic Growth (1979-1999); Phase V: Quest for Energy Security in the 21st Century (Since 2000); 3.1.2. Production by Company and field
3.1.3. Future prospects of oil production in China till 2030
3.2. Natural Gas Exploration and Production; 3.2.1. Overall development and production; 3.2.2. Production by company and field; 3.2.3. Future prospects for gas production till 2030; 3.3. Unconventional Gas Developments; 3.3.1. Resources and production; CBM; Shale gas; 3.3.2. Policy issues and challenges; 3.3.3. Future growth; CBM; Shale gas; CBM and shale gas combined; Chapter 4 China's Downstream Refining Industry: Current Situation and Future Prospects; 4.1. Historical Developments; 4.2. Refining Capacity Capability and Players
4.2.1. Major players 4.2.2. Role of locally owned refineries; Sinopec and local refineries; CNPC/PetroChina and local refineries; CNOOC and local refineries; 4.3. Processing Configurations; 4.3.1. Unique characteristics of refining configurations; 4.3.2. Handling of sour crudes; 4.4. Refining Throughput and Utilization Rates; 4.5. Outlook for Capacity Additions and Crude Runs; Chapter 5 Oil Market Dynamics and Outlook for Demand, Supply, and Trade; 5.1. China's Oil Market Dynamics; 5.1.1. Wholesale and retail trading of oil products; 5.1.2. China's opening-up of wholesale and retail markets
5.1.3. Oil trade: Rules and Regulations

Sommario/riassunto

The key subjects of the book are policy imperatives, market dynamics and regional developments concerning oil and gas, as well as energy as a whole in China. In addition to national policies and issues, the objective of this book is to study China's regional oil and gas demand, supply and trade, energy balances, and economic development, with projections up till 2030. Particular emphasis will be given to challenges facing the Chinese government in ensuring future oil supplies, pipeline and liquefied natural gas (LNG) imports, energy security, downstream oil refining sector developments,
