

Contents

<i>List of figures</i>	<i>page</i> vii
<i>List of tables</i>	xiii
<i>List of boxes</i>	xvii
<i>List of contributors</i>	xviii
<i>Acknowledgements</i>	xix
Part I Introduction	1
1 The Asia-centric coal era	
MARK C. THURBER AND RICHARD K. MORSE	3
Part II Case studies of key coal countries	35
2 The evolution of China’s coal institutions	
WUYUAN PENG	37
3 Developing large coal-power bases in China	
HUAICHUAN RUI, RICHARD K. MORSE, AND GANG HE	73
4 The causes and implications of India’s coal production shortfall	
JEREMY CARL	123
5 Market, investment, and policy challenges for South African coal	
ANTON EBERHARD	164
6 Australia’s black coal industry: past achievements and future challenges	
BART LUCARELLI	204
7 Government as creator and destroyer: Indonesia’s rapid rise and possible decline as steam coal supplier to Asia	
BART LUCARELLI	294
	v

vi	<i>Contents</i>	
Part III	Understanding the international coal trade	375
8	US coal to Asia: examining the role of transportation constraints in energy markets MARK C. THURBER	377
9	The world’s greatest coal arbitrage: China’s coal import behavior RICHARD K. MORSE AND GANG HE	394
10	The COALMOD-World model: coal markets until 2030 FRANZISKA HOLZ, CLEMENS HAFTENDORN, ROMAN MENDELEVITCH, AND CHRISTIAN VON HIRSCHHAUSEN	411
Part IV	The potential of technology to reconcile coal and climate	473
11	New technologies to the rescue? A review of three game-changing coal technologies and their implications for Australia’s black coal industry BART LUCARELLI	475
12	The real drivers of carbon capture and storage in China RICHARD K. MORSE, VARUN RAI, AND GANG HE	557
Part V	Conclusions and implications	583
13	Major factors affecting the production, trade, and environmental impact of coal MARK C. THURBER AND RICHARD K. MORSE	585
Part VI	Detailed information on the coal value chain in China	609
	Appendix: A statistical review of coal supply, demand, and transport in China KEVIN JIANJUN TU	611
	<i>Index</i>	686