

# THE ROUTLEDGE HANDBOOK OF ENERGY SECURITY

*Edited by Benjamin K. Sovacool*



LONDON AND NEW YORK

# CONTENTS

<i>List of illustrations</i>	vii
<i>Notes on contributors</i>	xii
Introduction: Defining, measuring, and exploring energy security <i>Benjamin K. Sovacool</i>	1
1 Energy security and climate change: A tenuous link <i>Gal Luft, Anne Korin, and Eshita Gupta</i>	43
2 The fuzzy nature of energy security <i>Scott Victor Valentine</i>	56
3 Evaluating the energy security impacts of energy policies <i>David F. von Hippel, Tatsujiro Suzuki, James H. Williams, Timothy Savage, and Peter Hayes</i>	74
4 The sustainable development dimension of energy security <i>Asclepias R. S. Indriyanto, Dwi Ari Fauzi, and Alfa Firdaus</i>	96
5 The maritime dimension of energy security <i>Carolin Liss</i>	113
6 The public policy dimension of energy security <i>Andreas Goldthau</i>	129
7 The diversification dimension of energy security <i>Andy Stirling</i>	146
8 The environmental dimension of energy security <i>Marilyn A. Brown and Michael Dworkin</i>	176

9	The energy poverty dimension of energy security <i>Shonali Pachauri</i>	191
10	The social development dimension of energy security <i>Anthony D'Agostino</i>	205
11	The energy efficiency dimension of energy security <i>Nathalie Trudeau and Peter G. Taylor</i>	218
12	The energy services dimension of energy security <i>Jaap C. Jansen and Adriaan J. Van der Welle</i>	239
13	The industrial dimension of energy security <i>Geoffrey K. Pakiam</i>	250
14	The competing dimensions of energy security <i>Martin J. Pasqualetti</i>	275
15	Indicators for energy security <i>Bert Kruyt, Detlef van Vuuren, Bert J. M. de Vries, and Heleen Groenenberg</i>	291
16	Measuring security of energy supply with two diversity indexes <i>John Kessels</i>	313
17	Measuring energy security: From universal indicators to contextualized frameworks <i>Aleh Cherp and Jessica Jewell</i>	330
18	Applying the four 'A's of energy security as criteria in an energy security ranking method <i>Larry Hughes and Darren Shupe</i>	356
19	Measuring energy security performance in the OECD <i>Benjamin K. Sovacool and Marilyn A. Brown</i>	381
20	Measuring energy security vulnerability <i>Edgard Gnansounou</i>	396
	Conclusion: Exploring the contested and convergent nature of energy security <i>Benjamin K. Sovacool and Tai Wei Lim</i>	414
	<i>Index</i>	428