

Contents

Part I Ecological Economics: Alternative Perspectives

1	The Life Required. Political Economy in the Long Emergency	3
	David W. Orr	
2	How Economics Can Become Compatible with Democracy	25
	Peter Söderbaum	
3	Gaps in Mainstream Economics: Energy, Growth, and Sustainability.....	39
	Robert U. Ayres	
4	A Further Critique of Growth Economics.....	55
	Herman Daly	
5	Multidimensional Assessment of Sustainability: Harmony vs. the Turning Point	67
	Stanislav Shmelev	
6	System of Accounts for Global Entropy-Production (SAGE-P): The Accounting in the Topological Domain Space (TDS) of the Econosphere, Sociosphere, and the Ecosphere	99
	Anthony Friend	

Part II Ecological Economics of Physical Balance: Resources, Climate Change, and Renewable Energy

7	The Green Economy in Europe: In Search for a Successful Transition.....	141
	Stefan Speck and Roberto Zoboli	
8	Measuring Natural Resource Use from the Micro to the Macro Level	161
	Stefan Giljum, Stephan Lutter, and Martin Bruckner	

9	Regenerative Cities	183
	Herbert Girardet	
10	Multidimensional Sustainability Assessment for Megacities	205
	Stanislav Shmelev	
11	The Economics of Avoiding Dangerous Climate Change	237
	Terry Barker	
12	A Precautionary Strategy to Avoid Dangerous Climate Change is Affordable: 12 Reasons	265
	Jeroen C.J.M. van den Bergh	
13	Renewable Energy in the UK: A Slow Transition	291
	David Elliott	
 Part III Ecological Economics of Social Change		
14	Social Metabolism and Ecological Distribution Conflicts in India and Latin America	311
	Joan Martinez-Alier, Leah Temper, Mariana Walter, and Federico Demaria	
15	Human Values and Sustainable Development	333
	Irina A. Shmeleva	
16	Building a Sustainable and Desirable Economy-in-Society-in-Nature	367
	Robert Costanza, Gar Alperovitz, Herman Daly, Joshua Farley, Carol Franco, Tim Jackson, Ida Kubiszewski, Juliet Schor, and Peter Victor	
	Index	455