

CONTENTS

Prefatory Biography	
Frontispiece—Robert W. Kates	xiv
Queries on the Human Use of the Earth, Robert W. Kates	1
Frontispiece—Harvey Brooks	28
Autonomous Science and Socially Responsive Science: A Search for Resolution, <i>Harvey Brooks</i>	29
Energy End-Use and Conversion	
Indicators of Energy Use and Carbon Emissions: Explaining the Energy Economy Link, Lee Schipper, Fridtjof Unander, Scott Murtishaw, and Mike Ting	49
Energy Conservation in Chinese Residential Buildings: Progress and Opportunities in Design and Policy, Leon R. Glicksman, Leslie K. Norford, and Lara V. Greden	83
Policy Modeling for Energy Efficiency Improvement in US Industry, Ernst Worrell, Lynn Price, and Michael Ruth	117
RESOURCES AND TECHNOLOGIES	
Storage of Fossil Fuel-Derived Carbon Dioxide Beneath the Surface of the Earth, Sam Holloway	145
Historical and Future Trends in Aircraft Performance, Cost, and Emissions, Joosung J. Lee, Stephen P. Lukachko, Ian A. Waitz, and Andreas Schafer	167
RISKS AND IMPACTS	
Interim Storage of Spent Fuel in the United States, Allison Macfarlane	201
Protecting Agricultural Crops from the Effects of Tropospheric Ozone Exposure: Reconciling Science and Standard Setting in the United States, Europe, and Asia, <i>Denise L. Mauzerall and Xiaoping Wang</i>	237
Human Exposure to Volatile Organic Pollutants: Implications for Indoor Air Studies, Lance A. Wallace	269

ix

CONTENTS Carbon Dioxide Emissions from the Global Cement Industry, Ernst Worrell, Lynn Price, Nathan Martin, Chris Hendriks, and Leticia Ozawa Meida 303 **ECONOMICS** Global Electric Power Reform, Privatization, and Liberalization of the Electric Power Industry in Developing Countries, R. W. Bacon and J. Besant-Jones 331 **POLICY** Federal Fossil Fuel Subsidies and Greenhouse Gas Emissions: A Case Study of Increasing Transparency for Fiscal Policy, Doug Koplow and John Dernbach 361 The PCAST Energy Studies: Toward a National Consensus on Energy Research, Development, Demonstration, and Deployment Policy, John P. Holdren and Samuel F. Baldwin 391 ENVIRONMENTAL SCIENCE Carbon Sinks in Temperate Forests, Philippe H. Martin, Gert-Jan Nabuurs, Marc Aubinet, Timo Karjalainen, Edward L. Vine, John Kinsman, and Linda S. Heath 435 INDEXES Subject Index 467 Cumulative Index of Contributing Authors, Volumes 1–26 491 Cumulative Index of Chapter Titles, Volumes 1-26 497 Errata

An online log of corrections to Annual Review of Energy and the Environment chapters (if any, 1997 to the present) may be

found at http://energy.AnnualReviews.org