

Heat, Power and Light

Revolutions in Energy Services

Roger Fouquet

Senior Lecturer, School of Economics, University of the South Pacific, Fiji and Honorary Research Fellow, Centre for Energy Policy and Technology, Imperial College London, UK

Edward Elgar

Cheltenham, UK • Northampton, MA, USA

Contents

<i>Preface</i>	vii
PART ONE: INTRODUCTION	
1. The Past, Present and Future of Energy Services	3
2. Energy Demand, Technological Change and Economic Development	11
3. Historical Data and Methods	28
PART TWO: THE PAST	
4. Heating	45
5. Stationary Power	100
6. Transport	139
7. Lighting	191
PART THREE: ANALYSIS	
8. Producing Cheaper Services	219
9. Consuming More Services	260
10. External Costs of Cheaper and More Energy Services	301
11. Policies Influencing the Trends in Energy Services	332
PART FOUR: THE FUTURE	
12. Future Trends in Energy Services	349
13. Policy Discussion Related to Long-Run Energy Services	364
14. Conclusion	376
<i>Data Appendix</i>	389
<i>References</i>	439
<i>Authors' Index</i>	459
<i>Subject Index</i>	465