

Contents

<i>List of Figures</i>	<i>page viii</i>
<i>List of Tables</i>	<i>ix</i>
<i>Preface</i>	<i>xi</i>
<i>Acknowledgments</i>	<i>xvi</i>
<b>1 Introduction</b>	<b>1</b>
1.1 Meeting the Anthropocene	4
1.2 Only Capitalism Can Save Humankind from Itself	5
1.3 Fixing Capitalism: Taxing Bads	8
1.4 Fixing Capitalism: Generating Environmental Knowledge	12
1.5 Fixing Capitalism: Looking Before Leaping	15
1.6 How Does Capitalism Save Us?	17
1.7 Socialism Is Not the Answer	20
<b>2 How Capitalism Saves the Environment</b>	<b>28</b>
2.1 A Very Brief History of Capitalism	28
2.2 Capitalism and the Environment	35
2.3 Are Capitalists Willing to Reform?	37
2.4 The Features of Capitalism	41
2.5 State Capitalism Is Inferior	44
2.6 Choosing Capitalism to Save the Environment: Prices as Information	46
2.7 Choosing Capitalism to Save the Environment: Innovation	49
2.8 Choosing Capitalism to Save the Environment: Large-Scale Deployment	50
2.9 Choose Capitalism	51

<b>3</b>	<b>Capital Investments Create Their Own Political Economy</b>	<b>56</b>
3.1	The GDP Obsession	59
3.2	Rigidity and Path-Dependency in Capital Investment	62
3.3	A Simple Model	63
3.4	Whither, Flexibility?	67
3.5	A Head Start for Fossil Fuel Investment	68
3.6	A Slow Start for Renewable Energy Investment	71
3.7	An Even Slower Start for the Earth Sciences	73
3.8	Deepwater Horizon	75
3.9	A Thought Experiment	76
<b>4</b>	<b>Bloated Capital</b>	
	<i>How Capitalism Went Awry</i>	<b>82</b>
4.1	Electric Utility Regulation	84
4.2	Farms	88
4.3	Capital Intensity	93
4.4	Environmental Damages	96
4.5	Capital Expenditures, Environmental Damages, and Value Added	99
<b>5</b>	<b>The Case for Environmental Taxation</b>	<b>108</b>
5.1	A Short Primer	109
5.2	Additional Benefits of Environmental Taxation	113
5.3	The Sulfur Dioxide Emissions “Cap-and-Trade” Program	117
5.4	Sweden’s Carbon Tax	119
5.5	Why People Hate Environmental Taxes	123
5.6	Rallying Behind Environmental Taxation	127
5.7	A Public Choice Problem	129
<b>6</b>	<b>What Should Be Taxed?</b>	<b>135</b>
6.1	Carbon Dioxide Emissions	136
6.2	Ruminants	143
6.3	Water Consumption	146
6.4	Nutrient Water Pollution	154
6.5	Fine Particulate Matter Pollution	162
<b>7</b>	<b>Generating Environmental Knowledge</b>	<b>173</b>
7.1	Environmental Knowledge versus Industrial Knowledge	175
7.2	A Green New Deal for Knowledge	178
7.3	Climate Modeling	180
7.4	Biological Diversity	181

<i>Contents</i>		<i>vii</i>
7.5	The Amazon Rainforest	183
7.6	The Economics of the Environment	184
7.7	Climate Engineering, Prizes, and International Laboratories	187
7.8	A New Capital Political Economy	194
8	<b>Looking Before Leaping</b>	199
8.1	Repealing Energy Subsidies	201
8.2	Accelerated Cost Recovery Reform	203
8.3	Improving the National Environmental Policy Act	209
8.4	Toxic Substance Regulation Reform	216
9	<b>Conclusion</b>	225
9.1	Minimalist, Capitalist Environmental Governance	227
9.2	Why Environmental Governance Must Be Minimalist	230
9.3	Why Environmental Governance Must Be Capitalist	232
9.4	Global Environmental Capitalism	234
9.5	Dislocation	235
9.6	Capitalism Renewed	238
	<i>Index</i>	244