

Contents

Author Biographies	ix
Introduction	xiii
Chapter 1: Why Environmental Zero-Sum Games Are Real, by J.B. Ruhl and James Salzman	1
I. Managing Zero-Sum Conflicts	4
II. Persuasion and Its Demons.....	6
III. Conclusion.....	9
Chapter 2: Zero-Sum Games in Pollution Control: Ecological Thresholds, Planetary Boundaries, and Policy Choices, by Robin Kundis Craig.....	11
I. Introduction.....	11
II. Pollution, Ecological Thresholds, and Planetary Boundaries.....	16
III. Pollution and Policy Choices to Create Regulatory Zero-Sum Games	23
IV. Climate Change and Zero-Sum Pollution Control Games.....	28
Chapter 3: Energy Policy: No Place for Zero-Sum Thinking, by Inara Scott.....	33
I. The Fallacy of the Zero-Sum Game.....	36
A. Zero-Sum Arguments Assume Fixed Data Points	36
B. Zero-Sum Games Reflect Ideological Framing.....	38
C. Zero-Sum Framing Turns the Environment Into an Enemy	41
II. Avoiding Zero-Sum Games in Energy Policy	44
A. Focus on the Big-Picture Goals, Not the Zero-Sum Game.....	44
B. Consider Intersectionality of Energy, Justice, Climate, Race, and Economics.....	49

C. Reject Standard Characterizations of Villains and Heroes	53	
III. Conclusion.....	55	
Chapter 4: The Energy Justice Stakes Embedded in the Net Energy Metering Policy Debates, by Shalanda H. Baker..... 57		
I. Introduction.....	57	
II. The NEM Policy Battlefield	62	
A. What Is NEM?	63	
B. NEM Debate: A Zero-Sum Formulation.....	66	
C. Analytical Approaches	66	
III. The Stakes of NEM.....	70	
A. Power System Transformation	70	
B. Masking Energy Inequities.....	77	
C. Reifying Energy Inequities	81	
IV. Toward a New Framing	82	
A. Principles of Energy Justice.....	83	
B. Operationalizing Equity in the Cost of Solar Analysis.....	86	
C. Designing Successor NEM Regimes	87	
V. Conclusion.....	88	
Chapter 5: Gaming Rhetoric and the Complicated Story of Local Identity, by Jonathan Rosenbloom and Keith Hirokawa..... 91		
I. Introduction.....	91	
II. The Language of Local Land Use	95	
A. Communication in Local Planning	95	
B. Gaming the Zoning Code.....	97	
1. Nonzero-Sum Gaming.....	97	
2. Sense of Place and the Insider's View	100	
III. The Next Dialogue: Local Governance and Ecosystem Services	102	
IV. Conclusion.....	108	
Chapter 6: Deep Equity, Nonzero-Sum Environmentalism, and a Sustainable Planet, by David Takacs		111

I.	Research Areas at the Forefront of Nonzero-Sum Environmentalism	113
A.	Biodiversity Offsetting	113
B.	REDD+	114
C.	South Africa and Water as Ecological Infrastructure	115
II.	Currencies.....	116
A.	Winners and Losers	118
III.	Who <i>Should</i> Lose?	120
A.	CBDR	120
B.	Preventative and Polluter-Pays Principles.....	121
C.	Intergenerational and Intragenerational Equity.....	123
D.	How the Research Areas Reflect These Principles ...	123
IV.	Nonzero-Sum Common Ground on Conservation Priorities	125
V.	Sustainability and Deep Equity.....	129
VI.	Conclusion.....	130

Chapter 7: Public Lands and the Public Good: The Limitations of Zero-Sum Frames, by Sarah Krakoff.....	133	
I.	Introduction.....	133
II.	Creating the “Public” in the Era of Public Lands Conservation.....	137
A.	The Antiquities Act: Eliminating Indigenous Presence While Saving the Indigenous Past.....	139
B.	The Dark Side of Conservation: Eugenics, White Supremacy, and Indian Elimination.....	146
1.	National Parks	148
2.	Yellowstone National Park and Blackfeet, Crow, Shoshone, and Bannock Indians	149
3.	Grand Canyon National Park and Havasupai Indians.....	152
C.	Tribal Self-Determination and the Dark Side of Conservation’s Persistent Legacy.....	155
III.	Expanding the Public: Bears Ears National Monument ...	157

IV.	If Tribes Win, We Lose: Politics in Southern Utah.....	164
V.	Conclusion.....	169
Chapter 8: Successful Land Conservation: Neither Zero-Sum Nor Win-Win, by Jessica Owley..... 173		
I.	Introduction.....	173
II.	Meanings of Zero-Sum	174
A.	Game Theory.....	174
B.	Zero-Sum Rhetoric	175
C.	Zero-Sum Land Conservation	176
D.	Zero-Sum Trumpism	178
III.	From Zero-Sum to Win-Win	180
IV.	Some Alternative Approaches: Examples From Land Conservation.....	183
A.	Sustainable Development	183
B.	Payments for Ecosystem Services.....	184
C.	Management Plans and Certification Schemes	186
D.	Conservation Easements.....	188
V.	Conclusion.....	190
Chapter 9: Competitive Federalism: Environmental Governance as a Zero-Sum Game, by Shannon Roesler..... 193		
I.	From Cooperative to Competitive Federalism	194
II.	Is Zero-Sum Governance Grounded in the Constitution or Federalism Values?	197
A.	Federalism: Legal Doctrine.....	197
1.	State Challenges to the Clean Power Plan	198
2.	State Challenges to the WOTUS Rule.....	199
B.	Federalism Values.....	203
III.	State Motivations	206
A.	A Response to Burdens on State Institutions?	206
1.	Costs of the Clean Power Plan	206
2.	Costs of the WOTUS Rule.....	207
B.	Zero-Sum Governance: The Polarization of Politics and Influence of Organized Interests	209

IV. The Consequences for Public Welfare and Democracy...	215
V. Conclusion.....	217
Chapter 10: Zero-Sum Climate and Energy Politics Under the Trump Administration, by Melissa Powers.....	219
I. Introduction.....	219
II. The Trump Administration's Zero-Sum Energy and Climate Agenda	223
A. The Trump Administration's Actions on Climate and Energy	224
1. Repudiation of International Climate Agreements	224
2. Regulatory Repeals.....	225
a. The Clean Power Plan Repeal.....	225
b. Vehicle Emissions and Fuel Economy Standards	226
c. Rollbacks of Regulations Governing Fossil Fuel Development.....	228
3. Fossil Fuel Development and Market Disruptions	229
B. The Zero-sumness of the Trump Administration's Climate and Energy Policies	231
III. The Consequences of the Trump Zero-Sum Climate and Energy Agenda.....	235
A. Lost Opportunities to Mitigate Climate Change....	236
B. Impacts on Markets and Policy.....	238
1. Investment and Deployment	238
2. Extended Infrastructure and Emissions Lock-In	241
3. Regulatory Stickiness.....	242
C. Political Consequences	244
IV. An Energy Transition Strategy With More Winners and Fewer Losers	246
V. Conclusion.....	251
Index	253