

# CONTENTS

List of Figures vii

List of Tables ix

1. Introduction: The State of Suburban Sustainability in the United States 1

*Robert Brinkmann and Sandra J. Garren*

## **PART I. SUSTAINABILITY PLANNING IN THE SUBURBS**

2. Sustainability Assessment of the New York Metropolitan Area: Is New York City More Sustainable Than Its Surrounding Suburbs? 25

*Sandra J. Garren*

3. Sustainability through Suburban Growth? Regional Planning and Targeted Change in the Pacific Northwest 49

*Yonn Dierwechter*

4. Linking Smart Growth Policies and Natural Disasters: A Study of Local Governments in Florida 67

*Vaswati Chatterjee, Simon A. Andrew, and Richard C. Feiock*

5. Can Transportation Be Sustainable in the Suburbs? A Case Study of Complete Streets on Long Island, New York 89

*Sandra J. Garren, Mathew K. Huxel, and Carolina A. Urrea*

## **PART II. SOCIOECONOMIC SUSTAINABLE DEVELOPMENT IN THE SUBURBS**

6. Who Defines Sustainability? Urban Infill in Colorado Springs, Colorado 117

*John Harner*

7. Diversity Improves Design: Sustainable Place-Making in a Suburban Tampa Bay Brownfield Neighborhood 131

*E. Christian Wells, Gabrielle R. Lehigh, Sarah Combs, and Miles Ballogg*

8. Sustainable Economic Development: The Maker Movement in Macon, Georgia 150

*Susan M. Opp*

### **PART III. FOCUS ON ATMOSPHERIC SUSTAINABILITY IN THE SUBURBS**

9. Ozone in Urban North Carolina: A Sustainability Case Study 167  
*William H. Battye, Casey D. Bray, Pornpan Uttamang, and Viney P. Aneja*
10. Skewed Sustainability and Environmental Injustice across Metropolitan St. Louis, Missouri 185  
*Troy D. Abel, Stacy Clauson, and Debra Salazar*
11. Suburban Sustainability Governance in the Los Angeles Region, California 201  
*Elizabeth Mattiuzzi*
12. The Application of Land Use Regression and the National Land Cover Dataset in Modeling of Ozone Mixing Ratios in Baton Rouge, Louisiana 218  
*Mallory Thomas*

### **PART IV. SUSTAINABLE LAND AND WATER MANAGEMENT IN THE SUBURBS**

13. Leading through Water: Defining Sustainability through Leadership, Experience, and Engagement in the Pittsburgh Metropolitan Region, Pennsylvania 241  
*Michael H. Finewood and Sean McGreevey*
14. Managing Wildlife amid Development: A Case Study of Sustaining Mountain Lion Populations in California 255  
*Melissa M. Grigione, Michaela C. Peterson, Ronald Sarno, and Mike Johnson*
15. Suburban Unsustainability or the Burden of Fixed Infrastructure in New Orleans, Louisiana 273  
*Craig E. Colten*
16. Suburban to Urban Hydro-Economic Connectivity: Virtual Water Flow Within the Phoenix Metropolitan Area, Arizona 290  
*Richard R. Rushforth and Benjamin L. Ruddell*
17. Conclusions: Suburban Sustainability Themes and Ongoing Challenges 306  
*Robert Brinkmann and Sandra J. Garren*

List of Contributors 319

Index 327