

Sustainable Urbanism: Urban Design with Nature

Douglas Farr

HOCHSCHULE
LIECHTENSTEIN
Bibhothek

1 BO 7
©WILEY
2007

John Wiley & Sons, Inc.

Contents

- 8 Foreword by Andre's Duany
- 10 Preface
- 12 How to use this book
- 14 Acknowledgments

Part One

The Case for Sustainable Urbanism

- 18 Chapter i: The Built Environment Where We Are Today
- 19 The American Lifestyle on the Wrong Course
- 28 Pioneering Reforms: Setting the Stage for Sustainable Urbanism

- 40 Chapter z: Sustainable Urbanism: Where We Need to Go .
- 41 Sustainable Urbanism: The Grand Unification
- 53 The Three Steps of Sustainable Urbanism

Part Two

Implementing Sustainable Urbanism

- 66 Chapter -*: Leadership and Communications
- 67 Leadership Talking Points for Sustainable Urbanism —*Jim Hackler and Irina Woelfle*
- 69 The Power of Paired Choices
- 72 Implementation Agendas for Leaders

- 74 Chapter 4: The Process and Tools for Implementing Sustainable Urbanism
- 75 RFQ for Sustainable Urbanist Professionals
- 77 Benchmarking Municipal Sustainability: The Santa Monica Sustainable City Plan —
City of Santa Monica
- 79 Documenting Community Preference in Form and Sustainability:
Image Preference Survey (IPS) — *Christina Anderson*
- 81 Conducting a Charrette-6/7/ *Lennertz*
- 84 Shaping Sustainable Neighborhoods with the Toledo Smart Neighborhood
Analysis Protocol (SNAP)—*Carolee Kokola*
- 86 A Sustainable Urbanist Neighborhood Plan: Toledo SHAP—*Carotee Kokola*
- 86 Regulating Plan and Form-Based Code—*Christina Anderson*
- 92 Incorporating Sustainability through Codes, Covenants, and Restrictions
(CCaRs)- *Dan Slone*
- 95 RFP for a Sustainable Urbanist Developer—*City of Victoria, British Columbia*

Part Three

Emerging Thresholds of Sustainable Urbanism

- 102 Ch.; -ising Sustainability Through Density
- 103 Explain intensity
- 104 Illustrating Density
- 106 The Transect of the Everyday
- 108 Waiter and the Density Debate —*Lynn Richards*
- in Transit Supportive Densities

- 112 Chapter 6: Sustainable Corridors
- 113 The Sustainable Corridor -*Doug Farr, Leslie Oberholtzer, and Christian Schalier*
- 114 The Integration of Transportation, Land Use, and Technology-*Sbetfey Poticha*
- 120 Biodiversity Corridors- *Rebecca L Kihstinger, Jessica Wilkinson, and James McEilfish*

- 124 Chapter 7: Sustainable Neighborhoods
- 125 Neighborhood Diagrams
- 127 Neighborhood Definition — *Victor Dover and Jason King*
- 132 Neighborhood Completeness—*Eliot Allen and Doug Farr*
- 134 Neighborhood Housing—*Laurie Volk and Todd Zimmerman*
- 137 Car-Free Housing
- 139 Neighborhood Retail—*Robert). Gibbs*
- 144 Economic Benefits of Locally Owned Stores—*Matt Cunningham*

Vlf	Third Places
148	Healthy Neighborhoods— <i>Melanie Simmons, Kathy Baughman McLeod, and Jason Might</i>
151	Walkable Streets and Networks— <i>Dan Burden</i>
154	Complete Streets— <i>Fred Dock</i>
157	Universal Basic Home Access— <i>Eleanor Smith</i>
160	Managing Travel Demand— <i>Jeffery Tumin</i>
166	Car Sharing— <i>Jeffery Timlin</i>
168	Open Space— <i>Carolee Kokola</i>
172	Public Darkness— <i>Nancy Clanton and Totid Givler</i>
175	Stormwater Systems— <i>Jim Patchett and Tom Price</i>
179	Food Production— <i>Lynn Peemoeller and Jim Slama, with Cathy Morgan</i>
182	Outdoor Wastewater Treatment— <i>Thomas E. Ennis</i>
185	Indoor Wastewater Treatment— <i>John Todd Ecological Design</i>
188	
189	The Impact of Planning on Building Energy Usage— <i>Alan Chalifoux</i>
193	2030 "Challenge"— <i>Ed Mazria</i>
195	High-Performance Infrastructure— <i>Hillary Brown</i>
199	Large District Energy Systems— <i>Doug Newman and Robert Thornton, John Kelly, and Adam Lund</i>
204	The 2030 Community Challenge: Economic Growth with Sustainable Urbanism

\$

Part Four

Case Studies in Sustainable Urbanism

OT lessons learned from Sustainable Urbanism

Built Infill

214	BedZED: London, England
218	Glenwood Park: Atlanta, Georgia, United States
222	Holiday Neighborhood; Boulder, Colorado, United States
226	Christie Walk: Adelaide, Australia
230	Newington: Sydney, Australia
234	High Point: Seattle, Washington, United States

Built Greenfield

238	Upton: Northampton, England
242	Kronsberg: Hannover, Germany
246	Lore to Bay: Baja California Sur, Mexico
250	Civanor Tucson, Arizona, United States
254	Poundbury: Dorchester, England

257	Unbuilt Infill of the At! In Ihiliuili Sustainable Urbanism
-----	---

Unbuilt Infill

258	Dockside Green: Victoria, Canada
262	Lloyd Crossing: Portland, Oregon, United States
266	Z-Squared: London, England
270	New Railroad Square: Santa Rosa, California, United States
274	Uptown Normal: Normal, Illinois, United States

➤ *Unbuilt Greenfield*

278	Dongtan: Shanghai, China
282	Galisteo Basin Preserve: Santa Fe, New Mexico, United States
286	Pulelehua: Maui, Hawaii, United States
290	Coyote Valley: San Jose, California, United States
294	Scales of Intervention

296	Epilogue
297	Glossary
301	Index