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Disciplina	363.7
Soggetti	City planning - Environmental aspects Regional planning - Environmental aspects Community development, Urban - Environmental aspects Sustainable urban development Sustainable development Sustainable engineering Sustainable architecture Green technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Introduction / Woodrow W. Clark, II -- 2. The green industrial revolution / Woodrow W. Clark, II -- 3. Cross-disciplinary scientific foundation for sustainability : qualitative economics / Michael Fast, Woodrow W. Clark, II -- 4. Political-economic governance of renewable energy systems : the key to create sustainable communities / Woodrow W. Clark, II, Xing Li -- 5. Renewable energy : scaling deployment in the united states and in developing economies / Joseph Kantenbacher, Rebekah Shirley -- 6. Development partnership of renewable energies technology and smart grid in China / Anjun J. Jin, Wenbo Peng -- 7. Sustainable towns : the case of Frederikshavn aiming at 100%

renewable energy / Henrik Lund, Poul A. Ostergaard -- 8. Life cycle analysis versus cost benefit of renewable energy : solar systems photovoltaics in public private partnerships / Tom Pastore -- 9. Public buildings and institutions : solar power and energy conservation as solutions / Douglas N. Yeoman -- 10. Life cycle analysis : the economic analysis of demand-side programs and projects in California / Woodrow W. Clark, II, Arnie Sowell, Don Schultz -- 11. The next economics : civic-social capitalism / Woodrow W. Clark, II -- 12. Urban circular economy: the new frontier for European cities' sustainable development / Danilo Bonato, Raimondo Orsini -- 13. Big heart intelligence in healthy workplaces and sustainable communities / Julian Gresser -- 14. The European Union : Nordic countries and Germany / Tor Zipkin -- 15. Mauritius Island Nation : 100% renewable energy system by 2050 / A. Khoodaruth [and three others] -- 16. Urban sustainability and industrial migration : the green transition of Hefei, China / Benjamin Leffel -- 17. Energy economics in China's policy-making plan : from self-reliance and market dependence to green energy independence / Xing Li, Woodrow W. Clark, II -- 18. Energy strategy for Inner Mongolia autonomous region / Woodrow W. Clark, II, William Isherwood -- 19. Business ventures and financial sector in the United Arab Emirates / Robert Ruminski -- 20. ECO-GEN energy solutions : Tahiti story / Cheryl Stephens -- 21. Japanese smart communities as industrial policy / Andrew DeWit -- 22. Sustainable communities in Costa Rica / Gerardo Zamora -- 23. Sustainable development cases in Africa / Samantha Bobo -- 24. Sustainable agriculture : the food chain / Attilio Coletta -- 25. Insights on establishing a cohesive and enduring campus sustainability initiative / Sierra Flanigan, Talia Arnow -- 26. The power of sustainability : the story of Kent, Ohio / Myra Moss -- 27. The Los Angeles Community College district : establishing a net zero energy campus / Calvin Lee Kwan, Andrew Hoffmann -- 28. Case study : University of California, Irvine / Wil Nagel -- 29. "Scrappy" sustainability at Ohio Wesleyan University / Emily Howald, John Krygier -- 30. Afterword : a sustainable economic and finance proposal / Woodrow W. Clark, II.

Sommario/riassunto

Sustainable Communities Design Handbook: Green Engineering, Architecture, and Technology, Second Edition, brings together the major players responsible for sustainable development at both community and metropolitan scales. The book aims to explain and demonstrate the practice, planning, design, building and managing of the engineering, architectural and economic development of cities and communities to meet sustainable development objectives. Offering a holistic approach to creating sustainable communities, the book includes a 40 percent increase in new methods and technology over the last edition, and 50 percent more case studies from around the world to illustrate how common sustainability problems are solved. --
