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Nota di contenuto	Front cover; Urban Energy transition; Copyright page; Contents; Urban energy transition: an introduction; PART I: principles and drivers; Chapter 1 Solar city: reconnecting energy generation and use to the technical and social logic of solar energy; 1.1 No possible change within the conventional energy system; 1.2 Renewable energies as an energetic imperative; 1.3 Energy generation and energy use: from disconnection to reconnection; 1.4 Looking back to look forward; 1.5 From global energy supply to the city as power station; References. Chapter 2 Undoing atmospheric harm: civil action to shrink the carbon footprint2.1 Changing the sky; 2.2 Carbon emission allocations under an equity consideration; 2.3 Impact of US (In)action on climate

sustainability and carbon equity; 2.4 American civil society in revolt: breaking ranks with the national government; 2.5 Toward a grassroots politics of climate sustainability; 2.6 Civil strategy to decarbonize the human footprint; References.

Chapter 3 Urbanization, Increasing Wealth and Energy Transitions: Comparing Experiences between the USA, Japan and Rapidly Developing Asia-Pacific Economies 3.1 Introduction; 3.2 Background: Linkage between Development, Urbanization and Energy Transitions; 3.3 Data and Analysis; 3.4 Comparison of Urbanization Trends: USA, Japan and Rapidly Developing Asia-Pacific Economies; 3.5 Comparisons of the Energy Transitions: USA, Japan and Rapidly Developing Asian Economies; 3.6 Discussion; 3.7 Qualifications; 3.8 Conclusions; Acknowledgements; References.

Chapter 4 Direct versus Embodied Energy -- The Need for Urban Lifestyle Transitions 4.1 Introduction: What is Embodied Energy?; 4.2 Embodied Energy -- An International Perspective; 4.3 Sydney -- A Case Study; 4.4 Conclusions: Technological vs Lifestyle Transition; Acknowledgements; References; Chapter 5 Energy Development and Sustainable Monetary Systems; 5.1 Introduction; 5.2 Plugging the Economic Drains from an Urban Precinct; 5.3 Establishing Self-Financing, Self-Governing Precincts; 5.4 Evaluation of Sustainable Energy Dollars; 5.5 Designing a Local Real Monetary System. 5.6 Governance of Sustainable Urban Communities References; PART II: Policy and Practice Dynamics; Chapter 6 Renewable Energy Policymaking in New York and London: Lessons for other 'World Cities'?; 6.1 Introduction; 6.2 Urban Renewables Policymaking: What Role for Cities?; 6.3 London -- A Strategic Vision on Renewable Energy Supply and Use; 6.4 Key Influences on London's Energy Policy; 6.5 New York City -- A Comprehensive but Less Renewables-Focused Energy Path; 6.6 Key Influences on Energy Policymaking in New York City; 6.7 Distilling Policymaking Lessons for Other Cities; References.

Sommario/riassunto

Urban Energy Transition, second edition, is the definitive science and practice-based compendium of energy transformations in the global urban system. This volume is a timely and rich resource for all, as citizens, companies and their communities, from remote villages to megacities and metropolitan regions, rapidly move away from fossil fuel and nuclear power, to renewable energy as civic infrastructure investment, source of revenue and prosperity, and existential resilience strategy.
