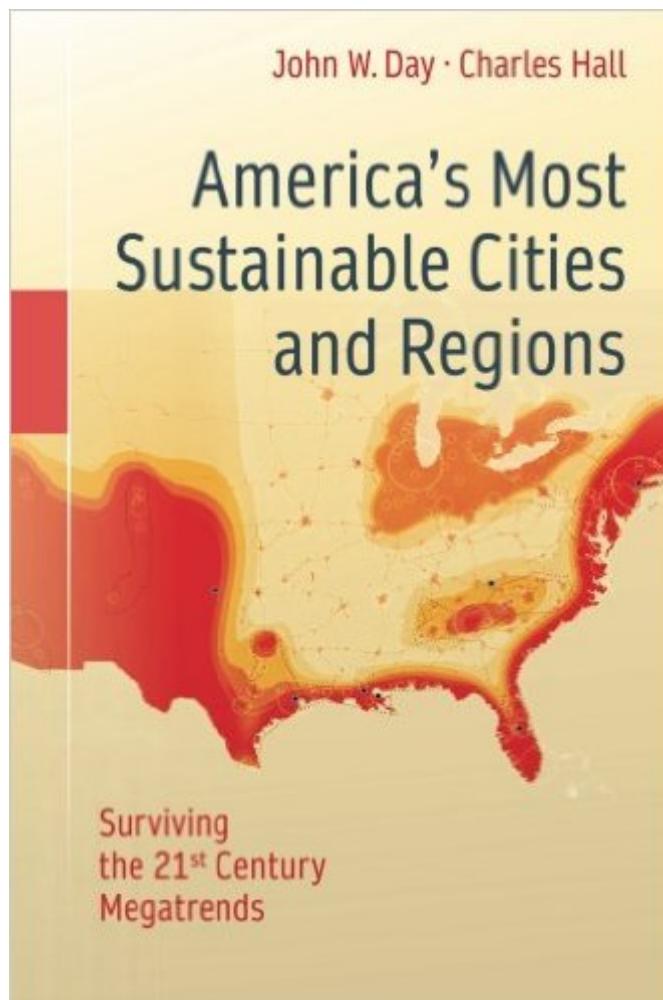


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America's Most Sustainable Cities And Regions: Surviving The 21st Century Megatrends



Synopsis

This book takes you on a unique journey through American history, taking time to consider the forces that shaped the development of various cities and regions, and arrives at an unexpected conclusion regarding sustainability. From the American Dream to globalization to the digital and information revolutions, we assume that humans have taken control of our collective destinies in spite of potholes in the road such as the Great Recession of 2007-2009. However, these attitudes were formed during a unique 100-year period of human history in which a large but finite supply of fossil fuels was tapped to feed our economic and innovation engine. Today, at the peak of the Oil Age, the horizon looks different. Cities such as Los Angeles, Phoenix and Las Vegas are situated where water and other vital ecological services are scarce, and the enormous flows of resources and energy that were needed to create the megalopolises of the 20th century will prove unsustainable. Climate change is a reality, and regional impacts will become increasingly severe. Economies such as Las Vegas, which are dependent on discretionary income and buffeted by climate change, are already suffering the fate of the proverbial canary in the coal mine. Finite resources will mean profound changes for society in general and the energy-intensive lifestyles of the US and Canada in particular. But not all regions are equally vulnerable to these 21st-century megatrends. Are you ready to look beyond "America's Most Livable Cities" to the critical factors that will determine the sustainability of your municipality and region? Find out where your city or region ranks according to the forces that will impact our lives in the next years and decades. Find out how: resource availability and ecological services shaped the modern landscape emerging megatrends will make cities and regions more or less livable in the new century your city or region ranks on a "sustainability" map of the United States urban metabolism puts large cities at particular risk sustainability factors will favor economic solutions at a local, rather than global, level these principles apply to industrial economies and countries globally. This book should be cited as follows: J. Day, C. Hall, E. Roy, M. Moersbaecher, C. D'Elia, D. Pimentel, and A. Yanez. 2016. "America's most sustainable cities and regions: Surviving the 21st century megatrends." Springer, New York. 348 p.

Book Information

Paperback: 348 pages

Publisher: Copernicus; 1st ed. 2016 edition (January 24, 2016)

Language: English

ISBN-10: 149393242X

ISBN-13: 978-1493932429

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ See all reviewsÂ (3 customer reviews)

Best Sellers Rank: #34,585 in Books (See Top 100 in Books) #9 inÂ Books > Politics & Social Sciences > Politics & Government > Public Affairs & Policy > City Planning & Urban Development #9 inÂ Books > Politics & Social Sciences > Social Sciences > Urban Planning & Development #11 inÂ Books > Business & Money > Industries > Energy & Mining > Oil & Energy

Customer Reviews

This is a very important book, which deserves attention and careful study by everybody who cares about the futures of cities in the 21st century. The key problem addressed in the book is the dependence of mega-cities in North America on fossil fuels, and the unsustainability of these cities without or beyond fossil fuels. (Oil and gas from 'fracking' shale can provide only temporary postponements of what is coming). It seems that no combination of renewables, energy efficiency, and energy conservation can support the continuation of the lifestyles and economies in these cities post-fossil-fuels, as the authors make clear using and citing much published research and analysis. Impacts of climate change on some of these cities and regions are also included in the discussion. Some smaller cities are much more sustainable over the longer term, for reasons which are well-described in the book. Jared Diamond has observed that civilizations sometimes collapse because of slow changes which do not alarm anybody at the time, and the long-term implications of which are not well-understood. With books like this, and all of the research which is noted and reviewed in the book, we do not have that excuse. Many writers, scholars, and activists are trying to mainstream this kind of knowledge, and working on developing new paradigms for local economic and social life in their regions. This book should be a big resource in these efforts.

The title of this well organized work is somewhat modest as it is an excellent primer on energy literacy and serves as a valuable guide on distinguishing green babble from reality. Spoiler alert: when systems of human organization (such as neoclassical economics, for example) confront the laws of physics, the latter wins.

Read it! then start changing the world.

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