1. Record Nr. UNINA9910164157603321

Autore	Pick James B
Titolo	Renewable Energy: Problems and Prospects in Coachella Valley, California / / by James B. Pick
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	9783319515267
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XIV, 210 p. 67 illus., 63 illus. in color.)
Collana	SpringerBriefs in Geography, , 2211-4165
Disciplina	333.7940973
Soggetti	Geographical information systems Renewable energy resources Energy policy Energy and state Sustainable development Regional planning Urban planning Economic geography Geographical Information Systems/Cartography Renewable and Green Energy Energy Policy, Economics and Management Sustainable Development Landscape/Regional and Urban Planning Economic Geography
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	Introduction -- Renewable Energy Features of Coachella Valley -- Conceptual Models and Methods -- Socioeconomic and Urban Profile of Coachella Valley -- Benchmark Comparisons of Leading Wind and Solar Areas with Coachella Valley: Implications -- Innovation and Entrepreneurship in Renewable Energy: Case Studies from the Coachella Valley -- Prospects and Problems for Growth of Renewable Manufacturing, Assembly, and Operations in Coachella Valley. .

Sommario/riassunto

The book analyzes the problems and potential of renewable energy development for the Coachella Valley of California and provides a useful case study for renewable energy feasibility assessments for other areas. A conceptual model, Integrated Policy Assessment Theory for Renewable Energy, is given and justified for renewable energy development in the Valley. Further, Central Place Theory, well known in urban geography, is discussed and it is seen to be very relevant to the understanding the Coachella Valley's city sizes and renewable energy markets, compared to the greater Los Angeles region. The book's research methods include geospatial mapping and analysis and interviews leaders in small innovative firms, government agencies, and nonprofits. The many findings of the book include evaluation of how the Valley's socioeconomic and transportation features influence renewable energy development, the scope of markets for solar and wind energy in the Valley, spatial confluences of renewable energy facilities with other features, and the future potential of ground-source heat pumps. Benchmark comparison of the Coachella Valley is done with two leading wind and solar regions elsewhere in the country, to assess the Valley's evolution and opportunities in renewable energy. The book concludes by evaluating the prospects and problems for the growth of renewable entrepreneurship, manufacturing, assembly, and operations in Coachella Valley. This leads to policy recommendations grounded in the book's research findings, which are intended for use by governments, businesses, and nonprofits. The hope is that many of the developmental experiences from the Coachella Valley will be helpful not only within the Valley but to other communities nationwide and worldwide. .