

Building Futures

Managing energy in the built environment

Jane Powell, Jennifer Monahan and
Chris Foulds

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Peter Droege



Building Futures Managing Energy Environment:

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Energy Performance in the Australian Built Environment Priyadarsini Rajagopalan, Mary Myla Andamon, Trivess Moore, 2018-07-11 This book examines energy efficiency in the Australian built environment and presents current developments with a particular focus on the temperate setting of Victoria state It is divided into four main parts discussing policies climate and carbon footprint and presenting case studies on the energy performance and indoor environmental quality of various building types The book is intended for readers wanting to understand the various policies

related to different buildings types and their energy performance

Housing Sustainability in Low Carbon Cities Ralph Horne, 2017-09-08 Housing affordability urban development and climate change responses are great challenges that are intertwined yet the conceptual and policy links between them remain under developed Housing Sustainability in Low Carbon Cities addresses this gap by developing an interdisciplinary approach to urban decarbonisation drawing upon more established yet quite distinctive fields of built environment policy and design housing and studies of social and economic change Through this approach policy and practices of housing affordability equity energy efficiency resilience and renewables are critiqued and alternatives are presented Drawing upon international case studies this book provides a unique contribution to interdisciplinary urban and housing studies discourses and practices in an era of climate change This book is recommended reading on higher level undergraduate and taught postgraduate courses in architecture urban studies planning built environment geography and urban studies It will also be directly valuable to housing and urban policy makers and sustainability practitioners

Urban Energy Transition Peter Droege, 2018-08-12 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 Covers technical financial systems urban planning and design landscape mapping and modelling and sociological issues related to urban renewable energy transformations Presents city wide renewable energy strategies and urban thermal performance planning sector coupling and smart distributed renewable energy and storage systems Examines individual and mass transport systems in the contexts of urban mobility trends and energy innovations Explains successful innovations in solar bond finance blockchain technology enabled peer to peer renewable energy trading systems and the case for renewable energy based regional monetary systems Features foci on societal community and user enabling aspects such as energy justice prosperity and democracy and urban renewable energy legislation programs and incentives Includes analytic case insights into successful practices from around the globe that provide local regional and country specific governance and organizational perspectives

Managing Environmental and Energy Transitions for Regions and Cities OECD, 2020-11-18 This report offers guidance on how to prepare regions and cities for the transition towards a climate neutral and circular economy by 2050 and is directed to all policymakers seeking to identify and implement concrete and ambitious transition pathways It describes how cities regions and rural areas can manage the transition in a range of policy domains including energy supply conversion and use the transformation of mobility systems and land use practices

The Palgrave Handbook of Managing Fossil Fuels and Energy Transitions Geoffrey Wood, Keith Baker, 2019-11-12 This Handbook is the first volume to comprehensively analyse and problem solve how to manage the decline of fossil fuels as the world tackles climate change and shifts towards a low carbon

energy transition The overall findings are straight forward and unsurprising although fossil fuels have powered the industrialisation of many nations and improved the lives of hundreds of millions of people another century dominated by fossil fuels would be disastrous Fossil fuels and associated greenhouse gas emissions must be reduced to a level that avoids rising temperatures and rising risks in support of a just and sustainable energy transition Divided into four sections and 25 contributions from global leading experts the chapters span a wide range of energy technologies and sources including fossil fuels carbon mitigation options renewables low carbon energy energy storage electric vehicles and energy sectors electricity heat and transport They cover varied legal jurisdictions and multiple governance approaches encompassing multi and inter disciplinary technological environmental social economic political legal and policy perspectives with timely case studies from Africa Asia Australia Europe North America South America and the Pacific Providing an insightful contribution to the literature and a much needed synthesis of the field as a whole this book will have great appeal to decision makers practitioners students and scholars in the field of energy transition studies seeking a comprehensive understanding of the opportunities and challenges in managing the decline of fossil fuels

Energy Research Abstracts ,1982 **ERDA Energy Research Abstracts** ,1985 *Future Challenges in Evaluating and Managing Sustainable Development in the Built Environment* Peter S. Brandon,Patrizia Lombardi,Geoffrey Q. Shen,2024-09-23 Future Challenges in Sustainable Development within the Built Environment stimulates and reinterprets the demands of Responsible and Sustainable Development in the Built Environment for future action and development It examines the methods of evaluation the use of technology the creation of new models and the role of human factors for examining and developing the subject over the next twenty years

Unveiling the Magic of Words: A Report on "**Building Futures Managing Energy Environment**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Building Futures Managing Energy Environment**," a mesmerizing literary masterpiece penned by way of a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound affect on the souls of its readers.

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