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978-1-107-02916-3 - Climate, Energy and Water: Managing Trade-Offs, Seizing Opportunities

Edited by Jamie Pittock, Karen Hussey and Stephen Dovers

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## CLIMATE, ENERGY AND WATER

With the global population expected to reach nine billion by 2050, our capacity to provide enough food, water and energy relies on our understanding and management of the complex interdependencies in the climate-energy-water nexus. This book presents a comprehensive and up-to-date analysis of the interdependencies between these sectors and the knock-on consequences of those interactions for other sectors, such as food production and biodiversity conservation. The interdisciplinary nature of the book across the three sectors of climate, energy and water means that it will be valuable for advanced students, researchers and policymakers across a broad range of fields, including environmental/energy/water/climate policy, environmental economics, climate science, hydrology, ecology and geography.

JAMIE PITTOCK is an associate professor in the Fenner School of Environment and Society at the Australian National University (ANU) and the director of International Programs for the ANU UNESCO Chair in Water Economics and Transboundary Water Governance. He is also the program leader of the Australia–United States Climate, Energy and Water Nexus Project for the US Studies Centre. Jamie worked for non-governmental environmental organisations in Australia and internationally from 1989 to 2007; previously, he was director of WWF’s Global Freshwater Programme from 2001 to 2007. Jamie’s research focusses on better governance of the interlinked issues of water management, energy and food supply, responses to climate change and conservation of biological diversity. His recent research includes assessments of the impacts of renewable energy and carbon sequestration policies on water resources and ecosystems globally, and also the water-use implications of emission reduction measures proposed in Australia. Jamie’s work also considers the energy costs of water sector adaptation to climate change. He directs two large research programs on irrigation and water management in Africa and on hydropower, food and water in the Mekong region. Jamie is also chair of the Board of Water Stewardship Australia.

KAREN HUSSEY is an associate professor at the Fenner School of Environment and Society at ANU and an ANU Public Policy Fellow. Karen undertakes research and teaching related to environmental governance, water and energy policy, climate adaptation, resilience and disaster management, and the links between international trade and environmental regulation. Karen’s most recent books include *Environment and Sustainability: A Policy Handbook* (with Stephen Dovers, 2013) and *Water Resources Planning and Management* (with Quentin Grafton, Cambridge University Press, 2011). Karen is a program director of the Australia–United States Climate, Energy and Water Nexus Project and a board member for the ANU UNESCO Chair in Water Economics and Transboundary Water Governance.

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JAMIE PITTOCK, KAREN HUSSEY AND  
STEPHEN DOVERS



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As with all edited collections, the single biggest challenge lies in marrying diversity with coherence, breadth with focus, and narrative with detail. We believe this book achieves this elusive goal, and it is the first volume to comprehensively ‘unpack’ the climate, energy and water nexus from the perspective of all three sectors. It also moves beyond describing problems to identifying solutions. That achievement is attributable in no small measure to our external reviewer, Dr Brian Spies. When we needed help to ‘see the wood for the trees’, Brian delivered such thorough reviews as to expose not only the wood, but also the adjacent rivers, mountains and valleys. Reviewing can often be a thankless task, so let it be on the record: thank you, Brian!

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