

Chapter 22 energy transmission and storage michael dworkin

Daniel Spreng and Beat Schachenmann, Journal of World Energy Law and Business "In Global Energy Justice: Problems, Principles, and Practices, Benjamin K. Sovacool and Michael H. Dworkin undertake an ambitious project: understanding these injustices and proposing ways to address them ... Their book is well-documented and ranges across a broad ...

Sovacool and Dworkin [14] define energy justice as "a global energy system that fairly disseminates both the benefits and costs of energy services, and one that has representative and impartial ...

In 2007, Michael H. Dworkin and Rachel Aslin Goldwasser published what has proved to be an enduring critique of RTO governance.⁴ In that piece, Dworkin and Goldwasser focus especially on the role of the public in the operations of RTOs and ISOs.⁵ Shortly thereafter, the Federal Energy Regulatory Commission

Global Energy Justice: Problems, Principles, and Practices by Benjamin K. Sovacool and Michael H Dworkin. Cambridge: Cambridge University Press 2014. 414 pp, £24.99 paperback 9781107665088, £64.99 hardcover 9781107041950, \$32 e-book 9781316056554 ... chapter 2 is devoted to all aspects of energy starting from the basic units, to the laws of ...

Energy powers the world. Having enough energy is essential to maintaining even the most minimal quality of life. But extracting and using energy renders some places uninhabitable, and now threatens the ecological integrity of the planet. Current energy systems involve profound injustices. These injustices can arise in the ways that energy is produced - including through ...

By Michael H. Dworkin¹ & Rachel Aslin Goldwasser² Synopsis: Regional Transmission Organizations (RTOs) have become an integral element of the Federal Energy Regulatory Commission's (FERC) encouragement of wholesale electricity markets. These organizations operate regional electricity transmission systems for two-thirds of the load in the ...

SOVACOO & MICHAEL . H. DWORKIN, GLOBAL ENERGY JUSTICE: PROBLEMS, PRINCIPLES, AND PRACTICES . 13 (2014). See also id. at 5, 22-23 (discussing the paucity of research resources on the relatively novel concept of energy justice, and finding only five articles with both terms included in their titles over the past four decades). 2. Id. at 90-95. 3.

ago with the publication of an article by Michael and his co-author, Rachel Goldwasser - Consideration of the Public Interest in the Governance and Ac-countability of Regional Transmission Organizations.¹ Michael, Professor of Law Emeritus at Vermont Law and Graduate School and Seth, Professor of Energy

We need new ways of thinking about, and approaching, the world's energy problems. Global energy security and access is one of the central justice issues of our time, with profound implications for happiness, welfare,

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freedom, equity, and due process. This book combines up-to-date data on global energy security and climate change with fresh perspectives on the ...

This book combines up-to-date data on global energy security and climate change with fresh perspectives on the meaning of justice in social decision-making. Benjamin K. Sovacool and Michael H. Dworkin address how justice theory can help people to make more meaningful decisions about the production, delivery, use, and effects of energy.

The main aim of the whole system concept is to raise awareness among energy system decision-makers about aspects of availability, affordability, due process, transparency and accountability ...

Though it is far from obvious, concepts from justice, philosophy, and ethics can significantly inform energy consumers and producers. This study details how energy justice can serve as a novel conceptual tool for philosophers and ethicists that better integrates usually distinct distributive and procedural justice concerns. Energy justice serves as an important ...

State Energy Office and over 22 years at the Michigan Public Service Commission. For several ... Michael Dworkin of Vermont Law School, Jason Rauch of the Maine Public Utilities Commission Staff, Lisa Schwartz of Lawrence ... Non-Transmission Alternatives (NTAs) are electric utility system investments and ...

Energy poverty is a pressing global issue that has gained growing concern for the uneven energy access and consumption among wealthy and low-income communities that expose impoverished families to ...

This initiative seeks to engage governments, companies, and other civil society actors to achieve three goals by 2030: universal access to modern energy services, reducing global energy intensity by 40%, and increasing renewable energy use globally to 30% of total primary energy supply.⁶ Two of these goals--universal access and the diffusion ...

However, from an energy justice perspective, people are "entitled to a certain set of minimal energy services which enable them to enjoy a basic minimum of wellbeing."¹⁶⁵ Energy services provide power, heat, light, cooling, mobility, ...

Sobin, Rodney, "Energy Myth Seven: Renewable Energy Systems Could Never Meet Growing Electricity Demand in America," in Sovacool, B. K. and Brown, M. A. (eds.), *Energy and American Society - Thirteen Myths* (New York: ...

Building Global Energy Interconnection. Zhenya Liu, in *Global Energy Interconnection*, 2015. 1.2.5.1 Energy Transmission. Energy transmission is the most basic function of global energy interconnection. Electric energy transmission is an important mode of energy transport, with the flow of electricity generated from coal as well as hydro, nuclear, wind, and solar energy all ...

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Review of Benjamin K. Sovacool and Michael H. Dworkin's Global Energy Justice: Problems, Principles, and Practices ... a long transmission line carries power past millions of households so that it can feed aluminum smelters and copper mines.¹³ One consequence of the lack of modern energy is dangerous levels of air pollution inside the dwellings ...

Benjamin K. Sovacool and Michael H. Dworkin address how justice theory can help people to make more meaningful decisions about the production, delivery, use, and effects of energy. ...

^Simply speaking, the energy grid can be broken down into three components: generation, long-range transmission, and local distribution. Courts have considered generation of electricity to be a "purely intrastate" process, such that the decisions of whether to build a power plant and what energy source fuels that power plant fall within the ...

Synopsis: Regional Transmission Organizations (RTOs) have become an integral element of the Federal Energy Regulatory Commission's (FERC) encouragement of wholesale electricity markets. These organizations operate regional electricity transmission systems for two-thirds of the load in the United States. Yet years after the first RTOs were approved by the ...

Global Energy Justice 1 is a comprehensive analysis of today's most urgent issues related to the harnessing and use of energy. A separate chapter is dedicated to each issue, ...

This chapter first briefly discusses definitions of political economy, political ecology, and social justice. It then presents five different theoretical concepts or lenses that offer a novel way of...

22 August 2024: Due to technical disruption, we are experiencing some delays to publication. ... ABS Energy Research, Global Transmission & Distribution Report, 2010. International Energy Agency, World Energy Outlook 2011 ... Denmark, Michael H. Dworkin; Book: Global Energy Justice; Online publication: 05 October 2014; Chapter DOI: <https://doi.org/10.1017/9781009054444.022> ...

This chapter studies the optimal sizing of transmission and energy storage capacities for remote renewable power plants, minimizing total investment costs while considering distributionally robust renewable energy curtailment conditional value-at-risk constraints.

The energy crisis and climate change have caused widespread concern around the world, and many countries and regions have developed clear plans to achieve carbon neutrality in the next few decades (Weng et al. 2021). Utilizing emerging renewable energy generation technologies, represented by photovoltaic (PV) and wind power generation, the ...

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