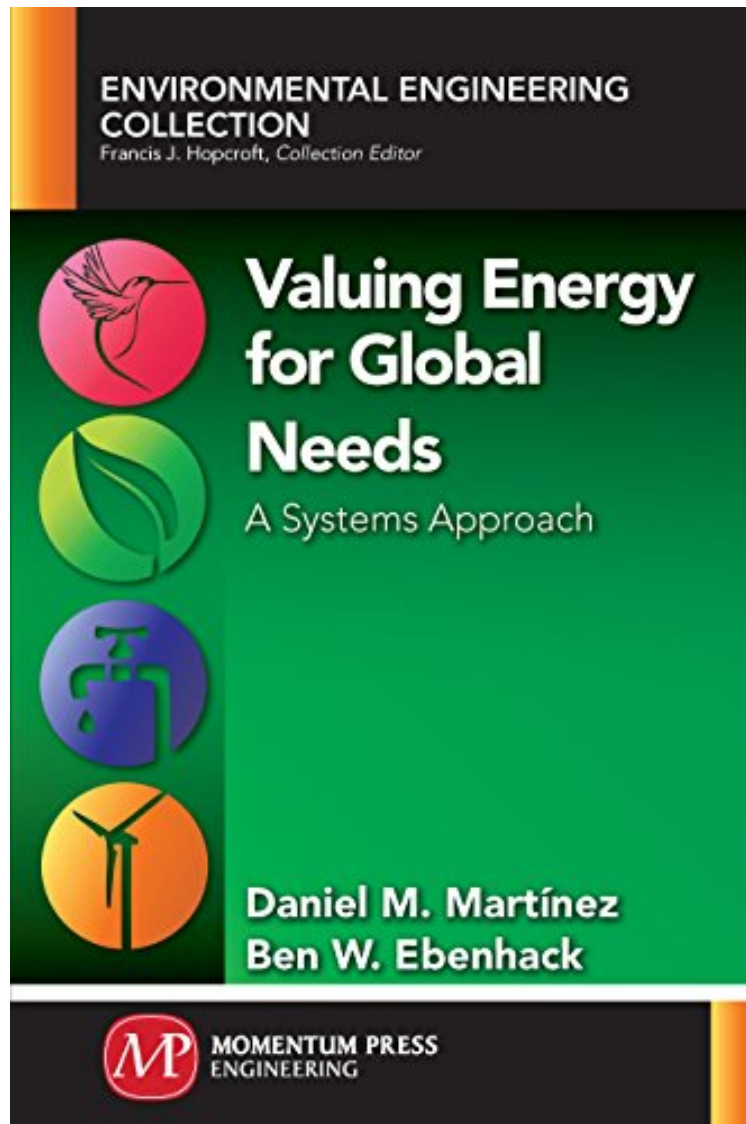


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Valuing Energy for Global Needs: A Systems Approach

Daniel M. Martiacute;nez, Ben W. Ebenhack
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Daniel M. Martiacute;nez, Ben W. Ebenhack : Valuing Energy for Global Needs: A Systems Approach before purchasing it in order to gage whether or not it would be worth my time, and all praised Valuing Energy for Global Needs: A Systems Approach:

This book serves as a starting point for energy engineers, sustainability managers, political leaders, and properly informed citizens to explore the net value added by energy systems. Since some resources deplete and some new technologies will require time to emerge, the book takes the reader through the range of costs and benefits, considering

the contexts of geography, human needs, and of time. The book takes a particularly close look at the underdeveloped world that currently lacks access to modern energy, and which is crippled by its dependence on dirty, inefficient biomass fuels to meet bare subsistence needs. The authors provide evidence for the reality that energy provides tremendous social value, ranging from the most basic survival to development, to great luxury, inevitably, at a cost. Based on this evidence the reader will be well-equipped to ask the questions: Which energy resources should be abandoned and which should be embraced as we strive for a sustainable future?

About the Author Daniel M. Martiacute;nez received his PhD in chemical engineering from the University of Rochester and currently is an assistant professor of environmental science and policy at the University of Southern Maine. His research and teaching interests span the fields of molecular science, energy sustainability, and STEM education. Since joining USM, he has developed numerous projects about energy, development and the environment, with a focus on energy analysis and building energy systems. Ben W. Ebenhack began his career working for a multinational petroleum company in district operations, corporate research, and international headquarters. Upon leaving the oil patch, he founded the AHEAD Energy Corporation, a public charity that helps developing countries in their energy transitions.