Environmental Accounting: Emergy and Environmental Decision Making (Hardback)

By Howard T. Odum

John Wiley and Sons Ltd, United States, 1995. Hardback. Condition: New. Language: English . Brand New Book. In this important new work, Howard T. Odum, widely acknowledged as the father of systems ecology, lucidly explains his concept of emergy, a measure of real wealth that provides a rational, science-based method of evaluating commodities, services, and environmental goods. Using specific real-world examples, Dr. Odum clearly demonstrates the revolutionary role of emergy in environmental management and policy making. Environmental Accounting: Emergy and Environmental Decision Making offers environmental professionals--policymakers, managers, ecologists, planners, developers, and activists--a systematic approach to environmental and economic valuation that will eliminate much of the rancor and adversarial decision making that often plagues environmental issues. Specifically, this book: â Describes the theoretical basis, calculation procedures, and applications of emergy â Introduces the concept of transformity, the ratio of emergy (work put into a product) and energy (value received from the product) â Provides formulas for emergy calculations, procedures for making an emergy evaluation table, and parameters for updating evaluations â Demonstrates the use of emergy to evaluate environments, minerals, waters, primary energy sources, economic developments, and international trade â Compares the emergy approach to environmental evaluation with others Environmental Accounting:...

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