

Pricing Nature Cost Benefit Analysis And Environmental Policy Hardback

Pricing Nature Cost-benefit Analysis and Environmental Policy Edward Elgar Publishing

The earnest warnings of an impending "solid waste crisis" that permeated the 1980s provided the impetus for the widespread adoption of municipal recycling programs. Since that time America has witnessed a remarkable rise in public participation in recycling activities, including curbside collection, drop-off centers, and commercial and office programs. Recently, however, a backlash against these programs has developed. A vocal group of "anti-recyclers" has appeared, arguing that recycling is not an economically efficient strategy for addressing waste management problems.

In *Why Do We Recycle?* Frank Ackerman examines the arguments for and against recycling, focusing on the debate surrounding the use of economic mechanisms to determine the value of recycling. Based on previously unpublished research conducted by the Tellus Institute, a nonprofit environmental research group in Boston, Massachusetts, Ackerman presents an alternative view of the theory of market incentives, challenging the notion that setting appropriate prices and

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allowing unfettered competition will result in the most efficient level of recycling. Among the topics he considers are: externality issues -- unit pricing for waste disposal, effluent taxes, virgin materials subsidies, advance disposal fees the landfill crisis and disposal facility siting container deposit ("bottle bill") legislation environmental issues that fall outside of market theory calculating costs and benefits of municipal recycling programs life-cycle analysis and packaging policy -- Germany's "Green Dot" packaging system and producer responsibility the impacts of production in extractive and manufacturing industries composting and organic waste management economics of conservation, and material use and long-term sustainability Ackerman explains why purely economic approaches to recycling are incomplete and argues for a different kind of decisionmaking, one that addresses social issues, future as well as present resource needs, and non-economic values that cannot be translated into dollars and cents. Backed by empirical data and replete with specific examples, the book offers valuable guidance for municipal planners, environmental managers, and policymakers responsible for establishing and implementing recycling programs. It is also an accessible introduction to the subject for faculty, students, and concerned citizens interested in the social, economic, and ethical underpinnings of recycling

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efforts.

This purpose of this thesis is to present a cost/benefit analysis of different Interactive Courseware (ICW) packages available for use at Fleet Anti- Submarine Warfare Training Center (FLEASWTRACEN), San Diego, CA. Data was gathered from interviews with the current users of ICW software at FLEASWTRACEN and at Goodfellow Air Force Base in Texas, interviews with companies that develop authoring systems, and information available on the Internet. Data was also gathered from information received from software companies and reports and memorandums available at FLEASWTRACEN. The goal of this thesis was to identify a cost effective product that not only met the current training requirements at FLEASWTRACEN, but also one that would be able to expand and grow to meet their future requirements. The nature of the pricing of the ICW software did not allow for a 'strict' cost vs. benefit analysis. Since the costs vary depending on both the capabilities of the software package and the economic benefits received by the customer (which are 'soft' and difficult to measure), the analysis focused on identifying a product that required minimal investment in additional hardware and/or software requirements. Based on evaluation of the research data, recommendations are presented for future acquisition of ICW software. Acclaim for the first edition: 'This is an excellent text

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that could be used in specialist academic courses in environmental and natural resource economics, ecological economics and cost-benefit analysis, as well as in interdisciplinary courses in public policy, planning and environmental management.' - David James, Australasian Journal of Environmental Management

This Second Edition of Cost-Effectiveness Analysis continues to provide the most current, step-by-step guide to planning and implementing a cost analysis study. Henry M. Levin and Patrick J. McEwan use detailed and varied examples from studies and articles, ranging from education to public health, to introduce the principles and practice of cost-effectiveness analysis. The authors take account of both the costs and the effects of selecting alternatives, and suggest methods of minimizing the costs of research. New to this edition: expanded coverage of cost effectiveness from types of technique to use, to how to interpret the data; the latest information on cost benefits analysis and how to relate it to outcome measures; in-depth chapter-end exercises to enable readers to sharpen their ability to evaluate policy options and program effectiveness; feedback appendix for readers to evaluate their responses to exercises; comprehensive bibliography of methodological sources on cost analysis and educational settings grouped by category. This thorough volume primes

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the reader to deal with any evaluation situation by studying cost-effective analysis in relation to cost-benefit analysis, cost-utility analysis, and cost-feasibility analysis.

This book argues in favor of using cost-benefit analysis globally and examines the positive impact it can have in developing countries using relevant case studies. The book discusses the potential for cost-benefit analysis to provoke a global shift toward stronger and more effective economic policies.

This Element on cost-benefit analysis provides a summary of recent theoretical and empirical developments and summarizes state-of-the-art stated-preference and revealed-preference valuation methods. The Element discusses how to assess small (or marginal) as well as large (or non-marginal) projects that have a significant impact on prices and/or other economic variables. It also discusses distortions like taxes, market power, and sticky prices. In addition, risk/uncertainty is considered. A novel feature is the elaboration on flexible evaluation rules for reasonably small projects. Conventional point-estimates of projects should be used with care, because they typically give biased results.

A comprehensive philosophically grounded argument for the use of social welfare functions as a framework for governmental policy analysis.

An in-depth assessment of the most recent conceptual and methodological developments in cost-

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benefit analysis and the environment.

Cost-benefit analysis (CBA) is the systematic and analytical process of comparing benefits and costs in evaluating the desirability of a project or programme – often of a social nature. It attempts to answer such questions as whether a proposed project is worthwhile, the optimal scale of a proposed project and the relevant constraints. CBA is fundamental to government decision making and is established as a formal technique for making informed decisions on the use of society's scarce resources. This timely sixth edition of the classic Cost-Benefit Analysis text continues to build on the successful approach of previous editions, with lucid explanation of key ideas, simple but effective expository short chapters and an appendix on various useful statistical and mathematical concepts and derivatives. The book examines important developments in the discipline, with relevant examples and illustrations as well as new and expanded chapters which build upon standard materials on CBA. Highlights include: updated historical background of CBA extended non-market goods valuation methods the impact of uncertainty evaluation of programmes and services behavioural economics decision rules and heuristics CBA and regulatory reforms CBA in developed and developing countries value of household production other topics frequently encountered in CBA, such as costs of diseases and air pollution, and value of

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statistical life. This book is a valuable source and guide to international funding agencies, governments, interested professional economists and senior undergraduate and graduate students. The text is fully supported by a companion website, which includes discussion questions and PowerPoint slides for each chapter.

Seminar paper from the year 2008 in the subject Environmental Sciences, Technical University of Munich, course: Sustainable Consumption, 14 entries in the bibliography, language: English, abstract: In this article we first define and describe the concept and main points of environmental friendly marketing. We present the six important steps that must be followed to have a successful marketing strategy. We make a short introduction into cost benefit analysis, present the basic points of the cost benefit analysis theory and define the various types of benefits and costs. As a conclusion, an example in the sector of “passive” houses (Niedrigenergiehäusern) is presented, in order to evaluate the options that a consumer has to choose from, when facing the residence dilemma. [...]

Cost-benefit Analysis of Environmental Health Interventions clearly articulates the core principles and fundamental methodologies underpinning the modern economic assessment of environmental intervention on human health. Taking a practical approach, the book provides a step-by-step

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approach to assigning a monetary value to the health benefits and disbenefits arising from interventions, using environmental information and epidemiological evidence. It summarizes environmental risk factors and explores how to interpret and understand epidemiological data using concentration-response, exposure-response or dose-response techniques, explaining the environmental interventions available for each environmental risk factor. It evaluates in detail two of the most challenging stages of Cost-Benefit Analysis in 'discounting' and 'accounting for uncertainty'. Further chapters describe how to analyze and critique results, evaluate potential alternatives to Cost-Benefit Analysis, and on how to engage with stakeholders to communicate the results of Cost-Benefit Analysis. The book includes a detailed case study how to conduct a Cost-Benefit Analysis. It is supported by an online website providing solution files and detailing the design of models using Excel. Provides a clear understanding of the core theory of cost-benefit analysis in environmental health interventions Provides practical guidance using real-world case studies to motivate and expand understanding Describes the challenging 'discounting' and 'accounting for uncertainty' problems at chapter length Supported by a practical case study, online solution files, and a practical guide to the design of CBA models using Excel

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Publisher Description

The Asian Development Bank (ADB) has been continuously undertaking measures to enhance the effectiveness of its operations. To improve projects both at the preparation and implementation stages, ADB issued the Guidelines for Economic Analysis of Projects in 1997 as a means to enhancing project quality at entry. The conduct of proper economic analysis helps ensure the efficient use of development funds and public resources and thereby increase aid effectiveness. This practical guide is a supplement to the Guidelines for the Economic Analysis of Projects. It provides an overview of recent methodological developments in cost-benefit analysis as well as suggested improvements in the economic analysis of projects in selected sectors through case studies. These case studies illustrate the application of suggested methodologies, taking into account sector-specific needs, as well as difficulties faced by practitioners in terms of data and time constraints during project processing. It also aims to contribute to ADB's capacity building initiatives as this will be the main reference material for conduct of economic analysis. An impressive piece of work that deserves to be on every European agricultural economist's bookshelf. Jean-Christophe Bureau, European Review of Agricultural Economics This is an excellent text that could be used in specialist academic courses in environmental and

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natural resource economics, ecological economics and cost benefit analysis, as well as in interdisciplinary courses in public policy, planning and environmental management. David James, *Australasian Journal of Environmental Management* Cost Benefit Analysis (CBA) is one of the most useful tools of applied economics for the social appraisal of public projects and government policies. Nick Hanley and Edward Barbier show how CBA can be applied to environmental policy choice and environmental resource management. They cover the conceptual underpinnings of CBA, practical methods for applying CBA, and a wide range of case study applications from Europe, North America and developing countries. Issues such as the value of ecosystem services and the special problems posed for CBA by environmental management are brought into close focus. The textbook is aimed at students on inter-disciplinary courses as well as those studying environmental economics, welfare economics and public policy. It will also be of interest to people in the policy community, NGOs and consultancy sectors.

First published in 1997. Routledge is an imprint of Taylor & Francis, an informa company.

Elgar Advanced Introductions are stimulating and thoughtful introductions to major fields in the social sciences and law, expertly written by the world's leading scholars. Designed to be accessible yet rigorous, they offer concise and lucid surveys of the substantive and policy issues associated with discrete subject areas. This concise yet comprehensive introduction aims to outline the core principles of Cost-Benefit Analysis (CBA), laying

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them out in an accessible manner with minimum technical detail. The applied nature of the subject is emphasized by showing how each of the principles is applied to an actual public policy intervention, covering transport, education, health and the environment. Robert J. Brent demonstrates how economic efficiency and equity can be combined as social objectives to help determine decisions that can increase satisfaction for all. Covering the fundamental principles, this book presents applications for every concept discussed and lays the foundations for further study in the field. It combines distribution with efficiency as the objectives of public policy, compares the CBA methodology with competing methods of allocating resources that satisfy basic needs, and analyses CBA from the perspective of modern applied welfare economics. The main conclusion is that CBA is the basis for understanding any kind of public policy decision regardless of the field of study, be that government expenditure, taxation or regulation, and irrespective of the tangible or intangible outcome the policy is attempting to influence Both accessible and erudite, the *Advanced Introduction to Cost-Benefit Analysis* will be essential reading for students of health, education, transportation, public finance, regulation, environmental and development economics, and political science, as well as the general reader interested in understanding how public policy should be implemented. Furthermore, the insightful analysis will appeal to practitioners working in government, public institutions and NGOs.

'Helen Scarborough and Jeff Bennett have produced a

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work that is genuinely path-breaking. As is often the case with path-breaking work, the idea is simple enough: if people can respond to choice experiments in ways that tell us a lot about what they value and how much they value it, why would they not be able to respond to choice experiments where the options offered have different distributional consequences? Such simple ideas evade implementation not because they are so hard to think up, but because it is so easy to dismiss them as unthinkable. All credit goes to Scarborough and Bennett for busting through this particular unthinkability barrier. . . [The authors] may be surprised by the magnitude and the nature of the impact this work eventually enjoys.' From the foreword by Alan Randall, The University of Sydney, Australia and The Ohio State University, US This pathbreaking study illustrates and enhances the potential of costbenefit analysis as a tool for decision-making. Advancing the incorporation of equity preferences in policy analysis, the authors demonstrate the application of choice modelling to the estimation of distributional weights suitable for inclusion in a costbenefit analytical framework. A platform for discussion of the challenges and opportunities of this approach is presented in the form of a detailed case study designed to estimate community preferences for different intergenerational distributions. While the case study is focused on natural resource management and environmental policy, the conceptual and methodological advances illustrated by the authors are relevant and applicable to a wider array of policy deliberations. This book will prove a challenging and thought-provoking read for academics, students and

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policymakers with an interest in environmental issues and/or public sector economics.

This concise yet comprehensive introduction aims to outline the core principles of Cost–Benefit Analysis (CBA), laying them out in an accessible manner with minimum technical detail. The applied nature of the subject is emphasized by showing how each of the principles is applied to an actual public policy intervention, covering transport, education, health and the environment. Robert Brent demonstrates how economic efficiency and equity can be combined as social objectives to help determine decisions that can increase satisfaction for all.

This book, which was first published in 1972, is not a collection of case-studies in cost-benefit analysis, of which there had been already several in use employing techniques of varying degrees of sophistication. Nor is it a manual of instruction with particular orientation for less developed countries, such as those produced under the auspices of the U.N. and the O.E.C.D. What this volume does attempt is to introduce the student of economics to the logic and the concepts used in cost-benefit analysis. This thoroughly updated second edition incorporates key ideas and discussions on issues such as wider economic impacts, the treatment of risk, and the importance of institutional arrangements in ensuring the correct use of technique. Ginés de Rus considers whether public decisions, such as investing in high-speed rail links, privatizing a public enterprise or protecting a natural area, may improve social welfare.

All is not well with the evaluation of government programs

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and projects. Resources available to any society are limited. If governments are to increase the well-being of their citizens, they must be able to select and implement the socially most beneficial projects and policies. But many government agencies lack the expertise to carry out a cost-benefit analysis, or even to commission one. Commercial consultants, on the other hand, often have some analytical expertise, but are not immune from adopting approaches that accommodate the proclivities of their client agencies. In order to increase analytical rigour and methodological consistency, this publication urges the adoption of a 'belts and braces' set of protocols for use in project evaluation.

Value theory, or axiology, looks at what things are good or bad, how good or bad they are, and, most fundamentally, what it is for a thing to be good or bad. Questions about value and about what is valuable are important to moral philosophers, since most moral theories hold that we ought to promote the good (even if this is not the only thing we ought to do). This Handbook focuses on value theory as it pertains to ethics, broadly construed, and provides a comprehensive overview of contemporary debates pertaining not only to philosophy but also to other disciplines-most notably, political theory and economics. The Handbook's twenty-two newly commissioned chapters are divided into three parts. Part I: Foundations concerns fundamental and interrelated issues about the nature of value and distinctions between kinds of value. Part II: Structure concerns formal properties of value that bear on the possibilities of measuring and comparing value. Part III: Extensions, finally, considers specific topics, ranging from health to freedom, where questions of value figure prominently.

As clinical as it sounds to express the value of human lives, health, or the environment in cold dollars and cents, cost-benefit analysis requires it. More disturbingly, this approach is

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being embraced by a growing number of politicians and conservative pundits as the most reasonable way to make many policy decisions regarding public health and the environment. By systematically refuting the economic algorithms and illogical assumptions that cost-benefit analysts flaunt as fact, Priceless tells a "gripping story about how solid science has been shoved to the backburner by bean counters with ideological blinders" (In These Times). Ackerman and Heinzerling argue that decisions about health and safety should be made "to reflect not economists' numbers, but democratic values, chosen on moral grounds. This is a vividly written book, punctuated by striking analogies, a good deal of outrage, and a nice dose of humor" (Cass Sunstein, *The New Republic*). Essential reading for anyone concerned with the future of human health and environmental protection, Priceless "shines a bright light on obstacles that stand in the way of good government decisions" (Public Citizen News). The aim of *Cost-Benefit Analysis for Developing Countries* is to interpret, expand and evaluate the principles of project appraisal using the approach recommended by the World Bank. Robert Brent challenges a number of their findings, particularly through the inclusion of the 'numbers effect', the number of people affected by a development project, as a separate social objective. The book is based on a combination of sound economic theory and extensive empirical research, and case studies are used throughout to illustrate the theory. The author analyses, from an applied perspective, the most recent developments in project appraisal. *Cost-Benefit Analysis for Developing Countries* will be essential reading for students with an interest in development economics, development studies, public policy and comparative economic systems as well as policy makers and practitioners in international organizations and developing countries.

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Cost-benefit analysis (CBA) is one of the most useful tools of applied economics for the social appraisal of public projects and government policies. This textbook shows how CBA can be applied to environmental policy choice and environmental resource management.

The world is increasingly concerned with bridging the developmental gap between the developed and developing countries. With the establishment of a number of institutions for funding the projects including the World Bank, Asian Development Bank, and many other agencies, the need to develop mechanisms to assess economically viable projects is more important than ever. The Social-Cost Benefit Analysis (SCBA) is an important technique used in formulating, appraising, and evaluating projects. It is a facet of applied welfare economics which is increasingly being used to identify and assess public projects in both developing and developed countries. This volume presents a comprehensive view of cost-benefit analysis in its theoretical and applied dimensions. Both theory and case studies are presented. The theoretical setting for Cost-Benefit Analysis is established by the first five chapters-"Spatial General Equilibrium and Cost-Benefit Analysis," by David M. Newbery; "Optimum Growth Theory and Social Time Preference: A Computerized Mathematical Modeling Exercise to Choose a Social Discount Rate," by Sardar M. N. Islam; "A Theoretical Inquiry of the Axiomatic Consistency of Distributional Weights used in Cost-Benefit Analysis," by Giuseppe Munda; "The Output Gap: Measurement, Related Concepts, and Policy Implications," by Parameswar Nandakumar; and "A Methodological Comparison of Theoretical Approaches in Dichotomous Choice Contingent Valuation," by John C. Whitehead. This book will be useful as a reference text by professors and students in project appraisal classes and will be of equal value to analysts, planners, and interested general readers.

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K. Puttaswamaiah is the senior director, Planning Department, Government of Karnataka State, India. He has written or edited fourteen books. He is the founding editor of the Indian (now International) Journal of Applied Economics & Econometrics.

This work takes a fresh look at the application of cost benefit analysis (CBA) to environmental problems ranging from acid rain to global warming.

"The Guide, in Part I, begins with a brief description of generalized CEA and how it relates to the two questions raised above. It then considers issues relating to study design, estimating costs, assessing health effects, discounting, uncertainty and sensitivity analysis, and reporting results. Detailed discussions of selected technical issues and applications are provided in a series of background papers, originally published in journals, but included in this book for easy reference in Part II." (from the back cover).

Cost-benefit analysis (CBA) is the systematic and analytical process of comparing benefits and costs in evaluating the desirability of a project or programme, often of a social nature and for society as a whole. CBA is fundamental to government decision-making and can be an effective tool for informed decisions on the use of society's scarce resources. This book highlights the main concepts and principles of cost-benefit analysis used in real life cases and actual applications. The book contains rich cases, materials and examples of real life CBA applications with emphasis both on physical and non-physical projects and infrastructure developments in Asia and beyond. The book also discusses techniques frequently used in applied CBA. The first part of the book

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introduces the key concepts and principles of CBA before Part Two covers some pertinent issues relating to CBA, such as the recent trend of using behavioural economics and frequently used techniques in applied CBA. Finally, in Part Three, case studies are written up to illustrate how CBA is done, and questions for the readers and students to ponder are raised at the end of each chapter. The scope of the case studies is more than just physical infrastructures but will include public sector policies and programmes covering a host of social policies as in health, education, social welfare programmes, and the environment. For each case, there will be illustrations of the key concepts and principles of CBA used. Undertakings analyzed include: the Three Gorges Dam in China the 2008 Beijing Olympics the Costs of Global Warming the Jamuna Bridge in Bangladesh The case studies, many of which have taken or are to take place in developing countries provide a rich background to the principles of the method, and are accompanied by a wealth of explanatory material. As well as being suitable for courses in Cost-Benefit Analysis, Public Finance, Environmental and Health Economics, the book should be of interest to all public policy decision makers and planners.

This book explores recent developments in environmental cost-benefit analysis (CBA). This is defined as the application of CBA to projects or policies that have the deliberate aim of environmental improvement or are actions that affect, in some way, the natural environment as an indirect consequence

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