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## **Policy Analysis**

"Sustainability Concepts in Decision-Making: Tools and Approaches for the U.S. Environmental Protection Agency examines scientific tools and approaches for incorporating sustainability concepts into assessments used to support EPA decision making. Using specific case studies, this report considers the application of analytic and scientific tools, methods, and approaches presented in the 2011 NRC report Sustainability and the U.S. EPA. This report examines both currently available and emerging tools, methods, and approaches to find those most appropriate for assessing and/or evaluating potential economic, social and environmental outcomes within an EPA decision context. Sustainability Concepts in Decision Making also discusses data needs and post-decision evaluation of outcomes on dimensions of sustainability. A broad array of sustainability tools and approaches are suitable for assessing potential environmental, social, and economic outcomes in EPA's decision-making context."--Publisher's description.

## **Adherence to Long-term Therapies**

An in-depth assessment of the most recent conceptual and methodological developments in cost-benefit analysis and the environment.

## **Fixing Fuel Poverty**

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Policy analysis in Canada brings together original contributions from many of the field's leading scholars. Contributors chronicle the evolution of policy analysis in Canada over the past 50 years and reflect on its application in both governmental and non-governmental settings. As part of the International Library of Policy Analysis series, the book enables cross-national comparison of public policy analysis concepts and practice within national and sub-national governments, media, NGOs and other institutional settings. Informed by the latest scholarship on policy analysis, the volume is a valuable resource for academics and students of policy studies, public management, political science and comparative policy studies.

### **Renewable Fuel Standard**

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

### **Making Choices in Health**

A comprehensive and authoritative introduction to cost-benefit analysis that aims to be readable and user-friendly.

### **"Are Economists Basically Immoral?"**

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All is not well with the evaluation of government programs 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.

## **The Measurement of Environmental and Resource Values**

This book both introduces and explores the hows and whys of the practices of public policy. It provides reality-based practical advice about how to actually conduct policy analysis and demonstrate the application of advanced analytic techniques. A five-part organization emphasizes that policy analysis is client-oriented and raises ethical issues; provides rationales for public policy— describing the limitations to effective public policy and generic policy solutions; gives practical advice about implementing policy analysis; presents several examples illustrating how analysts have approached policy problems and the differences that their efforts have made; and summarizes the role and work of the analyst and

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challenges the analyst to both “do-well and do-good.” For individuals interested in policy analysis and the analytical process.

## **Cost-Benefit Analysis and the Environment Recent Developments**

## **Principles of Engineering Economics with Applications**

Covering detailed discussion of fundamental concepts of economics, the textbook commences with comprehensive explanation of theory of consumer behavior, utility maximization and optimal choice, profit function, cost minimization and cost function. The textbook covers methods including present worth method, future worth method, annual worth method, internal rate of return method, explicit re-investment rate of return method and payout method useful for studying economic studies. A chapter on value engineering discusses important topics such as function analysis systems techniques, the value index, value measurement techniques, innovative phase and constraints analysis in depth. It facilitates the understanding of the concepts through illustrations and solved problems. This text is the ideal resource for Indian undergraduate engineering students in the fields of mechanical engineering, computer science and engineering and electronics engineering for a course on engineering economics/engineering economy.

## **Corruption and Anti-corruption**

A well-trained theologian, a gifted and dedicated teacher of economics for over forty years, and the author of a highly regarded and widely used textbook, *The Economic Way of Thinking*, Paul Heyne influenced generations of students of economics. Many of the essays in this volume are published here for the first time. The editors, Geoffrey Brennan and A. M. C. Waterman, have divided Heyne's essays thematically to cover three general areas: the ethical foundations of free markets, the connection between those ethical foundations and Christian thought, and the teaching of economics--both method and substance. Heyne's writings are unique in that he takes the critics of the free market order seriously and addresses their arguments directly, showing how they are defective in their understanding of economics and in their ethical and theological underpinnings. The engaging style of Heyne's essays makes them accessible to students as well as to scholars. Even in discussions of topics well beyond the fundamental level, Heyne still succeeds in providing students with an appreciation of basic economic principles. Paul Heyne (1931-2000) taught at Valparaiso University (1957-66), Southern Methodist University (1966-76), and the University of Washington (1976-2000)

## **Third Party Funding**

In the United States, we have come to depend on plentiful and inexpensive energy to support our economy and lifestyles. In recent years, many

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questions have been raised regarding the sustainability of our current pattern of high consumption of nonrenewable energy and its environmental consequences. Further, because the United States imports about 55 percent of the nation's consumption of crude oil, there are additional concerns about the security of supply. Hence, efforts are being made to find alternatives to our current pathway, including greater energy efficiency and use of energy sources that could lower greenhouse gas (GHG) emissions such as nuclear and renewable sources, including solar, wind, geothermal, and biofuels. The United States has a long history with biofuels and the nation is on a course charted to achieve a substantial increase in biofuels. Renewable Fuel Standard evaluates the economic and environmental consequences of increasing biofuels production as a result of Renewable Fuels Standard, as amended by EISA (RFS2). The report describes biofuels produced in 2010 and those projected to be produced and consumed by 2022, reviews model projections and other estimates of the relative impact on the prices of land, and discusses the potential environmental harm and benefits of biofuels production and the barriers to achieving the RFS2 consumption mandate. Policy makers, investors, leaders in the transportation sector, and others with concerns for the environment, economy, and energy security can rely on the recommendations provided in this report.

## **A Course in Public Economics**

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An in-depth assessment of the most recent conceptual and methodological developments in cost-benefit analysis and the environment.

### **Cost-Benefit Analysis and the Environment**

Public policy is a broad and interdisciplinary area of study and research in the field tends to reflect this. Yet for those teaching and studying public policy, the disjointed nature of the field can be confusing and cumbersome. This text provides a consistent and coherent framework for uniting the field of public policy. Authors Kevin B. Smith and Christopher W. Larimer offer an organized and comprehensive overview of the core questions and concepts, major theoretical frameworks, primary methodological approaches, and key controversies and debates in each subfield of policy studies from the policy process and policy analysis to program evaluation and policy implementation. The third edition has been updated throughout to include the latest scholarship and approaches in the field, including new and expanded coverage of behavioral economics, the narrative policy framework, Fourth Generation implementation studies, the policy regime approach, field experiments, and the debate of program versus policy implementation studies. Now with an appendix of sample comprehensive exam questions, *The Public Policy Theory Primer* remains an indispensable text for the systematic study of public policy.

### **Geospatial Technologies and Homeland**

## Security

What is the effect of a new infrastructure on the well-being of a local community? Is a tax reform desirable? Does the privatization of a telecommunication provider increase social welfare? To answer these questions governments and their policy advisors should have in mind an operative definition of social welfare, and cannot rely on simple official statistics, such as GDP. The price we observe are often misleading as welfare signals, and costs and benefits for the society should be based on 'shadow prices', revealing the social opportunity costs of goods and of changes of the world. This book explains how to apply these welfare economics ideas to the real world. After a theoretical discussion of the concept of social welfare, a critical analysis of the traditional doctrine of welfare economics embodied in the Two Fundamental Theorems, and a presentation of social cost-benefit analysis, the book introduce the readers to an applied framework. This includes the empirical estimation of shadow prices of goods, of the social cost of labour and capital, the assessment of risk. This book also includes the state of the art of international experience with CBA, including ex-post evaluation of major projects, economic rates of return in different sectors, and a case study on privatisation, is presented. This book offers a unique and original blend of theory, empirics and experience. The theoretical discussion clarifies why shadow prices are not virtual market equilibrium prices, as they arise as the solution of a planning problem, often with governments and economic agents constrained in

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their information and powers. The empirical chapters show how to compute proxies of the shadow prices in simple ways. The experience chapters draw from first hand research, gained by the Author and his collaborators over many years of advisory work for the European Commission and other international and national institutions.

### **Cost Benefit Analysis**

### **Cost-Benefit Analysis for Development**

Known for encouraging step-by-step problem solving and for connecting techniques to real-world scenarios, David Ammons' *Tools for Decision Making* covers a wide range of local government practices—from the foundational to the advanced. Brief and readable, each chapter opens with a problem in a hypothetical city and then introduces a tool to address it. Thoroughly updated with new local government examples, the second edition also incorporates chapters devoted to such additional techniques as sampling analysis, sensitivity analysis, financial condition analysis, and forecasting via trend analysis. Numerous tables, figures, exhibits, equations, and worksheets walk readers through the application of tools, and boxed features throughout each chapter present other uses for techniques, helpful online resources, and common errors. A handy guide for students and an invaluable resource and reference for practitioners. Students can visit [college.cqpress.com/TDM](http://college.cqpress.com/TDM) for more opportunities to

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put these tools to use. Instructors can register for access to the solutions.

### **Ideas Are Free**

David L. Weimer assesses the implications of behavioral economics for cost-benefit analysis. The book has two major audiences. First, it provides practical guidelines for policy analysts when behavioral anomalies threaten the validity of conventionally measured benefits. Second, it identifies areas where behavioral economists can make their research more relevant to public policy.

### **Policy analysis in Canada**

This report is based on an exhaustive review of the published literature on the definitions, measurements, epidemiology, economics and interventions applied to nine chronic conditions and risk factors.

### **Transitions to Alternative Vehicles and Fuels**

The past half-century has witnessed a dramatic increase in the scale and complexity of scientific research. The growing scale of science has been accompanied by a shift toward collaborative research, referred to as "team science." Scientific research is increasingly conducted by small teams and larger groups rather than individual investigators, but the challenges of collaboration can slow these teams' progress in achieving their scientific goals. How does

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a team-based approach work, and how can universities and research institutions support teams? Enhancing the Effectiveness of Team Science synthesizes and integrates the available research to provide guidance on assembling the science team; leadership, education and professional development for science teams and groups. It also examines institutional and organizational structures and policies to support science teams and identifies areas where further research is needed to help science teams and groups achieve their scientific and translational goals. This report offers major public policy recommendations for science research agencies and policymakers, as well as recommendations for individual scientists, disciplinary associations, and research universities. Enhancing the Effectiveness of Team Science will be of interest to university research administrators, team science leaders, science faculty, and graduate and postdoctoral students.

## **The Transport System and Transport Policy**

Since its publication in the early 90s, Brenda Boardman's Fuel Poverty has been the reference text for those wishing to learn about this complex subject. In this, its successor, she turns a critical eye to the new millennium and finds that the situation, while now more widely recognised, is far from having improved. The book begins by discussing the political awakening to the issue and exploring just who constitutes the fuel poor. It examines the factors that contribute to fuel poverty - low incomes, high fuel

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prices and poor quality housing - and looks at and evaluates the policies that have been employed to help reduce the problem. The latter part presents a detailed set of proposals based around long-term improvements in the housing stock that must be employed if we are to avoid a dire situation continuing to get worse. Based on detailed analysis of the situation in the UK, the growth of fuel poverty (sometimes called energy poverty) in other countries and the new focus in European policy makes the book timely and provides important lessons for those who now have to produce policies to tackle the issues.

### **Behavioral Economics for Cost-Benefit Analysis**

This 2004 textbook explores how markets operate and governments' roles in addressing market failures.

### **What's In, What's Out**

This is textbook for university students and a manual for professionals. It gives an in-depth treatment of the theory and application of Cost-Benefit Analysis, using an integrated approach where the financial, economic, stakeholder and risk analyses are carried out in a single integrated project model. Fully developed case examples are presented for both public and public private partnership investment expenditures.

### **The Red Cross Bulletin**

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This textbook uses modern political economy to introduce students of political science, government, economics, and public policy to the politics of the policymaking process. The book's distinct political economy approach has two virtues. By developing general principles for thinking about policymaking, it can be applied across a range of issue areas. It also unifies the policy curriculum, offering coherence to standard methods for teaching economics and statistics, and drawing connections between fields. The book begins by exploring the normative foundations of policymaking—political theory, social choice theory, and the Paretian and utilitarian underpinnings of policy analysis. It then introduces game theoretic models of social dilemmas—externalities, coordination problems, and commitment problems—that create opportunities for policy to improve social welfare. Finally, it shows how the political process creates technological and incentive constraints on government that shape policy outcomes. Throughout, concepts and models are illustrated and reinforced with discussions of empirical evidence and case studies. This textbook is essential for all students of public policy and for anyone interested in the most current methods influencing policymaking today. Comprehensive approach to politics and policy suitable for advanced undergraduates and graduate students Models unify policy curriculum through methodological coherence Exercises at the end of every chapter Self-contained appendices cover necessary game theory Extensive discussion of cases and applications

## **Cost-Benefit Analysis**

In Third Party Funding, Gian Marco Solas, for the first time, describes third party funding (TPF) as stand-alone practice within the wider litigation and legal markets. The book reports on legal issues related to TPF in both common law and civil law jurisdictions, and in the international context. It then discusses the incentives and economics of TPF transactions in different legal contexts while explaining how the practice emerged and how it is likely to develop. In addition, the book offers practical insights into TPF transactions and analyzes a number of regulatory proposals that could affect its use and desirability. This work should be read by scholars, practitioners, policymakers, and anyone else interested in how TPF is changing the practice of law.

## **Public Finance in Canada**

Benefit-Cost Analysis offers the perfect introduction to benefit-cost analysis. The book closely integrates the theory and practice of benefit-cost analysis using a spreadsheet framework. The spreadsheet model is constructed in a truly original way which contributes to transparency, provides a check on the accuracy of the analysis, and facilitates sensitivity, risk and alternative scenario assessment. A case study incorporating the various issues is progressively developed on a spreadsheet with the links between each stage thoroughly explained. The complete case study spreadsheet can serve as a template for the reader's own appraisal of projects in the field. In

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addition to the worked examples in the text some exercises are appended at the end of each chapter. For further information please visit <http://www.uq.edu.au/economics/bca>

### **Cost-Benefit Analysis and the Environment Further Developments and Policy Use**

Homeland security and context In the Geographical Dimensions of Terrorism (GDOT) (Cutter et al. 2003), the first book after 9/11 to address homeland security and geography, we developed several thematic research agendas and explored intersections between geographic research and the importance of context, both geographical and political, in relationship to the concepts of terrorism and security. It is good to see that a great deal of new thought and research continues to flow from that initial research agenda, as illustrated by many of the papers of this new book, entitled Geospatial Technologies and Homeland Security: Research Frontiers and Future Challenges. Context is relevant not only to understanding homeland security issues broadly, but also to the conduct of research on geospatial technologies. It is impossible to understand the implications of a homeland security strategy, let alone hope to make predictions, conduct meaningful modeling and research, or assess the value and dangers of geospatial technologies, without consideration of overarching political, social, economic, and geographic contexts within which these questions are posed.

## **Tools for Decision Making**

Gathering the right kind and the right amount of information is crucial for any decision-making process. This book presents a unified framework for assessing the value of potential data gathering schemes by integrating spatial modelling and decision analysis, with a focus on the Earth sciences. The authors discuss the value of imperfect versus perfect information, and the value of total versus partial information, where only subsets of the data are acquired. Concepts are illustrated using a suite of quantitative tools from decision analysis, such as decision trees and influence diagrams, as well as models for continuous and discrete dependent spatial variables, including Bayesian networks, Markov random fields, Gaussian processes, and multiple-point geostatistics. Unique in scope, this book is of interest to students, researchers and industry professionals in the Earth and environmental sciences, who use applied statistics and decision analysis techniques, and particularly to those working in petroleum, mining, and environmental geoscience.

## **The Economics of Climate Change**

Non-market valuation is becoming increasingly accepted as an evaluative tool of economics related to environmental and resource protection. Freeman (economics, Bowdoin College) presents an overview of the literature, introducing the principal methods and techniques of resource valuation. Chapters cover the measurement of welfare changes, revealed and

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stated preference models, nonuse models, aggregation of values across time, environmental quality as factor input, longevity and health valuation, property value models, hedonic wage models, and recreational uses of natural resource systems. Annotation (c)2003 Book News, Inc., Portland, OR (booknews.com).

## **Legal Information Buyer's Guide and Reference Manual**

For a century, almost all light-duty vehicles (LDVs) have been powered by internal combustion engines operating on petroleum fuels. Energy security concerns about petroleum imports and the effect of greenhouse gas (GHG) emissions on global climate are driving interest in alternatives. Transitions to Alternative Vehicles and Fuels assesses the potential for reducing petroleum consumption and GHG emissions by 80 percent across the U.S. LDV fleet by 2050, relative to 2005. This report examines the current capability and estimated future performance and costs for each vehicle type and non-petroleum-based fuel technology as options that could significantly contribute to these goals. By analyzing scenarios that combine various fuel and vehicle pathways, the report also identifies barriers to implementation of these technologies and suggests policies to achieve the desired reductions. Several scenarios are promising, but strong, and effective policies such as research and development, subsidies, energy taxes, or regulations will be necessary to overcome barriers, such as cost and consumer choice.

## **Political Economy for Public Policy**

### **Social cost-benefit analysis in Australia and New Zealand**

Vaccinate children against deadly pneumococcal disease, or pay for cardiac patients to undergo lifesaving surgery? Cover the costs of dialysis for kidney patients, or channel the money toward preventing the conditions that lead to renal failure in the first place? Policymakers dealing with the realities of limited health care budgets face tough decisions like these regularly. And for many individuals, their personal health care choices are equally stark: paying for medical treatment could push them into poverty. Many low- and middle-income countries now aspire to universal health coverage, where governments ensure that all people have access to the quality health services they need without risk of impoverishment. But for universal health coverage to become reality, the health services offered must be consistent with the funds available—and this implies tough everyday choices for policymakers that could be the difference between life and death for those affected by any given condition or disease. The situation is particularly acute in low- and middle income countries where public spending on health is on the rise but still extremely low, and where demand for expanded services is growing rapidly. What's In, What's Out: Designing Benefits for Universal Health Coverage argues that the creation of an explicit health benefits plan—a defined list of services that

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are and are not available—is an essential element in creating a sustainable system of universal health coverage. With contributions from leading health economists and policy experts, the book considers the many dimensions of governance, institutions, methods, political economy, and ethics that are needed to decide what's in and what's out in a way that is fair, evidence-based, and sustainable over time.

### **ERISA Practice & Litigation**

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

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main reference material for conduct of economic analysis.

### **Value of Information in the Earth Sciences**

"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).

### **Informing an Effective Response to Climate Change**

### **Applied Welfare Economics**

Corruption and Anti-Corruption deals with the international dimensions of corruption, including campaigns to recover the assets of former dictators, and the links between corruption, transnational and economic crime. It deals with corruption as an issue in political theory, and shows how it can be addressed in campaigns for human rights. It also presents case studies of reform efforts in Philippines, India and Thailand. The book explains the doctrines of a well-established domestic anticorruption agency. It is

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based on research to develop a curriculum for a unique international training course on 'Corruption and Anti-Corruption', designed and taught by academics at The Australian National University, the Australian Institute of Criminology and public servants in the New South Wales Independent Commission Against Corruption.

### **Cost-Benefit Analysis for Investment Decisions**

There is now clear scientific evidence that emissions from economic activity, particularly the burning of fossil fuels for energy, are causing changes to the Earth's climate. A sound understanding of the economics of climate change is needed in order to underpin an effective global response to this challenge. The Stern Review is an independent, rigorous and comprehensive analysis of the economic aspects of this crucial issue. It has been conducted by Sir Nicholas Stern, Head of the UK Government Economic Service, and a former Chief Economist of the World Bank. The Economics of Climate Change will be invaluable for all students of the economics and policy implications of climate change, and economists, scientists and policy makers involved in all aspects of climate change.

### **Enhancing the Effectiveness of Team Science**

The market-leading book takes its readers to the frontiers of current research, yet remains accessible to

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undergraduates. Although it draws upon the latest research, the book never loses sight of the reality it is supposed to describe, always drawing the links between economic analysis and current political issues.

### **The Public Policy Theory Primer**

Ô This very interesting book provides an excellent multi-disciplinary introduction into the functioning of transport systems and the interaction with their environments. Ò ð Erik Verhoef, VU University Amsterdam, The Netherlands Ô The editors of this important book have clearly identified that few writings on transport treat the transport system as a whole. Implicit in this is a need for a genuinely multidisciplinary approach. An impressive list of contributors ensures that the book draws on the latest research whilst providing new insights into some of the key challenges facing transport students and researchers, transport providers and policy makers. Ò ð Roger Vickerman, University of Kent, UK Ô Since ancient times transportation has brought our world together. But the need for connectivity and accessibility in a spatially differentiated world has prompted the emergence of very complex transportation systems. This book offers a fresh and operational contribution to a better understanding of the complexity and manageability of a mobile world, by addressing in a balanced way both conceptual and applied or policy aspects of modern transportation systems. Ò ð Peter Nijkamp, Free University of Amsterdam, The Netherlands Transport impacts on

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people and businesses in many different ways, and presents some of the key problems that decision-makers need to address. This comprehensive textbook introduces the transport system in a holistic and multidisciplinary way, bringing together the myriad components of transport. This textbook is written for an international readership of undergraduate and postgraduate students in transport and related subjects, as well as for professionals and policy decision-makers across both public and private sectors. Key features include:

- ¥ Discussion of the importance of transport accessibility and the impacts of transport on the environment and safety
- ¥ Policy issues relating to all of the discussed issues and prescribed future options.
- ¥ Transport evaluation methods and modelling approaches.
- ¥ Examples to highlight the linkages between components of the transport system
- Đ for example infrastructures, land-use, vehicle technologies
- Đ and the relevance of these linkages for decision making.

## **Sustainability Concepts in Decision-Making**

Global climate change is one of America's most significant long-term policy challenges. Human activity--especially the use of fossil fuels, industrial processes, livestock production, waste disposal, and land use change--is affecting global average temperatures, snow and ice cover, sea-level, ocean acidity, growing seasons and precipitation patterns, ecosystems, and human health. Climate-related decisions are being carried out by almost every

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agency of the federal government, as well as many state and local government leaders and agencies, businesses and individual citizens. Decision makers must contend with the availability and quality of information, the efficacy of proposed solutions, the unanticipated consequences resulting from decisions, the challenge of implementing chosen actions, and must consider how to sustain the action over time and respond to new information. Informing an Effective Response to Climate Change, a volume in the America's Climate Choices series, describes and assesses different activities, products, strategies, and tools for informing decision makers about climate change and helping them plan and execute effective, integrated responses. It discusses who is making decisions (on the local, state, and national levels), who should be providing information to make decisions, and how that information should be provided. It covers all levels of decision making, including international, state, and individual decision making. While most existing research has focused on the physical aspect of climate change, Informing an Effective Response to Climate Change employs theory and case study to describe the efforts undertaken so far, and to guide the development of future decision-making resources. Informing an Effective Response to Climate Change offers much-needed guidance to those creating public policy and assists in implementing that policy. The information presented in this book will be invaluable to the research community, especially social scientists studying climate change; practitioners of decision-making assistance, including advocacy organizations, non-profits, and government agencies; and college-level

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teachers and students.

### **Benefit-Cost Analysis**

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