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KEY=GLOBAL - YULIANA LYNN

DRAWDOWN

THE MOST COMPREHENSIVE PLAN EVER PROPOSED TO REVERSE GLOBAL WARMING

Penguin UK NEW YORK TIMES BESTSELLER For the first time ever, an international coalition of leading researchers, scientists and policymakers has come together to offer a set of realistic and bold solutions to climate change. All of the techniques described here - some well-known, some you may have never heard of - are economically viable, and communities throughout the world are already enacting them. From revolutionizing how we produce and consume food to educating girls in lower-income countries, these are all solutions which, if deployed collectively on a global scale over the next thirty years, could not just slow the earth's warming, but reach drawdown: the point when greenhouse gasses in the atmosphere peak and begin to decline. So what are we waiting for?

CAUSES, IMPACTS AND SOLUTIONS TO GLOBAL WARMING

Springer Global Warming: Causes, Impacts and Solutions covers all aspects of global warming including its causes, impacts, and engineering solutions. Energy and environment policies and strategies are scientifically discussed to expose the best ways to reduce global warming effects and protect the environment and energy sources affected by human activities. The importance of green energy consumption on the reduction of global warming, energy saving and energy security are also discussed. This book also focuses on energy management and conservation strategies for better utilization of energy sources and technologies in buildings and industry as well as ways of improving energy efficiency at the end use, and introduces basic methods for designing and sizing cost-effective systems and determining whether it is economically efficient to invest in specific energy efficiency or renewable energy projects, and describes energy audit producers commonly used to improve the energy efficiency of residential and commercial buildings as well as industrial facilities. These features and more provide the tools necessary to reduce global warming and to improve energy management leading to higher energy efficiencies. In order to reduce the negative effects of global warming due to excessive use of fossil fuel technologies, the following alternative technologies are introduced from the engineering perspective: fuel cells, solar power generation technologies, energy recovery technologies, hydrogen energy technologies, wind energy technologies, geothermal energy technologies, and biomass energy technologies. These technologies are presented in detail and modeling studies including case studies can also be found in this book.

A TO K

GLOBAL WARMING IS THE SOLUTION

"If global warming is the solution, then what is the problem? This study supports the notion that the current global temperature of 1.3 degrees Celsius is not significantly high. In contrast, it is 10.2 degrees lower than expected. That thermal gap could cause a catastrophic increase in temperature without any further increase in carbon dioxide. The proposed bilateral climate-change-hypothesis explains the thermal gap. It holds that we live in a glacial era and that artificial carbon dioxide increases the low natural temperature by trapping solar heat. Those two opposing forces increase the thermal range, while maintaining the thermal average."-- Page 2.

AIR POLLUTION AND GLOBAL WARMING

HISTORY, SCIENCE, AND SOLUTIONS

Cambridge University Press New edition of introductory textbook, ideal for students taking a course on air pollution and global warming, whatever their background. Comprehensive introduction to the history and science of the major air pollution and climate problems facing the world today, as well as energy and policy solutions to those problems.

COOL ENERGY

THE RENEWABLE SOLUTION TO GLOBAL WARMING: A REPORT BY THE UNION OF CONCERNED SCIENTISTS

Island Press

THE SOLUTION TO GLOBAL WARMING AND CLIMATE CHANGE

WATER STORAGE ECONOMIES FOR ALL COUNTRIES

CONVENIENT SOLUTIONS TO AN INCONVENIENT TRUTH

ECOSYSTEM-BASED APPROACHES TO CLIMATE CHANGE

World Bank Publications Global warming and changes in climate will have severe and lasting impacts on national efforts to alleviate poverty and promote sustainable development. Some of the world's poorest countries and communities are the most vulnerable and are already suffering the consequences. Yet often these countries are rich in natural capital, ecosystems, and biodiversity that can contribute to solutions as they can to climate change. Biodiversity is the foundation and mainstay of agriculture, forests, and fisheries. Biological resources provide the raw materials for livelihoods, agriculture, medicines, trade, tourism, and industry. Forests, grasslands, freshwater, and marine and other natural ecosystems provide a range of services, often not recognized in national economic accounts but vital to human welfare: regulating water flows and water quality, flood control, pollination, decontamination, carbon sequestration, soil conservation, and nutrient and hydrological cycling. Current efforts to address climate change focus mainly on reducing emissions of greenhouse gases, mainly through cleaner energy strategies, and on attempting to reduce vulnerability of the communities at risk by improving infrastructure to meet new energy and water needs. This book sets out a compelling argument for including ecosystem-based approaches to mitigation and adaptation as a third essential pillar in national strategies to address climate change. Such ecosystem-based strategies can offer cost-effective, proven and sustainable solutions contributing to, and complementing, other national and regional adaptation strategies.

CLIMATE CHANGE

SCIENCE, STRATEGIES, & SOLUTIONS

BRILL It is the greatest environmental challenge of the 21st Century. But what do we truly know about global climate change? And what can we do about it? Most of the world's top scientists agree that emissions of carbon dioxide and other greenhouse gases from human activities such as industrial processes, fossil fuel combustion, and land-use changes are causing the earth to get warmer. Impacts of this warming may include damage to our coastal areas, accelerated rates of species loss, altered agricultural patterns, and increased incidences of infectious diseases. The effects of climate change - and efforts to mitigate climate change - could also have substantial economic ramifications. The book presents the latest research and analysis from prominent scientists, economists, academics, and policy-makers, including: "Tom Wigley" and "Joel Smith," who, along with other authors of the Science and Impacts chapter, explain the basic science of climate change, the growing evidence that human activities are changing our climate, and the impacts of these changes; "Eileen Claussen," "John Gummer," "Henry Lee," and other authors of the Global Strategies chapter, who describe what nations are or are not doing to address climate change, and the state of international climate talks; "Robert Stavins," "John Weyant," "Ev Ehrlich," and other economists, who explain why economic analyses of climate policy are conducted, why the projected costs of addressing climate change vary so widely among economic models, and how changes driven by today's economy can influence climate policy; "Gov. Jean Shaheen" and other authors of the Innovative Solutions chapter, who describe what state and local governments in the United States and multinational companies are doing to monitor and curb greenhouse gas emissions; and "Forest Reinhardt," who offers business leaders advice on steering their companies on a path that is healthy for business as well as the global climate. This publication has also been published in paperback, please click here for details.

A GLOBAL WARMING PRIMER

ANSWERING YOUR QUESTIONS ABOUT THE SCIENCE, THE CONSEQUENCES, AND THE SOLUTIONS

Is human-induced global warming a real threat to our future? Most people will express an opinion on this question, but relatively few can back their opinions with solid evidence. Many times we've even heard pundits say "I am not a scientist" to avoid the issue altogether. But the truth is, the basic science is not that difficult. Using a question and answer format, this book will help readers achieve three major goals: To see that anyone can understand the basic science of global warming; To understand the arguments about this issue made by skeptics, so that readers will be able to decide for themselves what to believe; To understand why, despite the "gloom and doom" that often surrounds this topic, the solutions are ones that will not only protect the world for our children and grandchildren, but that will actually lead us to a stronger economy with energy that is cheaper, cleaner, and more abundant than the energy we use today.

HEMP FOR VICTORY: A GLOBAL WARMING SOLUTION

Lulu.com

GEOENGINEERING OF THE CLIMATE SYSTEM

Royal Society of Chemistry It is generally accepted within the scientific community that anthropogenic emissions of greenhouse gases are primarily responsible for a recent warming in global climate and that current trajectories of emissions may lead to potentially catastrophic changes in climate. While reduction in emissions of greenhouse gases, and particularly carbon dioxide, could lead to a stabilisation of global temperatures, this requires international agreements which have yet to be achieved. A possible alternative, which has been widely mooted is to use methods known as geoengineering as an alternative way of limiting increases in global temperature. Geoengineering techniques fall into two main categories of carbon dioxide removal and solar radiation management; within each of these there are a number of options. Following on from "Carbon Capture" (volume 29 in this series), Geoengineering of the Climate System presents an overview of the technologies currently being considered as large scale solutions to climate change, and considers some of the possible benefits and disadvantages of each. Invited contributions have been received by many of the leading experts on these technologies, and the volume provides a comprehensive overview of both carbon dioxide reduction and solar

radiation management methods. These give rise to important ethical and governance issues which are also explored. Written with active researchers, postgraduate students and policy-makers in mind, the latest addition to the Issues in Environmental Science & Technology series presents a balanced and informed view of this important field of research and is an essential addition to any environmental science library.

COOL ENERGY

THE RENEWABLE SOLUTION TO GLOBAL WARMING

SOLUTIONS TO GLOBAL WARMING

SOME QUESTIONS AND ANSWERS

TIME GLOBAL WARMING (REVISED AND UPDATED)

THE CAUSES, THE PERILS, THE SOLUTIONS

Time Planet Earth is heating up, and so is the debate over why our climate is changing and what it means for the future of our energy sources, of our cities, of our children. Now TIME explores the science of global warming in an illuminating, beautifully illustrated book that ranges from polar ice caps to equatorial rainforests. Here are the scientists who are working to measure and counter the warming trend; here are the world's most endangered habitats and creatures; here are various scenarios for the future. Separating truth from fantasy, TIME brings a cool eye to one of today's hottest issues. Updated and revised from the 2007 classic, this edition will be packed with new information and learning from the past five years.

FIGHTING GLOBAL WARMING

A PROFITABLE ENERGY SOLUTION

CLIMATE CHANGE

EVIDENCE AND CAUSES

National Academies Press Climate Change: Evidence and Causes is a jointly produced publication of The US National Academy of Sciences and The Royal Society. Written by a UK-US team of leading climate scientists and reviewed by climate scientists and others, the publication is intended as a brief, readable reference document for decision makers, policy makers, educators, and other individuals seeking authoritative information on some of the questions that continue to be asked. Climate Change makes clear what is well-established and where understanding is still developing. It echoes and builds upon the long history of climate-related work from both national academies, as well as on the newest climate-change assessment from the United Nations' Intergovernmental Panel on Climate Change. It touches on current areas of active debate and ongoing research, such as the link between ocean heat content and the rate of warming.

GLOBAL WARMING AND THE POLITICAL ECOLOGY OF HEALTH

EMERGING CRISES AND SYSTEMIC SOLUTIONS

Routledge In this groundbreaking, global analysis of the relationship between climate change and human health, Hans Baer and Merrill Singer inventory and critically analyze the diversity of significant and sometimes devastating health implications of global warming. Using a range of theoretical tools from anthropology, medicine, and environmental sciences, they present ecosyndemics as a new paradigm for understanding the relationship between environmental change and disease. They also go beyond the traditional concept of disease to examine changes in subsistence and settlement patterns, land-use, and lifeways, throwing the sociopolitical and economic dimensions of climate change into stark relief. Revealing the systemic structures of inequality underlying global warming, they also issue a call to action, arguing that fundamental changes in the world system are essential to the mitigation of an array of emerging health crises link to anthropogenic climate and environmental change.

ENERGY SOLUTIONS TO COMBAT GLOBAL WARMING

Springer This book gathers an in-depth collection of 45 selected papers presented at the Global Conference on Global Warming 2014 in Beijing, China, covering a broad variety of topics from the main principles of thermodynamics and their role in design, analysis, and the improvements in performance of energy systems to the potential impact of global warming on human health and wellbeing. Given energy production's role in contributing to global warming and climate change, this work provides solutions to global warming from the point of view of energy. Incorporating multi-disciplinary expertise and approaches, it provides a platform for the analysis of new developments in the area of global warming and climate change, as well as potential energy solutions including renewable energy, energy efficiency, energy storage, hydrogen production, CO2 capture and environmental impact assessment. The research and analysis presented herein will benefit international scientists, researchers, engineers, policymakers and all others with an interest in global warming and its potential solutions.

GLOBAL WARMING

REALITIES, ROOT-CAUSE ANALYSIS AND A HAPPY SOLUTION

STOP GLOBAL WARMING

THE SOLUTION IS YOU! AN ACTIVIST'S GUIDE: EASYREAD LARGE EDITION

Readhowyouwant In accessible and inspiring prose, leading environmental activist Laurie David explains why global warming is the most urgent issue facing our planet. Newly revised and updated, Stop Global Warming turns headlines into action, providing testimony of David's own grassroots efforts to sound the alarm for the American people. Rousing statements from those who have joined her Virtual March to Stop Global Warming, including Governor Arnold Schwarzenegger, Leonardo DiCaprio, Walter Cronkite, Laird Hamilton, and many others, show that this issue transcends age, gender, and political classification. Required reading for the preservation of the twenty-first century, Stop Global Warming is an important book that will bring out the activist in everyone and inspire all who read it to do something - today. "We must act now with the rest of the world to curb emissions so that we can leave our children a safer, healthier planet." - Senator Barack Obama "The longer we wait, the more difficult it will be to mitigate the effects of climate change. Are we going to hand our children and grandchildren a world vastly different from the one that we now inhabit?" - Senator John McCain

GLOBAL WARMING

REALITIES, ROOT-CAUSE ANALYSIS, AND A HAPPY SOLUTION

CreateSpace This updated and expanded second edition of the Global Warming: Realities, Root-cause Analysis, and a Happy Solution provides a user-friendly introduction to the subject. Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject. We hope you find this book useful in shaping your future career & Business. Feel free to send us your inquiries related to our publications to info@pwpublishers.pw

SOLUTIONS FOR CLIMATE CHANGE CHALLENGES IN THE BUILT ENVIRONMENT

John Wiley & Sons The multi-disciplinary perspective provided here offers a strategic view on built environment issues and improve understanding of how built environment activities potentially induce global warming and climate change. It also highlights solutions to these challenges. Solutions to Climate change Challenges in the Built Environment helps develop an appreciation of the diverse themes of the climate change debate across the built environment continuum. A wide perspective is provided through contributions from physical, environmental, social, economic and political scientists. This strategic view on built environment issues will be useful to researchers as well as policy experts and construction practitioners wanting a holistic view. This book clarifies complex issues around climate change and follows five main themes: climate change experiences; urban landscape development; urban management issues; measurement of impact; and the future. Chapters are written by eminent specialists from both academic and professional backgrounds. The main context for chapters is the developed world but the discussion is widened to incorporate regional issues. The book will be valuable to researchers and students in all the built environment disciplines, as well as to practitioners involved with the design, construction and maintenance of buildings, and government organisations developing and implementing climate change policy.

THE CLEAN DEVELOPMENT MECHANISM

A SOLUTION TO THE GLOBAL WARMING CRISIS

GLOBAL WARMING: THE ANSWER

(THE ENERGY DIVIDEND)

Author House "Global Warming: The Answer" takes as given that global warming is man-made and occurring with increasingly adverse effects. After a brief review of the carbon cycle (and how man is disturbing it), the book argues that global warming is an economic problem: Given the right prices, technical solutions will follow. After looking at the (limited) solutions for "personal virtue" in reducing pollution, the book examines the chimera of "a carbon neutral life-style," and necessity to achieve a fossil-free economy. Cap and Trade is shown to involve huge wealth transfers to established polluters, and is thus rejected in favor of a "revenue neutral, carbon tax." More specifically an initial carbon tax of \$250 ton, with the revenue returned the public through lowered payroll taxes in the U.S. (or V.A.T. or sales taxes elsewhere). Existing and pending technologies that will take-off once fossil fuels are taxed are reviewed, as are ancillary policies in support of the carbon tax. Some suggestions are offered for increasing international collaboration. It is emphasized however that to date no significant action has been take to combat global warming: Kyoto, higher mileage requirements, and An Inconvenient Truth notwithstanding. Action is urgent! But first the public have to understand the answer to global warming.

GLOBAL WARMING AND ITS SOLUTION

SUSTAINABLE ENERGY

DRAWDOWN

THE MOST COMPREHENSIVE PLAN EVER PROPOSED TO REVERSE GLOBAL WARMING

Penguin • New York Times bestseller • The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world "At this point in time, the Drawdown book is exactly what is needed; a

credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope.” —Per Espen Stoknes, Author, *What We Think About When We Try Not To Think About Global Warming* “There’s been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom.” —David Roberts, *Vox* “This is the ideal environmental sciences textbook—only it is too interesting and inspiring to be called a textbook.” —Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here—some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth’s warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

COOL NEWS

COOL SOLUTIONS FOR GLOBAL WARMING

THE CLIMATE CHALLENGE

101 SOLUTIONS TO GLOBAL WARMING

New Society Publishers Immediate and practical climate change solutions for everyone.

GLOBAL WARMING

THE CAUSES, CONSEQUENCES AND SOLUTIONS

Independently Published PreambleGlobal warming is the phenomenon of increasing average ocean and atmospheric temperatures due to excessive greenhouse gas emissions. These emissions exceed the absorption capacity of the oceans and the biosphere and increase the greenhouse effect, which traps heat at the earth's surface. The term "global warming" more commonly refers to the global warming observed since the beginning of the 20th century, while the term "climate change" refers more to the naturally occurring warming or cooling episodes that occurred before the industrial era. In 1988, the UNO (organization of the united nations) created the Intergovernmental Panel on Climate Change (IPCC) to synthesize scientific studies on the climate. In its fourth report from 2007, in which more than 2,500 scientists from 130 countries participated, the IPCC asserts that global warming since 1950 is "very likely" due to the increase in anthropogenic greenhouse gases (related to human activities). The conclusions of the IPCC have been endorsed by more than forty scientific societies and academies of sciences, including all the national academies of sciences of the major industrialized countries. The degree of certainty was changed to "extremely likely" in the 2014 Fifth Report. The latest IPCC projections are that the earth's surface temperature could rise an additional 1.1 to 6.4 ° C over the course of the 21st century. The differences between these projections come from the different sensitivities of the models for greenhouse gas concentrations and the different scenarios of future emissions. Most studies have chosen 2100 as the horizon, but warming is expected to continue beyond that because, even if all emissions suddenly stopped, the oceans having already stored a lot of heat, carbon sinks need to be restored, and the the lifespan of carbon dioxide and other greenhouse gases in the atmosphere is long. Uncertainties remain about the extent and geography of future warming, due to the precision of the models, the unpredictability of volcanism, but also variable state and individual behavior (present and future). The socioeconomic, political, health, environmental, even geopolitical or moral issues being major, they give rise to numerous debates, at the international level, as well as controversies. Nevertheless, since 2000, a consensus has emerged that the effects of global warming are already being felt significantly, that they should increase in the medium and long term and that they would be irreversible except for concerted actions, local as well as planetary. Amor Abbassi

THE NEMONIK TRUTH

GLOBAL WARMING IS THE SOLUTION (ABRIDGED)

MANAGING GLOBAL WARMING

AN INTERFACE OF TECHNOLOGY AND HUMAN ISSUES

Academic Press *Managing Global Warming: An Interface of Technology and Human Issues* discusses the causes of global warming, the options available to solve global warming problems, and how each option can be realistically implemented. It is the first book based on scientific content that presents an overall reference on both global warming and its solutions in one volume. Containing authoritative chapters written by scientists and engineers working in the field, each chapter includes the very latest research and references on the potential impact of wind, solar, hydro, geo-engineering and other energy technologies on climate change. With this wide ranging set of topics and solutions, engineers, professors, leaders and policymakers will find this to be a valuable handbook for their research and work. Presents chapters that are accompanied by an easy reference summary Includes up-to-date options and technical solutions for global warming through color imagery Provides up-to-date information as presented by a collection of renowned global experts

GLOBAL WARMING

PERSONAL SOLUTIONS FOR A HEALTHY PLANET

St. Martin's Press Global warming is the greatest environmental threat facing humanity. From killer heat waves and increasingly violent weather to the spread of pests and vector-borne diseases, global warming has many effects on our lives. While some are positive, most are negative. People fear potentially catastrophic consequences but there is a disturbing lack of understanding about global warming and what can be done about it. In Global Warming Chris Spence breaks through the jargon, offering readers both a clear description of the problem and a practical guide to solutions, from decreasing reliance on automobiles to increased recycling to political activism. It offers hope that each of us can be doing something to solve the problem and encourages us to act--not only for ourselves, but for our children and grandchildren.

GLOBAL WARMING

THE SCIENTIFIC GREEN SOLUTION TO THIS WORLD CRISIS

Whereas there is a plethora of programmes and publications about THE PROBLEM of global warming, this book provides THE SOLUTION. As time passes, the urgency, the relevance and the importance of THE SOLUTION embodied in this book increase. FOREWORD by an Adviser to U.S. government Nobel laureate professor emeritus. Endorsed by a Fellow of the (U.K.) Royal Society; and by eminent authors, academics, doctors and judges (U.S. & U.K.). Mortal, catastrophic weather progressively worsens from atmospheric warming caused by CO2 emitted by fossils misused as fuel. The unprecedented (new) formulation in this book proves not only that 1. the energy alternative to nuclear power and the fossils (oil, coal) already exists, but also that 2. it is non-polluting, and that 3. it comprises the cheapest fuel-energy known to mankind. Multiple-thousands of recent human fatalities, destruction of animals, crops and property are attributable to Global Warming's floods, hurricanes and drought. The formulation given in this book shows that the warming caused by misuse of fossils has been and continues to be totally avoidable and unnecessary. This book lays bare the ulterior (i.e. covert, corrupt) money-motive of corporate groups and politicians who have so far stood in the way of this SOLUTION's adoption. It is unforgivable for politicians to have exacerbated Global Warming by their continuing worldwide obstruction of the implementation of this SOLUTION. They endanger all by prolonging and intensifying Global Warming. This indictment of politicians entails their culpability for mortalities (homicide) and disasters worldwide, constituting crime of global enormity. This book contains what every responsible adult should know and militates on behalf of people interested in making and keeping our environment fit for humans and animals to live in. Its factual exposition provides the immediate SOLUTION to Global Warming and indicts politicians' betrayal and criminal dereliction. THE SCIENTIFIC SOLUTION TO GLOBAL WARMING in contexts of: AGRICULTURE (FOOD)/ ECOLOGY/ ECONOMICS & FUEL TECHNOLOGY/ ENVIRONMENT/ GENERAL KNOWLEDGE/ LAW/ POLITICS.

GLOBAL WARMING

A PERSONAL GUIDE TO CAUSES AND SOLUTIONS

Lifelong Learning Systems

GLOBAL WARMING SOLUTIONS

A CONCERNED CITIZEN'S GUIDE TO CLIMATE PROTECTION

FIRST IN EMISSIONS, BEHIND IN SOLUTIONS

GLOBAL WARMING POLLUTION FROM U.S. STATES COMPARED TO MORE THAN 150 DEVELOPING COUNTRIES

NEW ENGLAND'S GLOBAL WARMING SOLUTIONS

A STUDY

GLOBAL WARMING

A CHRISTIAN APPROACH

Xlibris Corporation It is not an incongruous analogy with human disease to trace the historical root of the problem of global warming. Global warming outwardly appears as an environmental problem of the planet Earth. However, we cannot understand and take an appropriate approach to the problem without any reference to the origin and nature of our planet. The contextual work of the whole picture and underlying problem is the planet Earth. Some deny the reality of global warming and man's contribution to it. Some see global warming and natural disasters as natural cycle consistent with the nature of our physical world. These are questions we should ask: Is global warming natural and an essential part of planet Earth? Is it a symptom of a serious, invisible condition of the earth? We seek an answer from two representative accounts of the origin of things, the big bang theory and creationism as described in the Bible. Many scientists claim that the rise in atmospheric temperature leading to global warming is due to the effect of carbon dioxide and other heat-trapping greenhouse gases. The gases are emitted into the atmosphere through the heavy use or burning of fossil fuels and through the deforestation. The United Nations (UN) believes that global warming is responsible for the melting glaciers and the natural disasters of floods, droughts, heat storms, and the list goes on. While the UN aims to reduce emissions of greenhouse gases, the World Council of Churches (WCC) is concerned with ethical issues arising from the effects of natural disasters, particularly on poor nations. Unfortunately, the two organizations are so focused on their respective areas of interest that they cannot see the forest for the trees. The UN is convinced that human activities are to blame for climate change. This august body is leading the war

against global warming and advocating a long-term solution through the regulation of greenhouse gas emissions, the production of clean technology, and tough energy-efficiency standards for all nations. However, it is not the amount of carbon dioxide and other greenhouse gases in the atmosphere that pose the greatest danger for our planet. The role of man, the heavy use and burning of fossil fuels and deforestation, and the motivation behind these man-made activities should be taken into consideration. This book affirms with human activity and its motivation that the problem of global warming is both moral and environmental. Therefore, the fight against global warming requires a two-front approach that recognizes its environmental and moral factors. The big bang theory is one of the theories about the origin of our universe. It is considered a contrast to the biblical account of creation. Our overview of the two different accounts of the origin of things is intended to provide a broader and objective consideration of the planet Earth in regard to the issue of global warming. From a layman's understanding of the big bang theory, the universe began billions of years ago. A small infinitely hot and dense matter inflated and expanded to the size of our current universe. The hot universe cooled to retain its current temperature. The inflation and eruption effect of the big bang led to the formation of stars and galaxies. The theory claims that the combination of the nuclei of the stars turned into hydrogen and helium, causing complex elements that eventually prepared the way through millions of years for the emergence of the sun, earth, and humans. Proponents of this theory also claim that the stars produced the atoms found in humans. The theory implicitly credits the stars for human life and existence, thus making the big bang the master creator and source of the universe and all of life. Based on the inherent nature of the big bang and its product, one would expect a direct in

GENERATION US

THE CHALLENGE OF GLOBAL WARMING

Orca Book Publishers Offers an introduction to the causes and effects of global warming, considers reasons for denying its existence, and discusses the threat it presents for the future and some possible solutions.