

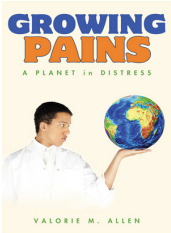
BOOKS RELATED TO THE ENERGY THEME:



CRADLE TO CRADLE: Remaking the Way We Make Things

by Michael Braungart
ISBN # 978-0865475878

A manifesto for a radically different philosophy and practice of manufacture and environmentalism. "Reduce, reuse, recycle" urge environmentalists; in other words, do more with less in order to minimize damage. As William McDonough and Michael Braungart argue in their provocative, visionary book, however, this approach perpetuates a one-way, "cradle to grave" manufacturing model that dates to the Industrial Revolution and casts off as much as 90 percent of the materials it uses as waste, much of it toxic. Why not challenge the notion that human industry must inevitably damage the natural world, they ask. In fact, why not take nature itself as our model? A tree produces thousands of blossoms in order to create another tree, yet we do not consider its abundance wasteful but safe, beautiful, and highly effective; hence, "waste equals food" is the first principle the book sets forth. Products might be designed so that, after their useful life, they provide nourishment for something new—either as "biological nutrients" that safely re-enter the environment or as "technical nutrients" that circulate within closed-loop industrial cycles, without being "downcycled" into low-grade uses (as most "recyclables" now are). Elaborating their principles from experience (re)designing everything from carpeting to corporate campuses, the authors make an exciting and viable case for change.



GROWING PAINS: A Planet in Distress

by Valorie Allen
ISBN# 978-1450204279
iUniverse (2010)

Each day we share the earth and its resources with a quarter million more people than the day before. Our population is increasing by three people per second, with a growth rate of more than 80 million each year. Today's grand total is about 6.5 billion and is expected to reach between 8 and 11 billion by 2050. In *Growing Pains*, author Valorie Allen addresses this stunning population growth and its negative impact on the environment. Presenting sound facts and data, Allen discusses the breadth of the dilemma, its contributing factors, and why we should be concerned. *Growing Pains* demystifies the causes and consequences of the population growth and proposes simple and practical solutions. Our life-support system cannot keep up with the fast-growing human population, and this causes tremendous growing pains. The only way to ease the pain is to stop growing. *Growing Pains* is a passionate appeal to stop the insanity of overpopulation and change the destiny for the sake of future generations.

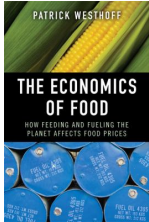


MORE: Population, Nature and What Women Want

by Robert Engelman
ISBN# 978-1597260190
Island Press (2008)

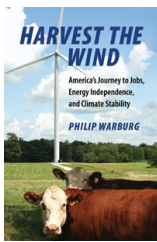
In the capital of Ghana, a teenager nicknamed "Condom Sister" trolls the streets to educate other young people about contraception. Her work and her own aspirations point to a remarkable shift not only in the West African nation, where just a few decades ago women had nearly seven children on average, but around the globe. While world population continues to grow, family size keeps dropping in countries as diverse as Switzerland and South Africa.

The phenomenon has some lamenting the imminent extinction of humanity, while others warn that our numbers will soon outgrow the planet's resources. Robert Engelman offers a decidedly different vision—one that celebrates women's widespread desire for smaller families. Mothers aren't seeking more children, he argues, but more for their children. If they're able to realize their intentions, we just might suffer less climate change, hunger, and disease, not to mention sky-high housing costs and infuriating traffic jams.



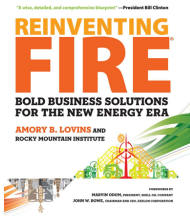
THE ECONOMICS OF FOOD: How Feeding and Fueling the Planet Affects Food Prices
by Patrick Westhoff
ISBN#978-0137006106
FT Press (March 15, 2010)

Over the past two years, food prices have soared -- and plummeted. As crops are increasingly shifted to biofuel production, will food prices soar again? Will people starve as a result? What are the hidden relationships between the food on your plate and the gas in your car? Will economic recovery lead directly to massive price inflation in both food and energy? In this book, one of the world's leading experts untangles the complex global relationships between food, energy, and economics and helps readers come to their own conclusions about the future of food. Pat Westhoff reveals what really causes large swings in food prices and what is likely to cause them to rise and fall in the future. Westhoff discusses all the factors that drive changes in the cost of food: not just biofuel production, but also weather, income growth, exchange rates, energy prices, government policies, market speculation, and more. Next, he walks through several of the most likely scenarios for the future, offering insights that will be indispensable to consumers, commodity speculators, and policymakers alike.



HARVESTING THE WIND: America's Journey to Jobs, Energy Independence, and Climate Stability
by Philip Warburg
ISBN# 978-0807001073
Beacon Press (2012)

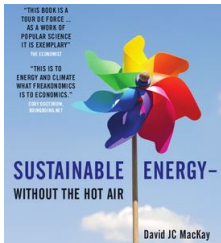
Winds sweeping through the Great Plains once robbed the Farm Belt of its future, stripping away overworked topsoil and creating the dreaded Dust Bowl of the 1930s. Today, those winds are bringing new hope to the declining rural communities of the central United States. Nowhere is wind's promise more palpable than in Cloud County, Kansas, where the soaring turbines of the Meridian Way Wind Farm are boosting incomes and bringing green jobs to a community that has, for decades, watched its children drift away. In *Harvest the Wind*, Philip Warburg brings readers face-to-face with the people behind the green economy-powered resurgence in Cloud County and communities like it across the United States. This corner of Kansas is the first stop on an odyssey that introduces readers to farmers, factory workers, biologists, and high-tech entrepreneurs—all players in a transformative industry that is taking hold across America and around the globe. In this illuminating book, Warburg reveals both the remarkable growth of a breakthrough technology and the formidable challenges it faces. He visits epicenters of anti-wind opposition as well as communities that have embraced wind farms as neighbors. He guides readers through an Iowa turbine assembly plant that is struggling to compete in a global marketplace dominated by European and Chinese manufacturers. And he looks at the thousands of miles that wind-generated power will need to travel to reach American consumers. *Harvest the Wind* is an earthly antidote to loftier treatises on global warming and green energy. By showing us how practical solutions are being implemented at the local level, Warburg offers an inspirational look at how we can all pursue a saner and more sustainable energy future—while at the same time investing in the nation's infrastructure and jumpstarting its economy.



REINVENTING FIRE: Bold Business Solutions for the New Energy Era

By Amory B. Lovins
Chelsea Green Publishing (2011)

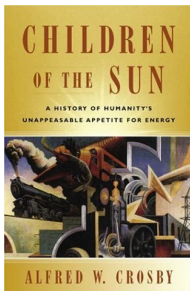
Imagine fuel without fear. No climate change. No oil spills, no dead coalminers, no dirty air, no devastated lands, no lost wildlife. No energy poverty. No oil-fed wars, tyrannies, or terrorists. No leaking nuclear wastes or spreading nuclear weapons. Nothing to run out. Nothing to cut off. Nothing to worry about. Just energy abundance, benign and affordable, for all, forever. That richer, fairer, cooler, safer world is possible, practical, even profitable—because saving and replacing fossil fuels now works better and costs no more than buying and burning them. *Reinventing Fire* shows how business-motivated by profit, supported by civil society, sped by smart policy—can get the US completely off oil and coal by 2050, and later beyond natural gas as well. Authored by a world leader on energy and innovation, the book maps a robust path for integrating real, here-and-now, comprehensive energy solutions in four industries—transportation, buildings, electricity, and manufacturing—melding radically efficient energy use with reliable, secure, renewable energy supplies. Pragmatic citizens today are more interested in outcomes than motives. *Reinventing Fire* answers this trans-ideological call. Whether you care most about national security, or jobs and competitive advantage, or climate and environment, its startling innovations will support your values, inspire your support, and transform your sense of possibility.



SUSTAINABLE ENERGY—Without the Hot Air

by David JC MacKay
ISBN#978-0954452933
UIT Cambridge Ltd., 2009

Addressing the sustainable energy crisis in an objective manner, this enlightening book analyzes the relevant numbers and organizes a plan for change on both a personal level and an international scale—for Europe, the United States, and the world. In case study format, this informative reference answers questions surrounding nuclear energy, the potential of sustainable fossil fuels, and the possibilities of sharing renewable power with foreign countries.

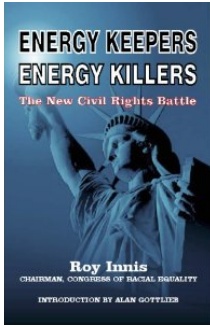


CHILDREN OF THE SUN

by Alfred Crosby
ISBN# 978-0393059359
W. W. Norton & Company; (January 9, 2006)

A master historian's spirited survey of humanity's strategies for tapping sun energy, past and future.

We don't often recognize the humble activity of cooking for the revolutionary cultural adaptation that it is. But when the hearth fires started burning in the Paleolithic, humankind broadened the exploitation of food and initiated an avalanche of change. And we don't often associate cooking with drilling for oil, but both are innovations that allow us to tap the sun energy accumulated in organic matter. Alfred W. Crosby, a founder of the field of global history, reveals how humanity's successes hinge directly on effective uses of sun energy. But dwindling natural resources, global warming, and environmental pollution all testify to the limits of our fossil-fuel civilization. Although we haven't yet adopted a feasible alternative—just look at the embarrassment of "cold fusion" or the 2003 blackout that humbled North America—our ingenuity and adaptability as a species give us hope. 10 illustrations, map.



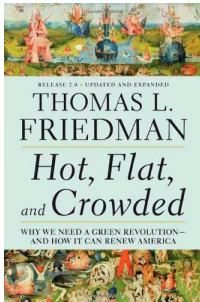
ENERGY KEEPERS, ENERGY KILLERS: The New Civil Rights Battle

by Roy Innis

ISBN# 978-0936783529

Merril Press; 1st edition (February 1, 2008)

Energy Keepers Energy Killers: The New Civil Right Battle exposes the wrongs done to the poor and minorities by environmental and political elites trying to eradicate fossil fuel production - coal, oil, and gas - supposedly to "save the world from global warming." Author Roy Innis, national chairman of the Congress of Racial Equality, shows how their wrongheaded policies price energy out of reach and violate the civil rights of all Americans, but hurt the poor and minorities worst. Innis demands an end to this "energy racism" and calls for the opening of all federal lands - which belong to the disadvantaged as much as to well-funded environmental leaders - to more energy production in a sustained campaign to increase supply and lower prices.



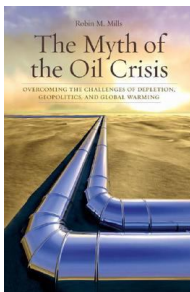
HOT, FLAT AND CROWDED: Why we need a Green Revolution-and how it Can Renew America

By Thomas Friedman

ISBN# 978-0312428921

Picador (2009)

In this brilliant, essential book, Pulitzer Prize-winning author Thomas L. Friedman speaks to America's urgent need for national renewal and explains how a green revolution can bring about both a sustainable environment and a sustainable America. Friedman explains how global warming, rapidly growing populations, and the expansion of the world's middle class through globalization have produced a dangerously unstable planet--one that is "hot, flat, and crowded." In this *Release 2.0* edition, he also shows how the very habits that led us to ravage the natural world led to the meltdown of the financial markets and the Great Recession.



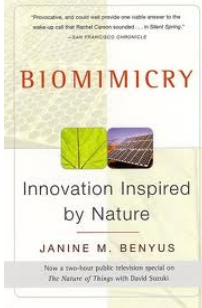
THE MYTH OF THE OIL CRISIS: Overcoming the Challenges of Depletion, Geopolitics, and Global Warming

by Robin M. Mills

ISBN: 9780313354793

Praeger (2008)

With oil around \$100 a barrel, drivers wince whenever they pull into the gas station and businesses watch their bottom lines shrink. Watch out, say doomsayers, it will only get worse as oil dries up. It's a plausible argument, especially considering the rate at which countries like China and India are now sucking up oil. Even more troubling, the world's largest oil fields sit in geopolitical hotspots like Iran and Iraq. Some believe their nations need to secure remaining supplies using military force, while others consider dwindling supplies a blessing that will help solve the problem of global warming. But wait—is it really the end of oil? Absolutely not, says geologist, economist, and industry-insider Robin Mills.



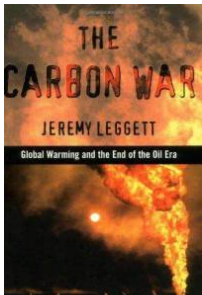
BIOMIMICRY: Innovation Inspired by Nature

by Janine Benyus
ISBN# 978-0060533229
William Morrow (2002)

This profound and accessible book details how science is studying nature's best ideas to solve our toughest 21st-century problems. If chaos theory transformed our view of the universe, biomimicry is transforming our life on Earth. Biomimicry is innovation inspired by nature – taking advantage of evolution's 3.8 billion years of R&D since the first bacteria. Biomimics study nature's best ideas:

photosynthesis, brain power, and shells – and adapt them for human use. They are revolutionising how we invent, compute, heal ourselves, harness energy, repair the environment, and feed the world.

Science writer and lecturer Janine Benyus names and explains this phenomenon. She takes us into the lab and out in the field with cutting-edge researchers as they stir vats of proteins to unleash their computing power; analyse how electrons zipping around a leaf cell convert sunlight into fuel in trillionths of a second; discover miracle drugs by watching what chimps eat when they're sick; study the hardy prairie as a model for low-maintenance agriculture; and more.

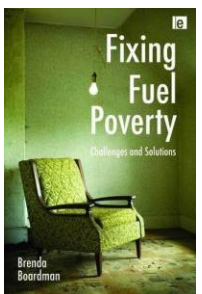


THE CARBON WAR

by Jeremy Leggett
ISBN# 978-0415931014
Routledge (March 28, 2001)

Excessive burning of oil, gas, and coal is raising our planet's thermostat to unacceptable levels-a problem which as already resulted in increased natural catastrophes: storms, floods, droughts, and fire. Yet big oil companies have repeatedly hijacked efforts to slow global carbon emissions. "The Carbon War" is a major call-to-arms for the safety of our planet. Throughout the last decade,

Jeremy Leggett, a distinguished scientist at Oxford University and former director for Green peace, has worked doggedly to alert human kind to the threat of ecological catastrophe



FIXING FUEL POVERTY: Challenges and Solutions

by Brenda Boardman
ISBN #978-1844077441
Routledge (December 11, 2009)

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 recognized, 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 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.

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