

The Homeowner Guide To Renewable Energy

Solar House Environmental Science Environmental Science The Renewable Energy Handbook The Practical Guide to Renewable Energy Using Hybridized Hardwoods Wind Power Basics The Homeowner's Guide to Renewable Energy Sustainable Industries Journal Wind Power Basics The New Solar Home The Scoop on Poop Power from the Sun Solar Electricity Basics Solar Electricity Basics Middle-Class Lifeboat The Solar House The Natural House Ecothrifty Power from the Wind Living Off the Grid Tips for Going Green Homeowner's Guide to Window Air Conditioner Installation for Efficiency and Comfort (Fact Sheet), Building America Case Study Power from the Sun The Renewable Energy Home Handbook Power From the Wind Solar Home Heating Basics Energy-Wise Landscape Design Energy Free The Complete Idiot's Guide to Renewable Energy for Your Home Pennsylvania Homeowner's Guide to Solar Electricity Renewable and Efficient Electric Power Systems Power from the People How to Solar Power Your Home A Solar Buyer's Guide for the Home and Office Home Performance Diagnostics: the Guide to Advanced Testing Solar Water Heating--Revised & Expanded Edition Sustainable Home Refurbishment The Natural Plaster Book The Homeowner's Guide to Renewable Energy The Homeowner's Energy Handbook

Solar House

Each new print copy includes Navigate 2 Advantage Access that unlocks a comprehensive and interactive eBook, student practice activities and assessments, a full suite of instructor resources, and learning analytics reporting tools. Designed for the undergraduate, introductory environmental science course, the thoroughly updated and redesigned tenth edition of Environmental Science continues to present a comprehensive, student-friendly introduction to contemporary environmental issues with an emphasis on sustainable solutions that meet social, economic, and environmental goals. This acclaimed book is the only text that explores the underlying causes of environmental problems and root-level solutions and presents both sides of many critical issues. Thought-provoking features throughout, including Critical Thinking Exercises, Key Concept and Spotlight on Sustainability boxes, Go Green tips, and Point/Counterpoint debates, along with the updated statistics and data of key issues, encourage readers to become much deeper and more critical thinkers. Current and highly relevant, the Tenth Edition discusses the challenges of the growing human population and resource depletion and solutions that address these issues in a sustainable manner. The book also discusses nonrenewable and renewable energy options and their pros and cons, and provides expanded coverage of local, regional, national, and global environmental issues and sustainable solutions. This comprehensive text includes updated coverage of environmental economics, ecology, and the application of science and technology to environmental concerns. With a strong focus on sustainability and critical thinking, a topic the author introduced to the environmental science market, Environmental Science, Tenth Edition is an essential resource for students to understand the impact they have on the environment and ways that they can help solve them. With Navigate 2, technology and content combine to expand the reach of your classroom. Whether you teach an online, hybrid, or traditional

classroom-based course, Navigate 2 delivers unbeatable value. Experience Navigate 2 today at www.jblnavigate.com/2

Environmental Science

An inspiring instructional handbook for transforming idealism into social change The pursuit of freedom and justice is a timeless one, but new activists may not know where to begin, while more experienced ones often become jaded or fatigued. The task of constructing a new society, free from oppression and inequality, can be overwhelming. Tools for facilitating motivation, engagement, and communication can mean the difference between failure and success for activists and social movements. Educating for Action collects the voices of activists whose combined experience in confronting injustice has generated a wealth of key insights for creating social change. This practical guide explores such topics as: Community activism and direct democracy Conflict negotiation, communication, and rhetoric Law, the educational system, and lifestyle activism Social media skills, conference planning, and online organizing Written in an inspirational tone, Educating for Action consciously straddles the line between street activism and classroom instruction. Bridging the gap between these two worlds makes for an engaging and instructive manual for social justice, helping students, teachers, and larger activist communities turn their idealism into action. Jason Del Gandio is a scholar-activist and assistant professor of rhetoric and public advocacy at Temple University. He is the author of Rhetoric for Radicals: A Handbook for 21st Century Activists . Anthony J. Nocella II is a scholar-activist and senior fellow of the Dispute Resolution Institute at the Hamline Law School. He is a long-time anti-racism, youth justice, prison abolition, hip hop, animal, disability, and Earth liberation activist and has published over fifty scholarly articles and book chapters and sixteen books.

Environmental Science

Solar energy is an abundant resource. Once a curiosity, solar electric systems are becoming commonplace. As we transition away from finite and polluting fossil fuels, clean, reliable, and affordable renewable technologies such as solar electricity will become the mainstay of our energy supply. Solar Electricity Basics provides a clear understanding of the sun, solar energy, and solar electric systems. It discusses the theoretical, practical and economic aspects of residential solar installations including: Inverters Batteries and controllers Costs of solar electric systems Financial incentives System installation and maintenance Permits, covenants, utility interconnection and buying a system. Whether your goal is to lower your energy bill through a grid-connected system or to achieve complete energy independence, Solar Electricity Basics is the introduction you need-no PhD required!

The Renewable Energy Handbook

Where To Download The Homeowner Guide To Renewable Energy

This sourcebook examines the options for building a house that is economical, energy-efficient, nontoxic, kind to the environment, and pleasurable to inhabit. Explores the pros and cons of 14 natural building methods, including straw bale, rammed earth, cob, cordwood, adobe, earthbags and papercrete.

The Practical Guide to Renewable Energy Using Hybridized Hardwoods

Presents information on how to improve a home's energy efficiency and switch to renewable energy resources to provide electricity, hot water, heat, and cooling for a home.

Wind Power Basics

Easy-to-understand, accurate, and comprehensive, this is the guide for anyone interested in installing a solar electric system. Power from the Sun provides a basic understanding of electricity, solar energy and the sun, and solar site assessment. It discusses the types of photovoltaics (PVs) and PV systems, advances in PVs, charge controllers, inverters, batteries, and generators, as well as the installation and maintenance of a PV system. This book is written for the layperson and is designed to raise the solar electricity literacy of readers. It provides a great overview of the many options available and is designed to help homeowners make wise decisions during the design, purchase, and installation of solar electric systems—and save a lot of money. Providing readers with the knowledge necessary to communicate effectively with PV installers, Power From the Sun is a great guide for homeowners, business owners, installers, architects, building department officials, utility company employees, and just about anyone else who wants to lower their energy bills or achieve greater energy independence. Dan Chiras is president of Sustainable Systems Design, Inc., a residential renewable energy and green building consulting firm, and is director of The Evergreen Institute's Center for Renewable Energy and Green Building, which offers workshops on residential renewable energy and green building. He is an internationally acclaimed speaker and author and has published twenty-five books, including The Homeowner's Guide to Renewable Energy and Power from the Wind.

The Homeowner's Guide to Renewable Energy

Written specifically for Pennsylvania homeowners planning the installation of a solar electricity generating system, this book provides full details on new state and federal incentives that reduce the installed cost in Pennsylvania by over 50%. Other topics include site assessment for solar, Renewable Energy Credits (RECs), electricity pricing and rates, financial analysis and environmental impact. An exclusive companion website provides news and up-to-date links to relevant programs, agencies, forms, applications and installers. Together, the book and website provide Pennsylvania homeowners with all

that's needed to decide, budget and plan.

Sustainable Industries Journal

This clever how-to handbook is the first step to living off the grid.

Wind Power Basics

Covering the full life span of the project, from siting issues through specific design features to maintenance of the property and equipment, this is a comprehensive guide to designing, planning and building a solar house. The author uses his experience of living in a solar house to inform the reader of the technology and practices needed for the design, operation and maintenance of the solar home. Each of the technologies of the house, such as space heating and cooling, domestic hot water and electric power technologies, are critiqued from the point of view of the owner/resident, with the author using his thirty years experience of living in a solar home. This provides home owners who are thinking of going solar with first hand evidence of best practice, and provides the architect and designer with the knowledge of how to best satisfy their clients needs.

The New Solar Home

For builders of natural homes (straw bale, cob, adobe, rammed earth, and other natural materials), this unique step-by-step guide takes the confusion out of choosing, mixing, and applying natural plasters. From principles to practicalities, and with every stage of the process illustrated, *The Natural Plasters Book* details the entire process of plastering with earth, lime, and gypsum for a long-lasting and durable finish. Starting with an overview and history of the natural building movement, the book handles a wide variety of topics including earthen plaster versus cement stucco, tools and techniques of the trade, plaster recipes, and pigmenting plaster or painting walls with natural paints. First-time builders will appreciate tips on common mistakes (and how to avoid them) discussed at each stage of the plastering process. Special focus is paid to the importance of planning and designing for earthen plasters—before building begins. The only comprehensive guide available on natural plasters, this book is written for the growing number of people who have decided to build their own natural homes as well as for professionals. Heavily illustrated with practical drawings and photographs, it also includes an extensive resource guide listing books, magazines, videos, builders, and suppliers. Marketing Plans: • Ads in *Natural Home* and *Environmental Building & Design* • National print review campaign to natural building, self-sufficiency, and environmental magazines, newsletters, websites. Cedar Rose Guelberth has been working with natural home construction and plaster techniques for 25 years and is a nationally recognized natural building educator and consultant. Dan Chiras is the author of

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fifteen books including *The Natural House: A Guide to Healthy, Energy-Efficient, Environmental Homes* (ISBN: 1-890132578, Chelsea Green, 2000). Both authors live in Colorado. Also Available *The Art of Natural Building: Design, Construction, Resources* TP \$26.95, 0-86571-433-9 • USA *Straw Bale Building: How to Plan, Design, and Build with Straw* TP \$24.95, 0-86571-403-7 • USA

The Scoop on Poop

Power from the Wind is the completely revised and updated edition of the go-to guide for individuals and businesses interested in installing small wind energy systems. Written with the homeowner layperson in mind, this practical guide provides an accurate and unbiased view of all aspects of small wind energy systems from site assessment through installation.

Power from the Sun

NOW AT YOUR FINGERTIPS: Every performance test for completing a home energy audit. If you're a professional in today's fast-evolving industry of high performance construction and retrofits, then you've probably found yourself wondering a few things: Who can show me how to run that test? How do I get the most out of the equipment I own? Why do the tests work, and how do I explain them? What quality control methods should I use? Which tools will make my job faster and easier? With this guide, experienced and new diagnosticians alike will get step-by-step details on advanced testing, complete with best practices, important concepts and pitfalls, ways to present data to the client, Step-By-Step photographs, and time-saving tips, plus quiz questions for each diagnostic!

Solar Electricity Basics

As fossil fuel supplies dwindle, home heating will be one of the major challenges in temperate and cold climates in upcoming years. The reserves of natural gas used to heat the majority of North American buildings are rapidly being depleted. This latest Green Energy Guide helps readers who want to slash their energy bills and reduce their dependence on scarce resources to navigate the sometimes confusing maze of clean, reliable, and affordable options. *Solar Home Heating Basics* focuses on renewable energy strategies to heat new and existing homes and small businesses. These include: *Energy efficiency, weatherization, and insulation *Solar hot air heating *Solar thermal systems *Passive solar heating *Backup heating systems While most solar home heating resources are geared primarily towards new buildings, this practical guide addresses ways of retrofitting existing buildings, making solar a reality for many people. Packed with all the essential information home and small business owners need to find alternatives to conventional heating solutions, *Solar*

Where To Download The Homeowner Guide To Renewable Energy

Home Heating Basics is your key to a personal energy solution. Dan Chiras is a respected educator and the author of thirty books on residential renewable energy and green building, including The Homeowner's Guide to Renewable Energy and Power from the Sun. Dan is the director and lead instructor at the Evergreen Institute's Center for Renewable Energy and Green Building, where he teaches workshops on energy efficiency, solar electricity, solar hot water, small wind energy, green building, natural plasters, and natural building.

Solar Electricity Basics

A retro-fit offers many benefits: cutting electricity and heating bills, increasing the resale value of homes, slashing carbon emissions and creating a healthier place to live. This book is the guide to making it happen. It looks at: draught-proofing, insulation and damp ventilation, heating and cooling electrical efficiency and renewable energy water use and re-use materials' life cycles and incorporating nature protection from climate change impacts - modelling energy flows and embodied energy how we can meet the need to cut carbon emissions from dwellings by eighty percent by 2050. Projects can apply to apartment blocks, recent builds and older, solid-walled properties. Enlivened with helpful diagrams and photographs, plus plenty of pointers for further information, it provides a comprehensive resource handbook for any building professional and contractor, students - or any homeowner serious about efficiency (cash and carbon) savings.

Middle-Class Lifeboat

This fact sheet offers a step-by-step guide to proper installation of window air conditioning units, in order to improve efficiency and comfort for homeowners.

The Solar House

A guide to saving a fortune while saving the Earth, from the author of Homegrown & Handmade. Use it up, wear it out, make it do, or do without. Our grandmothers knew the importance of responsible, thrifty choices. But somewhere along the way we lost our way and succumbed to the belief that we can get everything for next to nothing, have it shipped halfway around the world and then—more often than not—just throw it away. This consumer binge is taking its toll. Diet and lifestyle-related illnesses are epidemic, our environment is awash in a sea of plastic, our climate is changing, and the cost of everything is skyrocketing with the price of oil. Are we doomed? No. We can make greener, healthier choices, and we can do it while saving money. Where to start? Ecothrifty is packed with simple, practical ideas and recipes to help you: · Make homemade products for cleaning and skin care · Grow your own food and cook more from scratch · Raise your family without lowering your standards A must-read for anyone who has ever wanted to live a greener life but thought that it

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would be too expensive, time-consuming, or difficult, this handy, complete guide will show you how small changes can have a huge environmental impact and save you thousands of dollars, all while improving your quality of life. “I support and endorse this wonderful book, 100%!” —Ed Begley, Jr., actor and environmentalist “Her advice does not come across as self-righteous or preachy, but more like insider tips from an experienced do-it-yourselfer.” —Publishers Weekly

The Natural House

Easy-to-understand, accurate, and comprehensive, this is the guide for anyone interested in installing a solar electric system. Power from the Sun provides a basic understanding of electricity, solar energy and the sun, and solar site assessment. It discusses the types of photovoltaics (PVs) and PV systems, advances in PVs, charge controllers, inverters, batteries, and generators, as well as the installation and maintenance of a PV system. This book is written for the layperson and is designed to raise the solar electricity literacy of readers. It provides a great overview of the many options available and is designed to help homeowners make wise decisions during the design, purchase, and installation of solar electric systems—and save a lot of money. Providing readers with the knowledge necessary to communicate effectively with PV installers, Power From the Sun is a great guide for homeowners, business owners, installers, architects, building department officials, utility company employees, and just about anyone else who wants to lower their energy bills or achieve greater energy independence. Dan Chiras is president of Sustainable Systems Design, Inc., a residential renewable energy and green building consulting firm, and is director of The Evergreen Institute’s Center for Renewable Energy and Green Building, which offers workshops on residential renewable energy and green building. He is an internationally acclaimed speaker and author and has published twenty-five books, including The Homeowner’s Guide to Renewable Energy and Power from the Wind.

Ecothrifty

Solar energy is an abundant resource. Once a curiosity, solar electric systems are becoming commonplace. As we transition away from finite and polluting fossil fuels, clean, reliable, and affordable renewable technologies such as solar electricity will become the mainstay of our energy supply. Solar Electricity Basics provides a clear understanding of the sun, solar energy, and solar electric systems. It discusses the theoretical, practical and economic aspects of residential solar installations including: Inverters Batteries and controllers Costs of solar electric systems Financial incentives System installation and maintenance Permits, covenants, utility interconnection and buying a system. Whether your goal is to lower your energy bill through a grid-connected system or to achieve complete energy independence, Solar Electricity Basics is the introduction you need-no PhD required!

Power from the Wind

Living Off the Grid

A solid, quantitative, practical introduction to a wide range of renewable energy systems—in a completely updated, new edition. The second edition of *Renewable and Efficient Electric Power Systems* provides a solid, quantitative, practical introduction to a wide range of renewable energy systems. For each topic, essential theoretical background is introduced, practical engineering considerations associated with designing systems and predicting their performance are provided, and methods for evaluating the economics of these systems are presented. While the book focuses on the fastest growing, most promising wind and solar technologies, new material on tidal and wave power, small-scale hydroelectric power, geothermal and biomass systems is introduced. Both supply-side and demand-side technologies are blended in the final chapter, which introduces the emerging smart grid. As the fraction of our power generated by renewable resources increases, the role of demand-side management in helping maintain grid balance is explored. Renewable energy systems have become mainstream technologies and are now, literally, big business. Throughout this edition, more depth has been provided on the financial analysis of large-scale conventional and renewable energy projects. While grid-connected systems dominate the market today, off-grid systems are beginning to have a significant impact on emerging economies where electricity is a scarce commodity. Considerable attention is paid to the economics of all of these systems. This edition has been completely rewritten, updated, and reorganized. New material has been presented both in the form of new topics as well as in greater depth in some areas. The section on the fundamentals of electric power has been enhanced, making this edition a much better bridge to the more advanced courses in power that are returning to many electrical engineering programs. This includes an introduction to phasor notation, more emphasis on reactive power as well as real power, more on power converter and inverter electronics, and more material on generator technologies. Realizing that many students, as well as professionals, in this increasingly important field may have modest electrical engineering backgrounds, early chapters develop the skills and knowledge necessary to understand these important topics without the need for supplementary materials. With numerous completely worked examples throughout, the book has been designed to encourage self-instruction. The book includes worked examples for virtually every topic that lends itself to quantitative analysis. Each chapter ends with a problem set that provides additional practice. This is an essential resource for a mixed audience of engineering and other technology-focused individuals.

Tips for Going Green

Energy Free is designed to equip building professionals and homeowners alike with a toolkit for creating homes that use no

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more energy than they produce—this means homes that are free from the vagaries of energy-price fluctuations and that help to free society of the high political and environmental costs of fossil fuels. Individuals and institutions have been working toward "zero-energy" homes for decades. This volume is the first record of those collective efforts, distilling their experience into a practical and comprehensive how-to guide. The author includes resource information and step-by-step guidance on how to make decisions that will yield an energy-free residential project, whether a single-family home or multifamily building, new or existing, in an urban or a rural setting. The unique needs and opportunities of each context are addressed. The principal topics include: Project boundaries (why you have to consider not only your home's behavior, but also your own) Prioritizing strategies (e.g., insulation vs. photovoltaics) Economics (including payback periods and incentives) How to minimize a building's energy needs How to minimize your energy needs How to power the energy needs that remain The critical role of integrated project planning Energy Free offers a wide array of resource information, including detailed window and insulation comparisons; assessments of the relative contribution of different building elements; and overall performance. It draws on research and empirical data from myriad sources, including the Department of Energy's Building America program; Sacramento Municipal Utility District's House of the Future; Passiv Haus Institute in Europe and the Passive House Institute of the U.S.; Florida Solar Energy Center; Living Building Challenge; Affordable Comfort, Inc.'s, Thousand Home Challenge; and many pioneering individual home projects across North America.

Homeowner's Guide to Window Air Conditioner Installation for Efficiency and Comfort (Fact Sheet), Building America Case Study

Presents information on how to improve a home's energy efficiency and switch to renewable energy resources to provide electricity, hot water, heat, and cooling for a home.

Power from the Sun

Provides background information, purchasing data, and step-by-step instructions for operating boats, RVs, or homes and creating energy for hot water and heating with renewable energy sources.

The Renewable Energy Home Handbook

Offers an introduction to wind energy, describes the different types of systems that can be used to convert the natural resource into electricity, and explains how important components in the system work.

Power From the Wind

Where To Download The Homeowner Guide To Renewable Energy

A full-color collection with 150 photos highlights homes that not only use renewable energy but also are the result of recycling and repurposing materials used in construction and reducing the impact on the surrounding environment through sensitive building methods. Original.

Solar Home Heating Basics

Flush it and forget it is the plumbing mantra of the industrialized world. Most people just want sewage to go away, preferably without having to see, smell, or worse yet, touch it. But crap has a bad rap. Human waste is a valuable resource we can use to support food production. Blackwater, greywater, and solids are actually rich in organic matter, and alternative means of handling these "wastes" can conserve enormous quantities of fresh water for other uses. The Scoop on Poop presents a wide range of ways to answer the call of nature, and in so doing to maximize the benefits of existing waste water. This book explores proven alternatives to Western sanitation. Whether you're interested in composting toilets, outdoor grey- or blackwater planters, constructed wetlands, or other innovative solutions, author Dan Chiras will walk you through: System pros and cons Design, construction, and maintenance advice Costs, permitting issues, and the safe treatment of composted waste All system plans are relatively simple and straightforward enough for the average homeowner to build and install. Intended for readers who live in cities, towns and rural environments, this is a practical guide to safe, ingenious ways to capture the nutrients from waste and recycle them back into your soil to grow fruit trees, vegetables, and flowers—all without running afoul of the "ick" factor. Dan Chiras is the author of over thirty books on residential renewable energy and green building, and is the director of the Evergreen Institute's Center for Renewable Energy and Green Building.

Energy-Wise Landscape Design

Reveals how to search for, buy or build a solar power system for one's home, in a book that also looks at the real estate prospects for an solar-powered home. Original.

Energy Free

A complete array of solar water heating solutions.

The Complete Idiot's Guide to Renewable Energy for Your Home

Solar power, once a fringe effort limited to DIY enthusiasts, is now fast becoming mainstream. Many home and business

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owners are curious about solar electric and solar thermal systems, and wonder how to go about getting a clean energy generation system of their own. The vast majority will hire a professional installer to do the job. But what should they be asking of these installers? What system makes the most sense for their home or office: solar electric, solar hot water, solar heating, or some combination of these? A Solar Buyer's Guide for the Home and Office explains the options so that property owners can make the right choices both for their energy needs and their financial security. Understanding how solar power systems work will enable readers to be informed customers when dealing with professional installers-the book also provides advice on how to select a qualified installer and understand the expanding variety of tax credits and other incentives that are popping up around the country. The market for solar systems has been growing at an exponential rate and strong tax credits ensure continued growth even in a sluggish economy. Many of those who would like to catch this undeniable wave of the future are held back by widespread confusion. A Solar Buyer's Guide for the Home and Office clears the air, allowing property owners to move forward with confidence to make their homes and offices more comfortable, environmentally sound, and secure against wild swings in energy prices.

Pennsylvania Homeowner's Guide to Solar Electricity

Most renewable energy systems aren't new, but their use is. This handbook shows how each of the main renewable energy technologies works, along with step-by-step details of how it's installed, as well as the pros and - at least as importantly - the cons of each type of installation.

Renewable and Efficient Electric Power Systems

Wind energy is the fastest growing source of energy in the world, and by the year 2020 it is projected to supply at least 12 percent of global electrical demand. Wind Power Basics provides a clear understanding of wind and wind energy systems, including turbines, towers, inverters and batteries, site assessment, installation, and maintenance requirements. Whether you're considering your own small-scale wind energy system or just want a straightforward, detailed introduction to the benefits and challenges of this rapidly emerging technology, Wind Power Basics is the guide you need. Dan Chiras is a respected educator and an internationally acclaimed author who has published more than twenty-five books on residential renewable energy and green building, including Power From the Wind.

Power from the People

Completely updated, the seventh edition of 'Environmental Science' enlightens students on the fundamental causes of the current environmental crisis and offers ideas on how we, as a global community, can create a sustainable future.

How to Solar Power Your Home

Over 90 percent of US power generation comes from large, centralized, highly polluting, nonrenewable sources of energy. It is delivered through long, brittle transmission lines, and then is squandered through inefficiency and waste. But it doesn't have to be that way. Communities can indeed produce their own local, renewable energy. Power from the People explores how homeowners, co-ops, nonprofit institutions, governments, and businesses are putting power in the hands of local communities through distributed energy programs and energy-efficiency measures. Using examples from around the nation - and occasionally from around the world - Greg Pahl explains how to plan, organize, finance, and launch community-scale energy projects that harvest energy from sun, wind, water, and earth. He also explains why community power is a necessary step on the path to energy security and community resilience - particularly as we face peak oil, cope with climate change, and address the need to transition to a more sustainable future. This book - the second in the Chelsea Green Publishing Company and Post Carbon Institute's Community Resilience Series - also profiles numerous communitywide initiatives that can be replicated elsewhere.

A Solar Buyer's Guide for the Home and Office

Home Performance Diagnostics: the Guide to Advanced Testing

A comprehensive guide to safeguard your livelihood, income, and standard of living through the ups and downs of any economy. Most Americans, no matter what their economic circumstances, identify themselves as middle class. A recent Gallup poll showed that 63% consider themselves upper-middle or middle class. And they are feeling burned out and squeezed, under pressure to bring home more and more money just to maintain their standard of living. Middle Class Lifeboat is an answer to that pressure, a comprehensive guide to living a more stress-free lifestyle. Part I: Safeguarding Your Livelihood: profiles the 53 best jobs to have to be self-sufficient whether the economy is up or down. Part II: Safeguarding Your Income: 6 ways to extend your earnings, that don't always involve money. Part III : Safeguarding Your Standard of Living: 10 off-the-grid lifestyle choices to increase your quality of life

Solar Water Heating--Revised & Expanded Edition

Faced with frequent power outages, skyrocketing energy costs, and constant reminders of the impacts of conventional energy sources, homeowners and businesses are beginning to explore ways to use energy more efficiently and to generate their own electricity to reduce fuel bills and their carbon footprint and to achieve greater independence. Power From the

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Wind is an easily understandable guide for individuals and businesses interested in installing small wind energy system. Written for the layperson, this practical guide provides an accurate and unbiased view of all aspects of small wind energy systems, including: Wind and wind energy systems Ways to assess wind resources at your site Wind turbines and towers Inverters and batteries Installation and maintenance of systems The costs and benefits of installing a wind system This book is designed to help readers make the smartest, most economical choices. Readers will gain the knowledge they need to make wise decisions during the design, purchase and installation of small wind energy systems and to communicate effectively with wind system installers.

Sustainable Home Refurbishment

The news is out and it is not good. If we do not get serious about the environment, about going green and protecting the world in which we live, the consequences are dire. Oh, you say, you cannot do much about this huge problem-you are just one person. The government and big business needs to take on this responsibility. Well, that is bunk and every thinking person knows it, says author and environmentalist Alicia Marie Smith. What it does take is a bit of time, commitment and some thoughtful decisions about the products you buy, what you do with them when they are used up and how you think and feel about the entire process of going green. If whole cities are doing it, surely each person can make small efforts in this crucial battle with junk, bad environmental policies and the so-called inconveniences of going and staying green. Get involved; get committed; get educated. Join the most important movement of the 21st century-and become a citizen of the world in your own little way. Fifty plus one Tips for Going Green is easy, accessible and fun!

The Natural Plaster Book

An essential how-to on powering your home with sun, wind, water, and more. For readers wanting to save money-and the planet-by using alternative energy, this book provides everything they need to know. The five basic sources are fully covered: sun, wind, water, earth, and bio. The benefits, what is needed, and whether it will work for a particular home are all carefully laid out in this comprehensive overview: ? Solar energy for home heating, water heating, and electricity ? Wind power, hydrogen, and micro hydro power ? Heat pumps-air, geothermal, and water source ? Heating with wood and going bio

The Homeowner's Guide to Renewable Energy

Discusses renewable energy resources and provides instructions for creating energy-saving and energy-producing equipment.

The Homeowner's Energy Handbook

While heat from sunlight and ventilation from breezes is free for the taking, few modern architects or builders really understand the principles involved. Yet "natural conditioning" -- heating and cooling with passive solar techniques -- is a viable alternative to fossil fuels. Acknowledging the good intentions of misguided solar designers in the past, the author highlights certain egregious errors and shows how to avoid them. The author shows how to select a cost-effective, energy-efficient, and environmentally friendly backup heating system; how to preserve indoor air quality in an airtight, energy-efficient home; and ways of employing green building materials in a naturally conditioned home.

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