

Energy Savings Guide for Home and Small Business

<https://marketpublishers.com/r/E87AD85F76EEN.html>

Date: May 2013

Pages: 255

Price: US\$ 29.00 (Single User License)

ID: E87AD85F76EEN

Abstracts

This Energy Savings Guide is a detailed handbook for reducing energy usage at home, at the office, and on the road. It provides energy-saving tips that you can quickly implement: from efficiency in electricity usage to managing appliances, lighting, insulation, heating/cooling systems, renewable energy technologies, smart meters, and more. It gives you simple energy-saving tips for designing and remodeling a home or office. And you'll learn how to generate your own clean electricity using solar, wind, and small hydropower systems.

Each year, we waste energy worth billions of dollars and a large portion of that loss comes from residential and transportation activities. In recent years global warming has become a cause for concern, as has the imminent peaking of world production of fossil fuels such as petroleum and natural gas. Wasting energy is no longer a luxury we can ignore.

This Guide provides you with usable tips on saving money off of your energy bills. Many of these tips are simple and free, and can be implemented in your home, office and car immediately.

By adopting a few easy energy-saving strategies, individuals can decrease their energy usage. -efficient improvements not only make a home more comfortable, but they can also yield long-term financial rewards. The key to achieving these savings is a whole-house energy-efficiency plan. A home energy audit helps to pinpoint those areas and points you toward the best measures for cutting usage. This special report provides you with a checklist to perform your own home or office energy audit.

This guide also provides easy solutions for making your workplace greener. You'll find tips on handling office equipment such as computers, printers, and fax machines, on recycling waste paper, and on efficiently using office stationary. You'll learn about ways

to improve energy efficiency in your home, office, and commercial facilities.

Finally, you'll discover energy-saving strategies for vehicles such as automobiles, trucks, and buses. You'll get a glimpse of the technologies that will revolutionize transportation.

This handbook gives you energy-saving checklists for your home, your workplace, and your car. You'll save money while helping to save the planet.

Contents

Executive Summary
Climate Change and Energy Conservation
Introduction to Climate Change
GHG Emission and Air Pollution
Kyoto Protocol
Need for Energy Conservation and Energy Efficiency
Energy Savings at Home
Energy Consumption in a Home
Energy Auditing
DIY Home Energy Audits
Locating Air Leaks
Insulation
Heating/Cooling Equipment
Lighting
Professional Home Energy Audits
Preparing for an Energy Audit
Selecting an Energy Auditor
Blower Door Tests
Thermographic Inspections
PFT Air Infiltration Measurement Technique
Planning Energy Saving
Energy Auditing Tips
Formulating Your Plan
Apartments and Buildings
Apartments and Residential Buildings
New Buildings
Existing Buildings
Commercial Buildings
Electricity
Purchasing Clean Electricity
Reducing Electricity Usage
Generating Your Own Clean Electricity
Home Appliances
Air Conditioner
Energy Efficiency of Room Air Conditioners
Sizing and Selecting a Room Air Conditioner
Installing and Operating Your Room Air Conditioner

Dishwasher
Refrigerator and Freezers
Lighting
Lighting Design
Types of Lighting
Fluorescent Tube and Circline Lamps
Lighting Controls
Lamp and Ballast Replacement
Lamps in Incandescent Fixtures
Lamps and Ballasts in Fluorescent Fixtures
Lighting Maintenance
Turning off Your Lights
Energy Savings
Insulation and Sealing Air Leaks
Air Sealing
Insulation
Moisture Control
Ventilation
Heating and Cooling
Cooling Systems
Ventilation Systems
Evaporation Coolers
Air Conditioning
Heating Systems
Heat Pumps
Thermostats
Ducts
Dehumidifying Heat Pipes
Water Heating
Selecting a Heating System
Energy-Efficient Water Heating
Swimming Pool Heating
Gas Pool Heaters
Doors and Windows
Doors
Storm Doors
Windows
Storm Windows
Skylights

Landscaping
Climate and Microclimate
Cool Region
Shading
Windbreaks
Water Conservation
DIY and Gardening
Select Natural Materials
Use Recycled Products
DIY the Green Way
Recycle Leftovers
In the Garden
Get Composting
Designing and Remodeling a Home
Advanced Framing
Earth-Sheltered Homes
Underground
Bermed
Log Homes
The R-Value of Wood
Minimizing Air Leakage
Controlling Moisture
Building Code Energy Compliance
Manufactured Homes
Energy-Efficient Retrofit Measures
Renewable Energy Applications
Passive Solar Homes
Direct Gain
Indirect Gain
Isolated Gain
Straw Bale Homes
Zero Energy Homes
Financing an Energy-Efficient Home
Energy-Efficient Financing Programs
Home Energy Rating
How to Generate Your Own Clean Electricity
Solar Electric Systems
Micro Wind Electric Systems
Microhydropower Systems

Power Output
Economics
Permits and Water Rights
Small Hybrid Electric Systems
Energy Savings at Work
Running an Energy-Efficient Office
Lights Off
New Technology
New Habits
Recycling
Office Equipment
Computers
Copiers and Fax Machines
Digital Duplicators
Monitors
Printers, Scanners, and All-in-One Devices
Information Technology Solutions
Recycling
Commercial Buildings
Whole-Building Design
Technologies in Use
Farms and Ranches
Anaerobic Digesters
Lighting and Day Lighting
Geothermal Use
Microhydropower Systems
Small Wind Electric Systems
Solar Energy Applications
Supermarkets
Green Travel to the Supermarket
Drop Off Your Recycling
Shop for Locally Produced Items
Shop Organic and Fair-Trade Products
Energy Savings While You Drive
Fuel Economy
Benefits
Fuel Savings
Petroleum Independence
Environmental Protection

Strategies for Various Vehicles
Low Rolling Resistance Tires
Sensitivity Coefficient
New vs. Replacement Tires
Tire Inflation
Cost Effectiveness
Idle Reduction
Benefits
Strategies for Light- and Medium-Duty Vehicles
Technologies for Heavy-Duty Trucks
Strategies for School Buses
Clean School Bus USA
Alternative-Fuel Vehicles
Benefits and Challenges
Issues and Barriers
Types of Alternate Fuel Vehicles
Alternative Fuel Vehicle Conversion
Vehicle Conversion Certification
Certificates of Conformity
Vehicle Converters
Conversion Requirements
Cost Comparison of Various Fuels
Government Support
Energy Policy Act of 2005
Automobile Tax Credits
Home Energy Efficiency Improvement Tax Credits
Business Tax Credits
Biodiesel/Alternative Fuels
Buildings
Energy Star
For the Home
For Business
The Industrial Technologies Program
Energy Intensive Industries
Crosscutting Technologies
Emerging Technologies
Power Utilities
Transportation
Energy Saving Checklists

For Homes
For Offices
For Facilities
Glossary

I would like to order

Product name: Energy Savings Guide for Home and Small Business

Product link: <https://marketpublishers.com/r/E87AD85F76EEN.html>

Price: US\$ 29.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E87AD85F76EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970