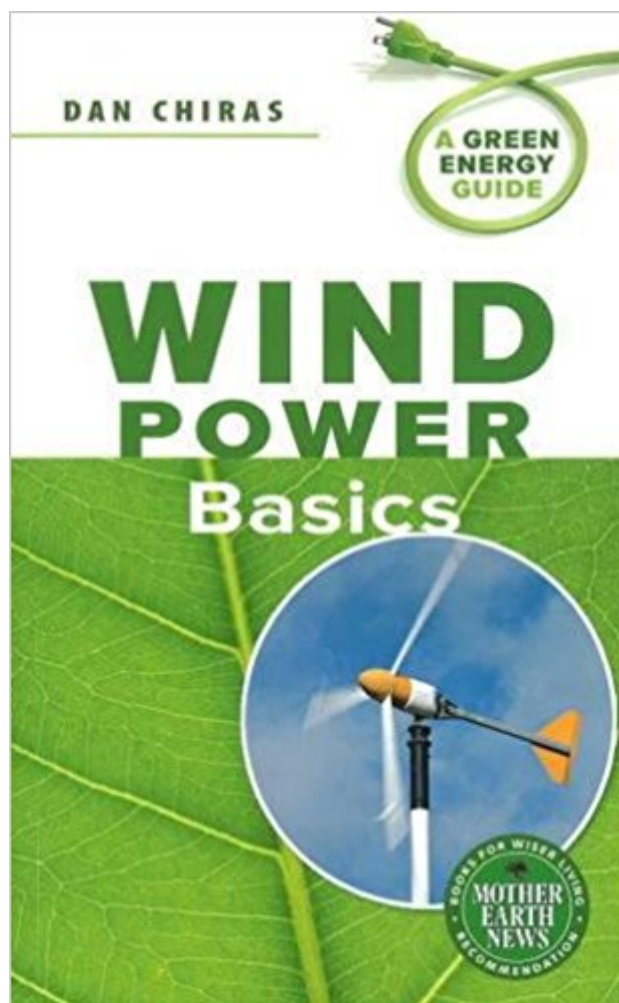


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# Wind Power Basics: A Green Energy Guide



## Synopsis

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.

## Book Information

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## Customer Reviews

For those intrigued by wind power, Wind Power Basics is a top pick. - the Midwest Book Review  
Wind Power Basics crams all the pertinent information about siting and assessments, turbines, towers, hybrid systems, wind resources, energy storage, maintenance, and zoning into a convenient package that makes the information accessible to those on a budget, or to anyone just curious about all the fuss over wind energy in general. - Back Home Magazine  
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resources, energy storage, maintenance, and zoning into a convenient package that makes the information accessible to those on a budget, or to anyone just curious about all the fuss over wind energy in general.- Back Home Magazine

Dan Chiras is an internationally acclaimed author who has published over 24 books, including *The Homeowner's Guide to Renewable Energy*. He is a certified wind site assessor and has installed several residential wind systems. Dan lives in a passive solar home in Evergreen, Colorado.

This is an excellent book, to start learning about Wind Power. The chapters have been laid out very logically, and Dan takes you through the basics of wind, wind systems, assessing your power needs, the types of windmills etc. The style is simple enough for the lay reader, yet covers enough matter; and this makes it an excellent starting point to learn about wind power. If I had one gripe, it is that the formatting on the Kindle needs to be improved, especially in the later chapters

Great book on wind energy. I learned quite a bit about wind systems, but the rest was a repeat from Chiras' other book, *Solar Electricity Basics*. Electricity, Gen-Sets, Batteries, Grid Power, Power Consumption, Conservation Measures--all is the same material in both books. Still, the books are relatively inexpensive so I'd go ahead if you're interested in both solar and wind. His larger book, *Power From The Sun*, is supposed to contain much more detailed information on solar (it should, since he references it about every other page in *Solar Power Basics*).

Am presently using the soft-cover handbook to complete introductory courses in renewable energy (combined Solar/PV and Wind). The material and information is present in an understandable fashion. Photos and charts are adequate for both students moving toward working in the field and DIYer's seeking foundational information. All in all, a good read and handy resource. The author has a second volume that expands on this first work and adds to the practical side of planning a wind energy system. I recommend them both, but would have purchased the new, more expanded version for a relative cost savings for the same information.

This book was well written and organized. It is not a "how to" book but rather one that introduces you to the concept of wind power. It does provide a place to start as far as considerations you should take into account when considering a residential wind power system. It is an easy read--not too technical.

its a great overview of wind electricity basics. I recommend it for those interested in learning more about wind power.

"Wind Power Basics: A Green Energy Guide" is a step-by-step handbook designed for anyone wanting to understand all aspects of the energy source. Author Dan Chiras first notes the history of wind power in the United States, how it was set aside as electrical grids were established and how and why people are returning to its use. He makes the technology and terminology easy to understand, while warning of its possible pitfalls (unhappy neighbors), as well as making clear the case for using green power. Some of the topics include site assessment, tower installation and various systems that work in different situations. Anyone beginning to think about whether it would work for them, either in a home or at a commercial establishment, would be wise to start with this book. It's well written and organized, short on rhetoric and long on practicality.

This is a great little book for people looking for an introduction to wind power. It covers the history of the technology and explains why small wind turbines can be a great way of generating relatively small amounts of power. If you are interested in wind power and considering installing a system, this is an ideal first step. Its clear, concise and well written.

WIND POWER BASICS offers homeowners a clean view of wind technology, covering wind energy systems ranging from turbines to batteries, and including site assessment and maintenance of wind power options. Any considering a small-scale wind energy system will find this a satisfying basic introduction.

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