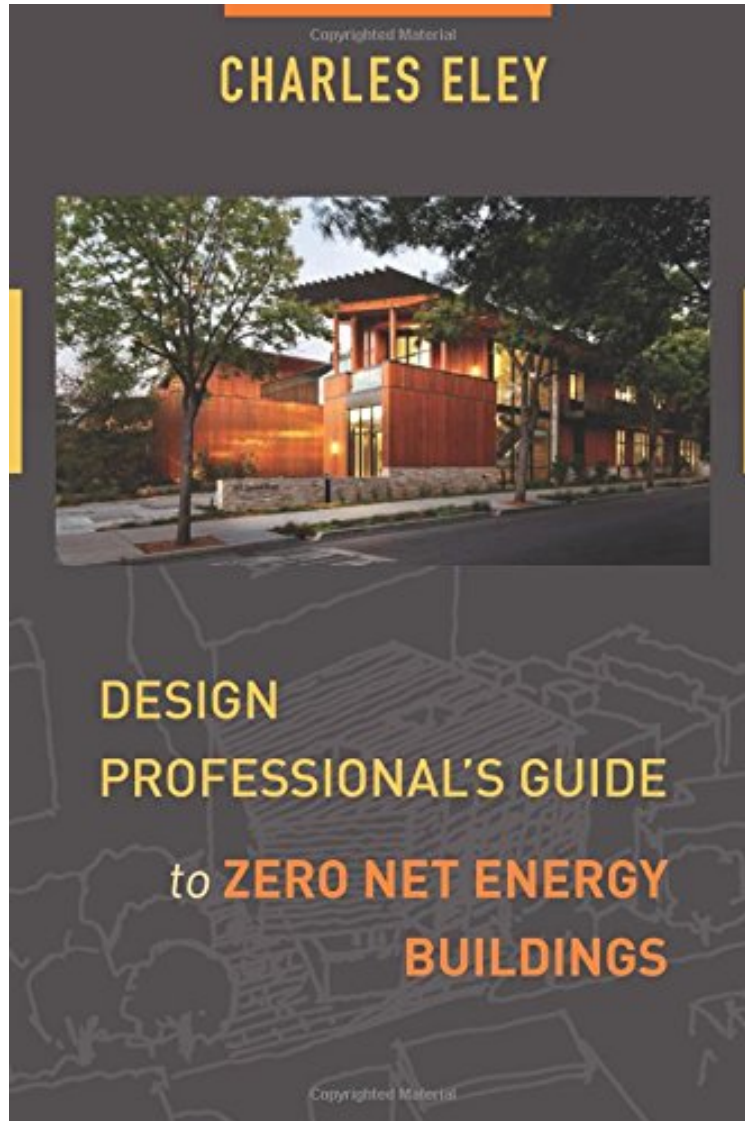


(Download) Design Professional's Guide to Zero Net Energy Buildings

# Design Professional's Guide to Zero Net Energy Buildings

Charles Eley

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**Charles Eley : Design Professional's Guide to Zero Net Energy Buildings** before purchasing it in order to gage whether or not it would be worth my time, and all praised Design Professional's Guide to Zero Net Energy Buildings:

0 of 0 people found the following review helpful. For the average person a better book would be "Toward a Zero Energy Home/ 2010"By cjThis book really is for licensed design professionals (I am one). For the average person a better book would be "Toward a Zero Energy Home/ 2010".0 of 0 people found the following review helpful. GOod for design professionals and for the layman to get ...By L. V. SchoffGOod for design professionals and for the layman

to get a better understanding of ZERO NET ENergy Design -- ITS COMING.0 of 0 people found the following review helpful. mostly commercial application, but interestingBy GennaThis book is focused on state of the art technologies and innovations. As a lay person contemplating how to create a residence with as much 'passive' tech as possible- this was a little off the mark for me. The focus was on more commercial applications. There were a lot of interesting tidbits in there and a pretty good read to boot.

In the United States, direct energy use in buildings accounts for 39% of carbon dioxide emissions per year more than any other sector. Buildings contribute to a changing climate and warming of the earth in ways that will significantly affect future generations. Zero net energy (ZNE) buildings are a practical and cost-effective way to reduce our energy needs, employ clean solar and wind technologies, protect the environment, and improve our lives. Interest in ZNE buildings, which produce as much energy as they use over the course of a year, has been growing rapidly. In the Design Professionals Guide to Zero Net Energy Buildings, Charles Eley draws from over 40 years of his own experience, and interviews with other industry experts, to lay out the principles for achieving ZNE buildings and the issues surrounding their development. Eley emphasizes the importance of building energy use in achieving a sustainable future; describes how building energy use can be minimized through smart design and energy efficiency technologies; and presents practical information on how to incorporate renewable energy technologies to meet the lowered energy needs. The book identifies the building types and climates where meeting the goal will be a challenge and offers solutions for these special cases. It shows the reader, through examples and explanations, that these solutions are viable and cost-effective. ZNE buildings are practical and cost-effective ways to address climate change without compromising our quality of life. ZNE buildings are an energizing concept and one that is broadly accepted yet, there is little information on what is required to actually meet these goals. This book shows that the goal is feasible and can be practically achieved in most buildings, that our construction industry is up to the challenge, and that we already have the necessary technologies and knowledge.

"The book is targeted at architects, engineers, energy consultants and green building advisors but written with 'minimal technical jargon.' That said, there is enough depth on best practices, strategies and even solutions for challenging climate zones...With this book in hand there is no excuse for not creating ZNE buildings immediately."