



The New Net Zero

Leading-Edge Design and Construction of Homes and Buildings for a Renewable Energy Future

William Maclay

Hardcover

10 x 10 • 544 pages

ISBN 9781603584487

Full-color throughout • charts and graphs • detailed illustrations • photographs

Pub Date: June 10, 2014

**For media inquiries contact
Shay Totten**

stotten@chelseagreen.com
802.295.6300 ext.125

**For author events contact
Jenna Stewart**

jstewart@chelseagreen.com
802.295.6300 ext.120



“ **This book offers a vision of how net-zero design can make our immediate surroundings—the homes and buildings we spend our days in, as well as our wider communities—fossil-fuel free** ”

The new threshold for green building is not just low energy, it's net-zero energy. In *The New Net Zero*, sustainable architect Bill Maclay charts the path for designers and builders interested in exploring green design's new frontier: net-zero-energy structures that produce as much energy as they consume, using only renewable energy sources.

In a nation where buildings comprise roughly 40 percent of the country's total fossil fuel consumption, the interest in net-zero building is growing enormously—among both designers interested in addressing climate change and consumers interested in energy efficiency and long-term savings.

Maclay, an award-winning net-zero designer whose buildings have achieved high performance goals at affordable costs, makes the case for a net-zero future; explains net-zero building metrics, integrated design practices, and renewable energy options; provides practical construction details; and shares his lessons learned on building successful teams for net-zero construction projects.

Designers and builders will find a wealth of state-of-the-art information on such considerations as air, water, and vapor barriers; embodied energy; residential and commercial net-zero standards; monitoring and commissioning; insulation options; materials; costs; and more. Maclay and his team help readers weigh options, and include information on making buildings net zero ready when plans or budgets call for a multi-year, phased-in approach.

The comprehensive overview is accompanied by several case studies, which include institutional buildings, commercial projects, and residences. Both new construction and renovation projects—even of historic buildings—are covered in detail. The book includes hundreds of color images, charts, and graphs throughout, as well as more than 150 detailed construction drawings that convey key net-zero building techniques.

The New Net Zero is geared toward professionals exploring net-zero design, but also suitable for nonprofessionals seeking ideas and strategies on net-zero options that are beautiful and renewably powered.



Bill Maclay, founder and president of Maclay Architects, pursued architecture as a career in order to make the world a better place. He has been a lecturer and educator at colleges, universities, and conferences focused on environmental design. He is also past president of the Vermont Chapter of the American Institute of Architects (AIA), and has served on the board of directors of the Vermont Businesses for Social Responsibility and the Yestermorrow Design/Build School, among other organizations.

media.chelseagreen.com/the-new-net-zero/