

# WINTERGREEN

WinterGreen is a monthly publication from **Steven Winter Associates** designed to keep you updated on the latest news and information regarding energy efficiency, sustainability, and high performance buildings.

## ONE HECK OF A HANDS-ON DEMONSTRATION: GREENBUILD LIVINGHOME 2014

Residential green building projects and products have sometimes struggled to find their place in the massive Greenbuild International Conference & Expo. Hanley Wood, which took over the event in 2013, is working to change that. This year there will be a modular green home assembled on the showroom floor at the conference, held October 22-24 in New Orleans, for attendees to tour up close and personal. Later, the home will be placed on a site owned by the Make It Right Foundation, contributing to the city's growing stock of green affordable housing.

Steven Winter Associates, Inc. (SWA) is a proud partner of the 2014 Greenbuild LivingHome. As the LEED® for Homes™ Provider and Green Rater for the project, SWA is supporting the team's goal to achieve Platinum certification under the program's v4 rating system.

The project is the result of a unique integrated design process, utilizing designers, vendors, and building science know-how from all over the country. LivingHomes, a California-based designer of green modular homes, led the process. SWA provided expertise on the new LEED for Homes v4 criteria as well as ENERGY STAR® Homes version 3. Delos provided input incorporating elements of the WELL Building Standard® and while the home won't be fully certified under the standard, building products, finishes, and furnishings were selected with occupant health and safety in mind. Vendors are using the home as an opportunity to showcase the latest and greatest in residential green building products, including Cradle to Cradle certified products and Forest Stewardship Council certified woods.

One of the stand-out LEED features of the home is the commitment to durable, resilient construction. Although the Lower Ninth Ward home lies outside the 100-year flood plain, the home will be entirely elevated above Base Flood Elevation. The site will feature permeable paving (standard on Make It Right projects) to maintain an almost entirely permeable lot for managing stormwater. All framing up to the roof trusses is treated for pest resistance. Termite barriers are installed at base plates, and a non-toxic termite bait system will surround the home. Closed cell foam, which has extremely good vapor resistance, is used to insulate the elevated floor, and a continuous drainage plane directs bulk water down and away.

Tours at Greenbuild will require reservations, so interested parties are encouraged to sign up in advance. SWA staffer Maureen Mahle ([mmahle@swinter.com](mailto:mmahle@swinter.com)) will be on hand to answer questions about the green building features of the home. A virtual tour will be live on the web soon at <http://livinghome.greenbuildexpo.com/>



## REBUILDING SANDY HOOK: LESSONS IN SUSTAINABILITY



Steven Winter  
Associates, Inc.

This year marks the third anniversary of the USGBC's Center for Green School's international community service project -- The Green Apple Day of Service, and SWA staff will be participating to support the Newtown School District in Newtown, CT.

The Sandy Hook Elementary School in conjunction with the Newtown School District is working to rebuild a safer, more secure environment for the students following the tragic events of December 14, 2012. As a resident of Newtown and a parent of children in the school district, SWA's Director of Sustainability Consulting, Andy Zumwalt-Hathaway, wanted to find a way share his passion for sustainable design with students in the district. With Green Apple Day of Service approaching -- a day where communities come together nationwide to transform schools into healthy, safe, and productive learning environment - Andy found



the perfect opportunity to do so by engaging the Newtown community in a discussion about sustainability as an important element of design and construction.

Andy contacted the Superintendent of Schools, Dr. Joseph Erardi, who was excited to participate in Green Apple Day of Service. They collaborated to form events that would focus on two important elements – sustainable design and energy efficiency.

Student groups from Newtown High School and the Sandy Hook Elementary School, currently at the former Chalk Hill Middle School in Monroe, CT, are participating in the design of the new Sandy Hook Elementary School as advisors to the design team and building committee. To further educate these students on design and construction, Andy will make a presentation to them about the importance of green building, which he hopes will leave them eager to incorporate these ideas into the design discussions. He will focus on the impact that buildings, particularly schools, have on the environment and a whole-building approach to reduce environmental impacts and create better places for children to learn.

The second event will take place at Newtown Middle School, the school identified as one of the largest consumers of energy in the district. Andy will be joined by SWA's Chris Fuller who will lead an informal energy audit with a group of students, turned "Energy Detectives," from the middle school's Tech Education class. The objective of this event is for students to gain hands-on experience with energy analysis, learn about what engineers can do to make existing buildings more energy efficient, and how they can help to identify opportunities to make buildings better.

With the design and construction of the new Sandy Hook Elementary School on the horizon, Andy stated that he hope the students "Get a good understanding of different strategies and benefits of sustainable design in the school and that they also come away with ideas to share with the design team on making the school a model of sustainability."

For more information, please contact Andy Zumwalt-Hathway at [ahathaway@swinter.com](mailto:ahathaway@swinter.com).

**CTGBC GREEN BUILDING AWARDS**

On September 18, 2014 at the Stepping Stones Museum in Norwalk, Connecticut, the Connecticut Green Building Council (CTGBC) honored three of SWA's recent Connecticut projects. Fairchild Wheeler Multi-Magnet High School, Gateway at 570, and 119 Bishop Street, New Haven were honored with 2014 Green Building Awards.



Fairchild Wheeler  
Multi-Magnet High School  
Bridgeport



Bridgeport Neighborhood Trust  
Gateway at 570  
Bridgeport



David Dickson  
119 Bishop Street  
New Haven

For more information about these projects or the 2014 Green Building Awards, visit: <http://www.prweb.com/releases/2014/09/prweb12190297.htm>



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