

Utah Home Certified To National Green Standard

June 11, 2009

Green Events:

Webinar

The Green Building Advisor website is holding a webinar titled "NAHB Green Building Certification: Welcome to the Big Tent". June 18th, 3 PM ET
[Info Link](#)

PV and Solar Design

A solar learning session for photo-voltaic and solar hot water systems, sponsored by the Utah Chapter of USGBC. June 25th, Salt Lake City
[Info](#)

Utah Has Its First Home Certified to the New National Green Building Standard

The Magleby Companies has built the first home in Utah to be certified under the National Green Building Standard. The home was completed just in time to participate in this year's Utah Valley Parade of Homes. The Gardner residence in Highland Utah was awarded the Silver Level by meeting requirements of the ICC 700-2008 National Green Building Standard, which scores homes on categories for lot development, resource efficiency, energy efficiency, water efficiency, indoor environmental quality, and building owner education.



The home excelled in the Energy Efficiency category with a well designed thermal envelope and high efficiency mechanical systems. Performance testing resulted in a HERS Index of 57, which means that the home is projected to use 63% less energy than if the home was built to just meet energy code

requirements. The home also was certified as an Energy Star Qualified Home, and meets energy requirements for the Federal Energy Efficient Home Tax Credit.



Many points were also scored under the Indoor Air Quality chapter of the standard. By using heat recovery ventilator units (HRVs) the builder was able to provide a home that is well ventilated with clean filtered outdoor air while exhausting air from bathrooms and other problem areas. The HRVs recover over 90% of the heat energy in the exhaust air and transfer this energy into the fresh outdoor air being brought into the home. This system will give the new homeowners excellent indoor air quality while minimizing heating and cooling energy costs.

Paul Magleby and his staff have long put special emphasis on building energy efficient, durable, healthy homes. By now building to the National Green Building Standard they have incorporated even more green practices into their home building. Both Paul and his Vice President of Construction Todd Christensen are accredited Green Building Professionals (CGP), a designation from the National Association of Home Builders, a further indication of their commitment to green building.

The project team included Project Manager Jeff Atkinson and Site Manager Allen Rassmussen who worked with a team of motivated craftsmen and trades contractors to build Utah's first home to meet this standard of green.

There are several home projects within Utah now in the process of achieving Green certification to the National Green Building Standard, and nation-wide over 200 residential projects have certified. For more information on NAHB Green certification to the National Green Building Standard visit www.NAHBgreen.org or ask a Certified Green Professional.

CGP Coursework Recognized by the AIA

The American Institute of Architects has approved the coursework that is required to achieve the Certified Green Professional designation. Those taking the courses *Green Building for Building Professionals* and *Business Management for Building Professionals* are eligible for AIA/CES credits (12 hours and 6 hours respectively). These classes are also eligible for Utah state contractors education credits. Note that to be designated a CGP one must meet additional eligibility requirements. For more information on the CGP designation visit

<http://www.nahb.org/page.aspx/category/sectionID=1174>

Wasatch Energy Engineering works with architects, builders, and owners to achieve greener built homes. We provide consulting and third-party certification to Energy Star, NAHB Green, and LEED for Homes programs. Additional services include heating/cooling load calculations and energy code compliance analysis, HVAC systems design, energy audits, and performance testing of building envelopes and energy systems. For more information visit www.wastachenergyengineering.com

Regards,

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