



BUILT GREEN™ News

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Electronic Newsletter for Green Residential Building

January 2008

Sponsors



James Hardie



Mission

Our mission is to promote ecologically friendly home building methods and practices, and to enhance our communities through leadership in sustainable development.

Featured Project



View the case study [here](#).

Caladonia Bay Builders and Marshall Rose Architect

Vital Stats

Location: North Seattle

Star Level: 5 Star

Checklist: Single Family / Townhome

Square Feet: 1,690

Section	Points
Site and Water	130
Energy Efficiency	166
Indoor Air Quality	145
Material Efficiency	115
House Size Multiplier	1.1
Home Total Score	611.6

This month's featured home is a 5-Star single family home in North Seattle designed by Marshall Rose, Architect and built by Caladonia Bay Builders. The home started with a careful deconstruction of the existing home on the property. The site plan included a comprehensive infiltration strategy

Feature

Save-the-Date for the 2008 Built Green® Conference!



Save the date for our annual Built Green Conference **Thursday and Friday, March 13 and 14, 2008** at the Washington State Convention & Trade Center in Seattle, WA. We are pleased to announce Van Jones and Andrew Winston as our keynote speakers.

Andrew Winston, a national leader in green business development and co-author of the highly acclaimed book, "Green to Gold," will headline March 14. Winston is founder of Winston Eco-Strategies and works with leading companies to use environmental thinking to drive growth. He has consulted with start-ups and Fortune 500 companies such as Bank of America, Reuters, Cisco, and IKEA. His book, "Green to Gold," highlights what works - and what doesn't - when companies go "green." Winston is a nationally recognized expert on green business, and has written for or appeared in Time, Newsweek, Wall Street Journal, BusinessWeek, Forbes, The New York Times, The Washington Post, ABC News, National Public Radio and CNBC.



Van Jones will be the featured keynote speaker on March 13 and will address issues of affordability in Green Building and the development of "green collar jobs." Jones is a civil rights and human rights advocate, and founder of the Ella Baker Center for Human Rights in Oakland, CA. Over the past five years, Jones has emerged as a national environmental leader, focusing on social equity and "green collar jobs." In 2005, Jones produced the "Social Equity Track" for the United Nations' World Environment Day celebration.



In addition to the keynote speakers, the conference will also contain: two days of education focusing on high-performance building techniques, green marketing, affordability and green architecture; a green expo featuring over 125 booths; book signings; and much more!

For complete information on the conference program, educational sessions, exhibits and registration, please visit our [website](#).

Sponsored by:

Non-Profit

Built Green is a non-profit 501(c)3 organization accepting donations to promote green building and education programs

Statistics

Total homes certified since 2000
12,260

Total homes certified 2007
2260

Total BG member companies
585

Resources

[Construction Works](#)

[EnergyStar](#)

[Checklists](#)

[Northwest EnergyStar](#)

including rain gardens and a green roof on the garage. The design of the building incorporated a strong energy strategy complemented by a 3.5 KW solar photovoltaic array, a solar hot water system and hydronic heating powered by a 93 to 95 percent efficient boiler.

Caladonia Bay Builders re-milled the framing from the previous home on the site into trim for the new home, and used FSC-certified wood for the new wood in the home. To improve indoor air quality, radiant heating was used throughout the home, no carpet was used and the garage was detached from the home. Finally, at less than 1,700 square feet, the home is much smaller than the King County average for single family homes.

Some of the many green features of the project include:

Site and Water Protection

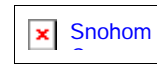
- Home was built on an infill lot
- Green roof used on garage
- Rain gardens used extensively on property
- Amended soils depth to 12 inches
- No turf grass used on property
- Use of drought tolerant plants as landscaping
- Use of rain barrels to collect rainwater
- Installation of dual flush toilets in the home
- Home is within 1/4 mile of a public transit stop

Energy Efficiency

- Estimated 49 percent reduction in whole house energy use based on energy modeling
- Designed for solar heat gain
- 3.5 KW Solar photo-voltaic system to assist in power generation
- Solar hot water system designed to provide at least 40 percent of home's hot water needs
- Entire home heated by hydronic system with 93 to 95 percent efficient boiler
- Blower door test showed air changes per hour (ACH) at less than 0.25
- Used on-demand hot water heating inside the heated space
- Solar powered outdoor lighting
- Energy Star® appliances throughout

Material Use

- Existing home de-constructed and framing lumber re-milled as trim for new home
- Use of FSC-certified wood products for dimensional lumber, beams, sheathing, and flooring
- Concrete used contained at least 25 percent by weight of fly-ash or blast furnace slag
- 50-year siding product used



If you are interested in sponsoring or exhibiting at the Built Green Conference, please visit the conference [website](#) or contact our Sales and Marketing Department at (425) 460-8219.

Featured Event

 Enterprise Seattle



Thursday, Jan. 17, Sheraton Hotel, Seattle 36th Annual Economic Forecast Conference

Join us for the leading economic forecast conference in the Northwest. Gain insight into future economic trends from a field of nationally recognized experts from The Conference Board, Federal Reserve Bank and Puget Sound Economic Forecaster. The conference will also address the economics of clean technology, and the emerging opportunities for the region. Green investment by U.S. venture-capital firms reached \$2.6 billion in the first three quarters of 2007, the highest level ever recorded, and nearly 50 percent more than the total for the whole of 2006, and research group Cleantech Venture Networks projects green venture capital investment in the U.S. to rise to \$18 billion by 2010.

This year's keynote luncheon will feature the presentation of the Puget Sound Business Journal's Executive of the Year Award, as well as the recognition of enterpriseSeattle's 2007 Economic Development Champions. Don't miss this opportunity to connect with leaders from throughout the region -- [Register Today!](#)

Events

Visit the [Built Green Washington](#) website for green home building courses and events across the state of Washington.



(formerly the Environmental Home Center) will celebrate the grand opening of their new showroom! During the month of January, we'll salute our customers and the community with the following special events:

Saturday, Jan. 5 Energy saving in the home

- Use of recycled content composite countertops
- Home contained no vinyl in windows, flooring, siding or plumbing
- Installed a metal roof
- Preserved existing foundation walls

Indoor Air Quality

- No carpet used in remodel or addition
- Hydronic heating system used throughout home, so no forced air
- Use of low VOC paints and adhesives on all surfaces
- Installation of a rain-screen system to protect home from water intrusion
- Formaldehyde-free cabinetry, trim and insulation
- Implemented healthy jobsite operation plan including use of low-toxic cleaners, mitigation of construction dust and cleaning of duct and furnace before move in
- Protection of exterior building components from moisture damage
- Extension of roof overhangs to at least 24 inches
- Central vacuum system
- 3-way waterproofing system in basement
- Cross and vertical ventilation

To see other previously featured virtual tours, [click here](#).

Case study photo by Sam Van Fleet Photography.



Letter from the Director

2007- A Year in Review

The green building movement experienced unprecedented growth in 2007, and the dramatic growth of the Built Green program reflected that rapidly rising interest in green building. Our membership grew 40% to 585 members, and 2,260 homes certified in 2007 brought our two-county total to 12,260 certified properties since 2000. Website traffic was up 50% over 2006 and 100% over 2005, and our program budget grew correspondingly allowing us to increase public awareness of the program and better service our members. This growth, along with the outstanding participation and projects of our members, resulted in Built Green being awarded the 2007 Green Building Program of the Year award by the National Association of Home Builders.

Built Green also introduced a number of new initiatives and projects in 2007. The Built Green Incentive, funded by King County Department of Natural Resources and Seattle Public Utilities, gave cash incentives between \$2,500 and \$15,000 to builders and developers for stepping up to the 4-Star and 5-Star levels of Built Green. 2007 also saw Built Green launch a certification program for real estate sales and marketing professionals at North

Join ecohaus for a special focus on energy efficiency in the home. Learn creative and easy ways to cut your energy usage including a special workshop on daylight by Jan Schaefer from Solatube at 2 p.m. and guests from Rais wood stoves and the City of Seattle. FREE

Saturday, Jan. 12

Low-toxic paints and finishes

A very special day with designers from YOLO Colorhouse doing in-store color consultations, a representative from AFM Safecoat talking about the evolution and application of the paints in his revolutionary paint line, in store demonstrations and more! FREE

Saturday, Jan. 19

Green flooring options

Join ecohaus and their special guests to talk about the healthy and ecological qualities and installation of our flooring products - including wool carpet (special presentation at 11 a.m.), Marmoleum (natural linoleum), cork (special presentation 2 p.m.) and reclaimed and FSC-certified wood flooring! FREE

Thursday, Jan. 24

Creating a green nursery with Alicia Sylva

Are you worried about toxins in your nursery? At this lecture you will gain the tools to create a better environment for your babies and small children. Presentation at 6:30 p.m. Children are welcome! ecohaus will screen movies for kids during the lecture. FREE

Saturday, Jan. 26

Green countertops

Join ecohaus for presentations about their green countertop materials. The founder of Squak Mountain stone will talk about her popular countertop material and introduce her newproduct: Trinity. Also, the ecohaus representative from Windfall Lumber will talk about their butcher blocks and countertops. Come learn about reclaimed wood and how to care for your butcher block surfaces! FREE

Saturday, Feb. 2

Grand opening celebration!!!

On this day ecohaus will celebrate the official grand opening of their new showroom! You won't want to miss this great day with special speakers, an American Clay Workshop at 11 a.m. (\$25 advance registration), awesome give-aways (including gift certificates, a Solatube Kit and American Clay) and more! Check www.ecohaus.com for updates. MOSTLY FREE

For additional information, please contact ecohaus via the company [website](#).



Classes

Classes listed below are approved workshops for fulfilling the annual Built Green education requirement for certifying projects.

Tuesday, Feb. 12, MBA Housing Center, Bellevue Introduction to Built Green®

This seminar provides an introduction to the Built Green program from 8 a.m. to 10 a.m. on Tuesday, February 12 at MBA Housing Center, 335 116th

Seattle Community College, the greening of the Seattle Street of Dreams highlighted Built Green for custom and luxury projects, and the Highpoint and Greenbridge communities showcased Built Green for subsidized and affordable projects.

Finally, in what may prove to be the biggest catalyst for shifting the market toward green building, Built Green was included in a new "environmental certification" category on the Northwest Multiple Listings Service form for the listing of new properties.

2007 was a very successful year for Built Green. We enter 2008 with hopes to continue our growth, improve the initiatives we introduced in 2007 while continuing to introduce new initiatives to expand awareness of green building, and further transition the mainstream building market toward sustainability.

- [Aaron Adelstein](#)



New Members

Are you a Built Green member and a member of the Master Builders Association? Then your company is designated with a small green tree on the Master Builders Association [website](#) as a Built Green member. Your company is also listed on the Built Green [website](#).

Welcome to our newest member companies!

[Architectural Resources Group PLLC](#)

When the Design of Your Project is the Issue.
(206) 919-5840 in Bothell

[Build Construction Services](#)

(206) 935-2395 in Seattle

[Certainteed Fibercement](#)

(206) 484-0114 in Renton

[Ferguson Enterprises](#)

(206) 767-7700 in Seattle

[Home Resource Network](#)

A free referral service linking home owners to quality, pre-screened, dependable green builders
(206) 524-4981 in Seattle

[Ikka Construction LLC](#)

(206) 335-1796 in Seattle

[J T Electrical Services Inc](#)

Electrical Services
(425) 881-5880 in Redmond

[Odyssey Builders Inc](#)

(206) 440-9753 in Seattle

[Old Republic Title & Escrow](#)

Simply Green with a Little Blue. We set the standards with hyperlink reports.
(206) 441-1955 in Seattle

[Pervious Concrete Inc](#)

(425) 308-5555 in Snohomish

Ave. SE in Bellevue. Learn how to certify a project and use the checklist, how to join, how the program works and other resources. The seminar presents examples of projects and covers how to fill out the Built Green checklist. ***This orientation has a cost of \$30 and is required in order to certify homes as Built Green.*** To register, contact the MBA University registrar at education@mbaks.com or go [online](#).



New Certifications

Congratulations to [Devoted Builders](#) for certifying 27 homes in the Mediterranean Villas Community in Pasco as **3-Star** Built Green; [DR Horton](#) for certifying one home on W. Lake Sammamish Parkway SE in Issaquah as **3-Star** Built Green; **Greenleaf Construction** for certifying 5 homes on 18th Avenue and 15th Avenue S in Seattle as **4-Star** Built Green; [Grif'N'Hook Construction](#) for certifying 4 remodeled condos on 14th Avenue S in Seattle as **3-Star** Built Green; [Howland Homes](#) for certifying 8 homes on Interlake Avenue N in Seattle as **3-Star** Built Green; **Lodwig Homes** for certifying one home on E. Wyoming Street in Manchester as **4-Star** Built Green; and [WG Clark Construction Company](#) for certifying the Heathman Hotel in Downtown Kirkland as **1-Star** Built Green!



Contact Built Green

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[Master Builders Association Calendar of Events](#)

If you have news items for this newsletter, please send us an [email](#). Click here for [Directions](#) to the Master Builders Association.



[Rite Painting](#)
Rite Color, Nice Home.
(206) 229-8313 in Kenmore

[Shed Seattle LLC](#)
(206) 320-8700 in Seattle

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