

DESIGN & BUILD WITH FSC

# 2011 AWARD *winners*



FOREST  
STEWARDSHIP  
COUNCIL

The **FOREST STEWARDSHIP COUNCIL US** recognizes the best commercial and residential construction projects each year, based on innovative use of FSC-certified wood products.

Announced during Greenbuild, the award-winning projects demonstrate the benefits and practicality of using products from responsibly managed forests.

Winning projects are selected based on the following criteria:

- **QUANTITY** of FSC-certified products used
- **INNOVATIVE** use of FSC-certified products
- **EXTENT OF SUPPLY CHAIN** development resulting from the project

Collectively, these projects demonstrate that use of FSC-certified wood delivers benefits to the forest and the marketplace, and that wood from responsibly managed forests can meet all design and construction needs.

The following is a summary of the winning projects from 2011.

**PICTURED** Commercial Winner, 2011

Hawaii Preparatory Academy Energy Research Lab

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**COMMERCIAL WINNER** Kamuela, HI

## Hawaii Preparatory Academy Energy Research Lab

**Architect** Flansburgh Architects // **Builder** Quality Builders, Inc.

Awarded LEED Platinum and certified by the Living Building Challenge, the Hawaii Preparatory Academy (HPA) Energy Research Lab demonstrates an extraordinary commitment to forest health, even when the sources are by necessity 3,000 miles away. 100% of this wood-intensive project was FSC-certified or salvaged.

This 6,112 square-foot laboratory used FSC-certified glu-laminated roof beams, framing, roof decking, siding, millwork, and lab workbenches.

In reverence to Native Hawaiian culture, the project team installed a symbolic “Ohia” support column that was sourced from standing dead wood in a local forest.

The team’s efforts to follow FSC chain-of-custody standards were “transformational”, according to Flansburgh Architects, and led to a more holistic consideration and understanding of material life cycles across the project. ■

**RESIDENTIAL WINNER** Issaquah, WA



## zHome

**Architect & General Contractor** Vandervort Architects  
// **Owner** Ichijo USA Co., LTD.

zHome is a 10-unit, 14,000 square-foot townhome development in the Seattle suburb of Issaquah. The project received the highest-ever certification score by Built Green, a program of the Master Builders Association of King and Snohomish Counties. The project's zero net energy achievement and high level FSC-certified wood usage contributed significantly to the record score. zHome is a remarkable example of the application of FSC-certified wood in speculative multifamily construction.

Nearly all the project's framing lumber was FSC certified, sourced from Oregon and installed using advancing framing methods. Millwork was custom built in

Washington with FSC-certified maple from Michigan. The project team also selected FSC-certified bamboo for flooring and FSC-certified Tigerwood for stair stringers, and limited exterior features.

The public-private project team, which included Ichijo USA, the City of Issaquah, Built Green, King County, Port Blakely Communities, Puget Sound Energy, and Washington State University Energy Program, remained steadfast in their commitment that 75 percent of the wood should come from FSC-certified or salvaged sources. In the end 78 percent was FSC certified and 9 percent was salvaged. ■

**COMMERCIAL HONORABLE MENTION** Seattle, WA

## Bertschi School Living Science Building

**Architect** KMD Architects // **Builder** Skanska USA Building

Designed and constructed in the northwest modern tradition of prominently featured wood, the Bertschi School Living Science Building is a 1,425 square-foot elementary school wing. As a candidate for Living Building certification, Bertschi pursued the use of FSC-certified wood at every opportunity, as well as actively expanded the supply chain for FSC materials.

All of the wood used is FSC-certified, featured in the school's cedar siding as well as interior materials such as glu-lams, structural lumber, and innovative OSB surface of the SIPS panel roof.

Host of TV show *The Outdoor Room*, Jamie Durie, calls Bertschi School a "permanent billboard to the youth of Seattle about the importance of FSC materials." The development actively engages youth in the history and importance of FSC certification while serving as a model for learning. ■



RESIDENTIAL HONORABLE MENTION

Portland, OR

## Von Hagen/Kirkpatrick Addition

**Architect & Builder** Green Hammer, Inc.

The first FSC Chain-of-Custody certified project in the United States, Von Hagen/Kirkpatrick Addition integrates FSC-certified wood into every aspect of design aesthetics and functionality. The extensive use of FSC-certified wood brings a contemporary style to this 1926 home, while maintaining a natural environment and maximizing insulation. The addition requires no other heating or cooling equipment outside of the wood's natural insulation, using FSC wood to meet the highest energy performance standard in use today.

100 percent of the wood used in this 335 square-foot addition is FSC-certified, showcased in the interior's fir trim, shiplap-paneled ceiling and structural beams spanning the second story, as well as the exterior siding.

Green Hammer has successfully built a broad and dependable supply chain for FSC-certified materials. The Von Hagen/Kirkpatrick Addition serves as an exceptional, replicable showcase for the possibilities within FSC Chain-of-Custody project certification and home renovation. ■



RESIDENTIAL HONORABLE MENTION Beaverton, OR

## Ecobeaver

**Architect** DMS Architects // **Builder** Mountainwood Homes

Set against a backdrop of the western foothills in the Cascade Mountains, Ecobeaver uses innovative architectural design and 100 percent FSC-certified wood to integrate the project into the local landscape. The three-story, 2,400 square-foot residence and office space features maple flooring from local certified forests, certified glu-laminated beams, cedar cabinets and counters from locally repurposed wood, a cedar deck, and windows trimmed with local, certified Douglas Fir.

The team's commitment to procuring 100 percent FSC-certified wood strengthened the knowledge of wood sourcing and importance of certification for the project designer, architect, builder, contractor, and suppliers, and is the central focus of an ongoing blog in the state's largest newspaper.

From design to construction, FSC-certified materials were fundamental to the home's development. Ecobeaver Project is a candidate for FSC Project Certification, and sets an inspiring yet practical example of FSC market growth. ■



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