WHEN IS THE BEST TIME TO MAKE A HOUSE GREEN?
START WITH SUSTAINABLE FORESTRY PRACTICES

EFFICIENTLY MANUFACTURE BUILDING PRODUCTS

MAKE IT GREEN EVERY STEP
FROM THE FOREST FLOOR TO A FINISHED HOME, BUILD GREEN WITH WEYERHAEUSER.

DEVELOP SOFTWARE THAT MAXIMIZES PERFORMANCE WITH MINIMUM WASTE
CREATE CONSTRUCTION TECHNIQUES
THAT SAVE ENERGY AND LABOR

OF THE WAY.

BUILD A BETTER HOME
FOR PEOPLE AND THE PLANET
As owners and stewards of millions of acres of forestlands, Weyerhaeuser is committed to sustainable forestry. We replant at the first opportunity after harvesting trees, or use planned natural-regeneration methods, to ensure the availability of forests for future generations. We manage our timberlands for soil productivity, water quality, and wildlife habitat. These are sustainable forestry practices—and we are committed to them.

- We created the nation’s first tree farm in 1941.
- Our leadership in research and development enables us to produce trees that grow faster, straighter, and stronger.
- Our investment in technology allows us to grow trees on the forestland we own at two to three times the rate of comparable unmanaged forests.
- We harvest only 1–3% of the forests we manage every year.
- 100% of our forests in the U.S. and Canada are independently certified to sustainable forestry standards.
- We’ve taken sustainability beyond our forests, and all of the products we manufacture are now independently certified to sustainable forestry standards.
WE PLANT MORE THAN
50,000,000
SEEDLINGS EACH YEAR
WE TREAT OUR WOOD LIKE IT’S A TECHNOLOGICALLY ADVANCED COMPONENT. BECAUSE IT IS.

Weyerhaeuser has an advantage. We manage our forests so we’re able to use technology to grow trees that produce straighter, more consistent building materials. Our sustained commitment to forestry research translates to an efficient use of materials and a better structural frame.

- Our lumber provides more predictable performance. This means less waste and more efficient use of resources.
- We performance-test every piece of Weyerhaeuser Framer Series® and Pro Series™ lumber to make sure it’s suited for its use, to help eliminate overbuilding.
- We utilize the latest computer-assisted grading, process control, and efficient manufacturing practices to provide superior products.
- Our cutting-edge manufacturing techniques optimize each log and piece of lumber—dramatically reducing waste.
- On average, we use 95% of each log to produce Weyerhaeuser and Trus Joist® wood products, and to generate energy.
WE USE 95% OF EVERY LOG
Trus Joist products have revolutionized wood-framed construction. We’ve invested more than four decades of research into developing several patented manufacturing technologies to create our engineered wood products. These pioneering technologies have allowed us to use the wood fiber from trees that are less suitable for structural lumber, and efficiently turn them into strong, predictable building materials.

- Our products create better-performing homes that can be built using less material.
- More than half of the energy needed to make Trus Joist engineered wood products comes from by-products of the manufacturing process.
- Urea formaldehyde resins are not added to any of our products.
- On average, we use 95% of each log to produce Weyerhaeuser and Trus Joist® wood products, and to generate energy.
WE ADD 0 UREA FORMALDEHYDE RESINS TO OUR PRODUCTS
REDUCING WASTE
HAS AS MUCH TO DO WITH OUR SOFTWARE
AS WITH OUR WOOD.

Weyerhaeuser is unique in that we offer a group of products designed to work together as a system. Our software tools generate accurate material lists through estimating, modeling and design, operations, and collaborating processes. Utilizing the predictable performance of our lumber and engineered wood products, our software applications, such as Javelin® structural frame design software, create an optimized frame.

- 3-D modeling capabilities allow builders and dealers to interact with the structural frame, finding potential conflicts that can be solved while still in the planning stages.

- Software and collaboration tools enable increased efficiencies when making changes, and savings in transportation costs and job site waste.

- Better load distribution and better analysis allow designers to put the right amount of material where it is needed, and eliminate it where it is not required.
FRAMING A HOUSE WITH WOOD PRODUCTS USES ABOUT 16% LESS EMBODIED ENERGY THAN A HOUSE BUILT WITH STEEL OR CONCRETE
Weyerhaeuser is committed to streamlining the construction process. We’ve created innovative products and solutions that deliver the precise materials directly to a job site. Our NextPhase® Site Solutions provide a comprehensive package of structural building products, services, software, and fabrication equipment to help increase efficiencies, and reduce cycle time.

- Working with our dealers, we offer precision-cut materials with pre-drilled holes and premanufactured panel sections that can save energy and labor, and help reduce jobsite wood waste.

- These construction techniques help avoid additional fuel and energy consumption from shipping replacement products for mis-cuts and damaged material.

- Through these integrated framing solutions, Weyerhaeuser is creating 50% more efficiency at the job site.
WE HELP CREATE 50% MORE EFFICIENCY AT THE JOB SITE
THE TIME TO MAKE A HOME GREEN IS WAY BEFORE YOU PICK THE PAINT.

At Weyerhaeuser we believe our responsibilities go well beyond making products.

- We have committed to reduce greenhouse gas emissions by 40% and water usage by 20% by 2020. In 2011, greenhouse gas emissions were 31% less than in 2000 and water use was at least 19% less than in 2007.
- We are committed to improve energy efficiency by 20% by 2020. We have also committed to reduce solid waste to landfills and air emissions by 10% compared to 2010 levels.

For us, building green doesn’t start at the job site, it starts in the forest. Weyerhaeuser is managing timberlands and producing wood products in environmentally responsible ways. And we use proprietary technologies, from manufacturing to design software, to optimize every tree.

Trees are an ideal building material. They are renewable and during photosynthesis trees absorb carbon dioxide, a greenhouse gas, from the air and give off oxygen. All of this carbon continues to be stored in the wood after harvesting, and is used to make Weyerhaeuser’s resource-efficient building materials. In 2012, we sequestered 3.9 million metric tons of CO\textsubscript{2} in our products, or 4.6 million million metric tons in both our forests and products.

We make green building simple. Our products and services comply with major green building standards, including LEED\textsuperscript{®}, Green Globes\textsuperscript{™}, the International Green Construction Code (IgCC), and the National Green Building Standard\textsuperscript{™}. We’re proud to be the first to have our entire product line recognized as Green Certified by Home Innovation Research Labs. Visit woodbywy.com/greenbuilding for green building resources.
IN 2012
OUR PRODUCTS AND FORESTS
LOCKED UP MORE THAN
4,600,000
TONS OF CO₂