

Softwood Lumber Product Environmental Profile

We use environmentally sound practices and our products are sourced from responsibly managed forests.

ANNUAL DATA FOR 2013

PRODUCT

Name/Description: Weyerhaeuser® Lumber
 Mill location(s): Drayton Valley, AB; Grande Prairie, AB; Millport, AL; Dierks, AR; Princeton, BC; Dodson, LA; Holden, LA; Bruce, MS; McComb, MS; Philadelphia, MS; Greenville, NC; New Bern, NC; Plymouth, NC; Idabel, OK; Cottage Grove, OR; Santiam, OR; Raymond, WA; Longview, WA

FIBER SOURCING

Category ⁽¹⁾	Amount
Certified ⁽²⁾	82%
Responsible ⁽³⁾	100%
Non-controversial ⁽⁴⁾	100%
Country of harvest	United States & Canada
Certifications	See reverse

PRODUCT COMPOSITION

Wood fiber 100%

SPECIES

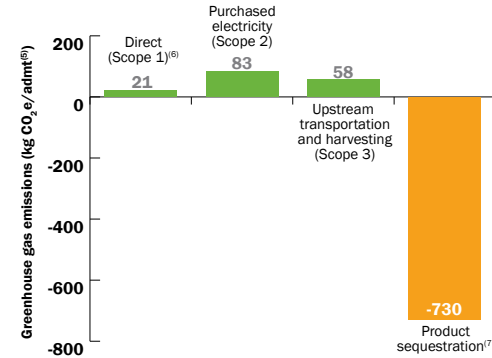
U.S.

Douglas-fir— <i>Psuedotsuga menziesii</i>	Slash pine— <i>Pinus elliottii</i>
Loblolly pine— <i>Pinus taeda</i>	Spruce pine— <i>Pinus glabra</i>
Longleaf pine— <i>Pinus palustris</i>	Virginia pine— <i>Pinus virginiana</i>
Pond pine— <i>Pinus serotina</i>	Western hemlock— <i>Tsuga heterophylla</i>
Sand pine— <i>Pinus clausa</i>	White pine— <i>Pinus strobes</i>
Shortleaf pine— <i>Pinus echinata</i>	

Canada

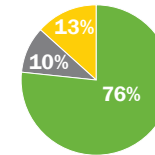
Balsam fir— <i>Abies balsamea</i>	Lodgepole pine— <i>Pinus contorta</i>
Black spruce— <i>Picea mariana</i>	Subalpine fir— <i>Abies lasiocarpa</i>
Douglas-fir— <i>Psuedotsuga menziesii</i>	Western hemlock— <i>Tsuga heterophylla</i>
Engelmann spruce— <i>Picea engelmannii</i>	White spruce— <i>Picea glauca</i>

CARBON FOOTPRINT



ENERGY USED IN MANUFACTURING

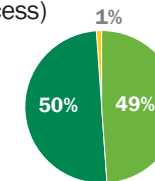
- Biomass (e.g., wood residuals)
- Fossil fuel
- Purchased electricity



RESIDUALS MANAGEMENT

(Remaining material from manufacturing process)

- Burned for energy
- Beneficially reused (e.g., land applied, recycled)
- Landfilled
- Incinerated or disposed in permitted hazardous waste facilities (not shown on chart; <1%)



AIR

Carbon monoxide:	2.41 kg/admt
Nitrous oxide (NO _x):	0.39 kg/admt
Particulate matter (PM):	0.37 kg/admt
Sulfur dioxide (SO ₂):	0.06 kg/admt
Volatile organic compounds (VOC):	1.52 kg/admt

WATER

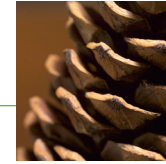
Water used in the production of products is generally reused in the process or discharged into an approved water treatment facility. Storm water at these facilities is managed according to all federal, state and local regulations.



For more information, visit www.wy.com/sustainability and www.woodbywy.com.



Weyerhaeuser at a glance



SUSTAINABLE FORESTRY

We manage forests for both wood production and the ecosystem services they provide. These include clean water, habitat for fish and wildlife, and sites of cultural, historic and scenic importance. We implement landscape-level forest management as part of our compliance with the Sustainable Forestry Initiative® (SFI) standard. Over the past five years, we have planted more than 321 million tree seedlings.

CERTIFICATION AND PRODUCT LABELING

Nearly all of our manufacturing facilities and all of our forests have environmental management systems that align with the ISO 14001 standard. All of our forests are certified to sustainable forestry standards. And, nearly all of our North American-made forest products are eligible to use a sustainable forestry label.

CERTIFICATION

	Certification #	Expiration Date
Millport, Bruce, Philadelphia, Greenville & New Bern		(MM-DD-YY)
SFI Certified Sourcing	CERT-0075832	12-12-16
SFI Chain of Custody	SAI-SFICOC-013349	05-13-18
PEFC Chain of Custody	SAI-PEFC-013349	05-12-18
FSC Chain of Custody	QMI-COC-001330	05-15-18
FSC Controlled Wood	QMI-CW-001330	05-15-18
Raymond, Longview, Cottage Grove & Santiam		
SFI Forest Mgmt & Certified Sourcing	CERT-0068767	09-25-16
SFI Chain of Custody	SAI-SFICOC-013349	05-13-18
PEFC Chain of Custody	SAI-PEFC-013349	05-12-18
FSC Chain of Custody	QMI-COC-001330	05-15-18
FSC Controlled Wood	QMI-CW-001330	05-15-18
Grande Prairie, Drayton Valley & Princeton		
SFI Certified Sourcing	CERT-0068742	02-04-16
SFI Chain of Custody	SAI-SFICOC-013349	05-13-18
PEFC Chain of Custody	SAI-PEFC-013349	05-12-18

- ⁽¹⁾ Per ASTM D7612-10 Standard Practice for Categorizing Wood and Wood-Based Products According to Their Fiber Sources.
- ⁽²⁾ Average certified content for wood purchased by all facilities. Verification: selected facilities certified to the SFI & PEFC Chain of Custody standards.
- ⁽³⁾ Verification: all facilities certified to the SFI Certified Sourcing Standard.
- ⁽⁴⁾ All forest-based raw material sourced in North America. Verification: selected facilities certified to the SFI, PEFC & FSC Chain of Custody Standards and FSC Controlled Wood Standard.
- ⁽⁵⁾ Carbon dioxide equivalent (CO₂e) is the standard metric used to compare emissions from various GHGs based on their global warming potential. GHG values include carbon dioxide, methane, nitrous oxide, HFCs, PFCs and SF6 (if any). For example, the global warming potential for methane is 21, so one ton of methane emissions is equivalent to 21 tons of carbon dioxide (21 CO₂e). Kilogram (kg). Air dry metric ton (ADMT).
- ⁽⁶⁾ Direct emissions (Scope 1) are from sources owned or controlled by Weyerhaeuser.
- ⁽⁷⁾ Product sequestration is the amount of carbon (shown as equivalent amount of CO₂) that remains in the finished product for 100 years. This calculation is done using the ICFPA/NCASI Tools for Calculating Biomass Carbon Stored in Forest Products In-Use, Version 1.0a.

PROCUREMENT SYSTEM CERTIFICATION

All of our mills are independently certified as meeting the procurement provisions of the SFI Certified Sourcing standard. This means:

- We know the areas and types of suppliers our wood comes from.
- We do not knowingly purchase wood, wood fiber, or products for distribution that originate from illegal logging.
- We use independent auditors.
- We reach out to and educate family forest owners about sustainable forestry.

CLIMATE CHANGE

We are committed to reducing our greenhouse gas emissions 40 percent by 2020, compared to a 2000 baseline. Our primary path to achieve this goal is to derive more energy from carbon-neutral biomass to meet the needs of our manufacturing operations. By the end of 2013, we reduced our absolute emissions by 28 percent.

WATER USE

Our goal is to reduce water use at our Cellulose Fibers mills 32 percent by 2020, using a 2007 baseline. By the end of 2013, we achieved a 20-percent reduction.

RESIDUALS MANAGEMENT

We use an average of 98 percent of each log in our manufacturing processes. Once our lumber is milled, the residuals of the milling process are used to make additional products (such as pulp, paper, OSB) and/or generate energy for our facilities.

ENERGY USE

Through the use of renewable and carbon-neutral biomass fuels, such as wood residuals and other organic byproducts, we generate more than two-thirds of the amount of energy used in our manufacturing operations each year. Increasing the use of renewable biomass-based fuels reduces the use of fossil fuels and associated carbon dioxide emissions to the atmosphere.