

NORPAC Product Environmental Profile

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

ANNUAL DATA FOR 2013



PRODUCT

Name/Description: Newsprint, printing and publishing papers
 Mill location(s): Longview, WA

FIBER SOURCING

Category ⁽¹⁾	Amount
Certified ⁽²⁾	74% virgin fiber 12% recycled fiber
Responsible ⁽³⁾	100%
Non-controversial ⁽⁴⁾	100%
Country of harvest	United States and Canada
Certifications	See reverse

PRODUCT COMPOSITION

Softwood and hardwood chips
 Precipitated calcium carbonate (PCC)
 Recycled printing and writing papers
 Semi-bleached kraft (SBK)

SPECIES⁽⁵⁾

Primary

Cottonwood—*Populus deltoites* and *Populus nigra*
 Douglas-fir—*Pseudotsuga menziesii*
 Western hemlock—*Tsuga heterophylla*

Secondary

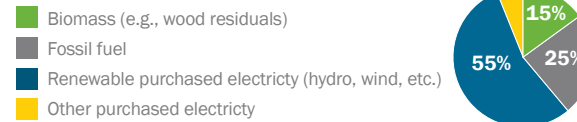
Black cottonwood—*Populus trichocarpa*
 Eastern cottonwood—*Populus deltoides*
 Grand fir—*Abies grandis*
 Lodgepole pine—*Pinus contorta*
 Noble fir—*Abies procera*
 Ponderosa pine—*Pinus ponderosa*
 Silver fir—*Abies amabilis*
 Sitka spruce—*Picea sitchensis*
 Spruce—*Picea engelmanni*
 Sugar pine—*Pinus lambertiana*
 White fir—*Abies concolor*

CARBON FOOTPRINT

All GHG⁽⁶⁾ emissions: 421 kg CO₂e⁽⁷⁾/admt⁽⁸⁾

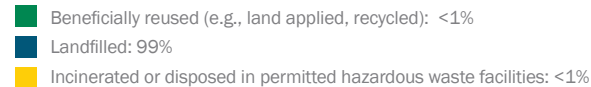


ENERGY SOURCES (GROSS)



RESIDUALS MANAGEMENT

All residuals: 33 kg/admt of production



AIR

Carbon monoxide (CO): 0.28 kg/admt
 Nitrogen oxides (NOx): 0.01 kg/admt
 Particulate matter (PM): 0.01 kg/admt
 Volatile organic compounds (VOC): 0.35 kg/admt

WATER

Total suspended solids (TSS): 2.58 kg/admt
 Biological oxygen demand (BOD): 1.19 kg/admt
 Water discharged: 30 m³/admt

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

10/23/2014



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.

	<u>Certification #</u>	<u>Expiration Date</u> (MM-DD-YY)
Longview		
SFI 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

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.

- ⁽¹⁾ Per ASTM D7612-10 Standard Practice for Categorizing Wood and Wood-Based Products According to Their Fiber Sources.
- ⁽²⁾ Average volume of wood originating from certified forests. A portion is available certified to the SFI and PEFC chain of custody standards.
- ⁽³⁾ Certified to the SFI Certified Sourcing standard.
- ⁽⁴⁾ All forest-based raw material is sourced in North America and certified to the SFI Certified Sourcing standard.
- ⁽⁵⁾ Primary species make up all or most of the product. Secondary species are all those that could be in the product, even in minimal amounts.
- ⁽⁶⁾ Greenhouse gases (GHG) include carbon dioxide, methane, nitrous oxide, HFCs, PFCs and SF6.
- ⁽⁷⁾ Kilogram (kg); Carbon dioxide equivalent (CO₂e) is the standard metric used to compare emissions from various GHGs based on their global warming potential. For example, the global warming potential for methane is 25, so 1 ton of methane emissions is equivalent to 25 tons of carbon dioxide (25 CO₂e).
- ⁽⁸⁾ Air dry metric ton (admt).
- ⁽⁹⁾ Direct emissions (Scope 1) are from sources owned or controlled by Weyerhaeuser.
- ⁽¹⁰⁾ Includes embodied emissions from pulping additives as well as upstream emissions from kraft pulp and steam made at a separate facility and blended with the pulp made at NORPAC.