

## ABBREVIATIONS

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APA	APA- The Engineered Wood Association
BF	Board foot
CtoG	Cradle-to-gate
Cubic foot	ft <sup>3</sup>
Cubic meter	m <sup>3</sup>
EPDs	Environmental Product Declarations
FBC	Fluidized Bed Combustors
GtoG	Gate-to-gate
GWP	Global Warming Potential
ISO	International Organization for Standardization
LCA	Life Cycle Assessment
LCI	Life Cycle Inventory
LCIA	Life Cycle Impact Assessment
MF	Melamine formaldehyde resin
MSR	Machine Stressed Rated
PCR	Product Category Rules
ODKg	Oven-dry weight of wood in kilograms
TRACI	Tool for the Reduction and Assessment of Chemical and Other Environmental Impacts
tkm	Metric tonne - kilometers

## REGIONS

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PNW Pacific Northwest

SE Southeast

NE – NC Northeast – Northcentral

INW Inland Northwest

## PRODUCTS

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LVL Laminated Veneer Lumber

MDF Medium Density Fiberboard

PB Particleboard

OSB Oriented Strand Board

Glulam Glued laminated timbers

CLT Cross-Laminated Timber

LSL Laminated Strand Lumber

Plywood

Lumber

Redwood Decking

Hardboard

Cellulosic

Fiberboard

## GLOSSARY OF TERMS<sup>1</sup>

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**Allocation** – A way of dividing emissions and resource use among the different products of a process. The partitioning can be made on weight basis, energy content, or economic value.

**Cradle-to-gate** – LCA model which includes upstream part of the product life cycle, i.e. all steps from raw material extraction to product at factory gate.

**Declared Unit<sup>2</sup>** - Quantity of a wood building product for use as a reference unit, e.g. mass, volume, for the expression of environmental information needed in information modules.

**Functional Unit** – expresses the function of studied product in quantitative terms and serves as basis for calculations. It is the reference flow to which other flows in the LCA are related. It also serves as a unit of comparison in comparative studies.

**Life Cycle Assessment (LCA)** – Method for the environmental assessment of products covering their lifecycle from raw material extraction to waste treatment

**Life Cycle Inventory (LCI)** – LCA study that goes as far as an inventory analysis, but does not include impact assessment.

**Life Cycle Impact Assessment (LCIA)** – Phase of an LCA study during which the environmental impacts of the product are assessed and evaluated.

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<sup>1</sup> Baumann, H. and A-M. Tillman. 2004. The Hitch Hiker's Guide to LCA – An orientation in life cycle assessment methodology and application. Studentlitteratur AB, Lund, Sweden

<sup>2</sup> FP Innovations. Product Category Rules (PCR) for preparing an Environmental Product Declaration (EPD), For North American Structural and Architectural Wood Products June 2015.

## GLOSSARY OF TERMS *cont'd*

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**Machine Stressed Rated Lumber** – is intended for broad range of engineered applications where low variability in strength and stiffness properties is primary product considerations<sup>3</sup>.

**Product Category Rules (PCR)**<sup>4</sup> – Set of specific rules, requirements and guidelines for the development of type III environmental declarations for one or more product categories (ISO 14025)

**System boundary**<sup>5</sup> – A set of criteria that specifies which unit processes are part of a product system (adapted from ISO 14044)

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<sup>3</sup> <http://www.wwpa.org/western-lumber/structural-lumber/structural-lumber-overview>.

<sup>4</sup> FP Innovations. Product Category Rules (PCR) for preparing an Environmental Product Declaration (EPD), For North American Structural and Architectural Wood Products. June 2015.

<sup>5</sup> FP Innovations. Product Category Rules (PCR) for preparing an Environmental Product Declaration (EPD), For North American Structural and Architectural Wood Products. June 2015.