

Wood LCI Dataset

Functional unit: 1000 board feet Green Lumber

1 Material Inputs		Unit
Main material inputs		
Wood Fiber	6.33E+02	kg
Land use		
Primary ancillary materials		
Hydraulic Fluids	2.50E-01	L
Greases	4.56E-02	kg
Motor Oils	1.68E-01	L
End Paint	1.08E-02	L
Polyethylene Sheet	5.45E-04	kg
Lumber Wrap	1.39E-01	kg
Steel Strapping	4.58E-01	kg

2 Energy		Unit
Total	1.14E+03	MJ
Process Non-electric	6.45E+02	MJ
Fuel oil	2.00E+00	MJ
Diesel	3.69E+02	MJ
Gasoline	3.60E+01	MJ
Natural Gas	3.40E+01	MJ
Hogfuel	1.95E+02	MJ
Propane	8.00E+00	MJ
Process Electric	3.99E+02	MJ
Transportation	9.40E+01	MJ

3 Water Use		Unit
Total water	3.00E+01	L
Fuel related water	7.00E+00	L
Process related water	2.30E+01	L

4 Emissions to Air		Unit
Carbon dioxide	7.04E+01	kg
CO2 fossil fuel	5.45E+01	kg
CO2 biomass	1.59E+01	kg

Carbon monoxide	5.71E-01	kg
Sulphur oxides (reported as SO ₂)	1.83E-01	kg
Nitrogen oxides (reported as NO ₂)	6.46E-01	kg
Methane	3.05E-02	kg
Dust & particles (includes metals)	2.05E-01	kg
Acid gases		
NMHC (non-methane hydrocarbons)	1.07E-01	kg
VOC		
Hydrocarbons (unspecified)		
Nitrogen		
Other organic compounds		
Other		

5 Emissions to Water		Unit
Phosphates and ammonia		
Oils and greases	2.59E-06	kg
Suspended solids	7.22E-03	kg
Other organics	3.67E-02	kg
Other		
Hydrocarbons		
Metals		
Heavy Metals	0	kg
Acids		
BOD	3.05E-03	kg
COD	1.45E-05	kg
Salinity		
Dissolved solids	6.27E-02	kg

6 Wastes		Unit
Total waste	2.01E+01	kg
Process related wastes	2.00E+01	kg
Municipal wastes	2.00E-01	kg
Emissions to Land		
RCRA D		
RCRA C		
Emissions to Deepwell		
RCRA D		
RCRA C		