

Forest wood – current uses

→ Table 1

Feedstock	Supply	Share	Used volumes	Share	Material / Energy	Used for	Ranking
Timber / logs	452 TWh	27%	253 TWh	15%	Material	→ Construction (timber) → Furniture (solid wood)	●
Industry wood	1,198 TWh	73%	425 TWh	26%	Material	→ Pulp & paper → Particle boards → Textile (wood fibre)	●
			183 TWh (black liquor from paper production)	11%	Energy	→ Process heat (>500°C) → Aviation, shipping (adv. bio-fuel, methanol / gasification) → Road transport (adv. biofuel – methanol – gasification)	●
			789 TWh	47%	Energy	→ Space heat → District heat → Process heat → Electricity	●

Total biomass supply (2,280 TWh)

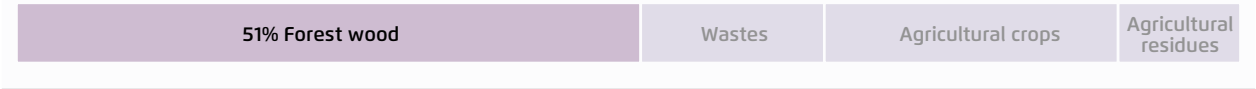


Forest wood – uses 2050

→ Table 2

Feedstock	Supply	Share	Used volumes	Share	Material / Energy	Used for	Ranking
Timber logs	574 TWh	42%	354 TWh	26%	Material	→ Construction wood (timber) → Furniture (solid wood)	●
Industry wood	789 TWh	58%	473 TWh	35%	Material	→ Pulp & paper → Particle boards → Textile (wood fibre)	●
			225 TWh (black liquor from paper production)	16%	Energy	→ Process heat (>500°C)	●
			311 TWh	23%	Energy	→ Space heat (saw dust) → Process heat (>500°C)	●

Total biomass supply (2,664 TWh)



Favourable → unfavourable



Agora Energiewende (2026): from Ifeu (2026), based on Agora Energiewende (2023) and Agora Agriculture (2024). Note: Used volumes for construction and furniture exclude sawdust, a process waste from sawmills. Sawdust is included in used volumes for pulp & paper and particle boards. Black liquor is a process waste from pulp & paper. Industry wood includes residues (≈40TWh eq.). 2020 and 2050 data based on the Agora biomass scenario for energy and materials.