

Energy applications per sector – 2050

→ Table 9

Energy use 2050	Feedstock type	Demand / feedstock	Share of total demand		Ranking
Heat (space, district and process heat)	Manure (biogas / methane)	45 TWh	4%	67%	
	Biowaste, sewage sludge etc. (biogas/methane)	58 TWh	5%		
	Landscape material (biogas / methane)	38 TWh	3%		
	Black liquor (solid biofuel)	225 TWh	19%		
	Used wood (solid biofuel)	38 TWh	3%		
	SRC (solid biofuel)	65 TWh	6%		
	Industry wood (inc. forest residues and by-products) (solid biofuel)	236 TWh	20%		
	Saw dust	75 TWh	6%		
Electricity	Biowaste, sewage sludge etc., used wood	66 TWh	6%	8%	
	Manure	25 TWh	2%		
	Landscape material	5 TWh	< 1%		
	SRC (solid biofuel)	5 TWh	< 1%		
Aviation	UCO / animal fat (conventional biofuel)	45 TWh	4%	25%	
	Landscape material (biomethanol via gasification)	30 TWh	3%		
	SRC (biomethanol via gasification)	214 TWh	18%		
Total biomass demand (2,664 TWh)					
44% Energy		Materials			

Favourable → unfavourable

Agora Energiewende (2026): from Ifeu (2026), based on Agora Energiewende (2023) and Agora Agriculture (2024). Note: SRC stands for short rotation coppices; this category covers fast growing trees, grasses, paludiculture. Data based on the Agora biomass scenario for energy and materials.