

Biomass conversion technologies are summarized in
the following table:

	<i>Conversion process</i>	<i>Feedstock¹</i>	<i>End-use</i>
Modern bioenergy			
Ethanol	Fermentation, Distillation, dehydration	sugarcane, sugar beet, corn, cassava, sorghum, switchgrass, poplar	Transport* (gasoline additive, blended with gasoline, used in pure form)
Biodiesel	Filtering of oil, transesterification	Oil from rapeseed, soy beans, palm, jatropha, mustard; Waste Vegetable Oil	Transport* (blended with diesel, used in pure form); diesel generators
Straight Vegetable Oil (SVO)	Filtering of oil	Oil from rapeseed, soy beans, palm, jatropha, mustard; Waste Vegetable Oil	Transport ² (blended with diesel, used in pure form); diesel generators. Requires preheating.
Biogas (methane)	Anaerobic digestion or fermentation of organic matter	Manure, solid waste, biodegradable waste, wastewaters	Transport (vehicle fuel); electricity generation (thermal combustion plants); Heating
Wood pellets, residues	processing & compacting	Sawdust, forestry residues, wood	Electricity generation (thermal combustion plants); Heating
Traditional bioenergy			
Fuelwood	None	–	Heating; Cooking
Dung	None	–	Heating; Cooking

* Not a comprehensive list.

** Engine modifications may be necessary.

¹ These are not comprehensive lists, as there are very many bioenergy feedstocks.

² May require engine modifications.