

Summary of RE Technologies and their Applications

Technology	Resource	Application	Stage of Development
Biogas systems	Animal manure	Commercial and household cooking	C
	Animal manure	Industrial process heat	C
Biomass-fired boilers, Ovens,	Fuelwood	Cooking, steam, heating	C
	Charcoal	Cooking, Process heating	C
Furnaces, Kilns	Bagasse	Cooking, heat, power	C
	Cocoshell/husk	Cooking, heat, power	C
	Ricehull	Cooking, heat, power	C,V
	Ricehull	Cooking, heat, power	D,V
Improved Cookstoves	Charcoal, ricehull	Cooking, heat, power	C
Gasification Systems	Charcoal	Process, heat, power	V
	Ricehull	Heat, power	D
	Wood/woodwaste	Heat, power	D
Pyrolysis, Liquefaction	Woodwastes	Heat, power	L
	Other biomass	Heat, power	L
Densification (Briquetting)	Ricehull	Heat	C
Alcohol-based fuels	Sugarcane	Transport, stationary engine	V
Coconut-based fuels	Coconut	Transport, stationary engine	V
			C
Photovoltaic systems	Solar insulation	Household electricity	C
		Telecommunication	C
		Water pumping	C
Solar water heaters	Solar heat	Water heating	C
Solar dryers	Solar heat	Drying of agricultural crops	D
Wind pumps	Wind	Pumping potable water	C
Wind turbine generators	Wind	Electricity generation	D
MH Battery		Charging storage battery	D
MH Power Plant		Power generation, grain milling	D
Ocean Thermal Systems	Ocean temperature	Power, steam	L
Ocean Current Energy Systems	Ocean current	Power	P
Tidal Energy Systems	Ocean tides	Power	L
Wave Energy Systems	Ocean waves	Power	L
Hydrogen-based Fuels		Power	L
Landfill gas	Municipal solid waste	Power	P

Note: **C**-Commercially available; **D**-Technical feasibility proven by demonstration projects; **P**- Technical feasibility proven by pilot studies; **V**- Proven competitive with conventional systems, ready for commercialization; **L**- Technical concepts/Laboratory studies on-going.