

RENEWABLE ENERGY TECHNOLOGIES

This is a non-comprehensive list of alternative energy technologies

Hydroelectricity

Dam → water pressure → turbine → electricity

Solar technologies

Passive solar design (sunbeam → low-temperature heat)

Solar thermal (parabolic mirrors to focus sunbeam → steam → electricity)

Photovoltaic cells (direct conversion sunbeam → electricity)

Wind technology

Wind turbines (wind → electricity)

Geothermal power generation (use of permanent temperature difference)

On land

At sea

Biomass

Organic material → sugars → alcohol (liquid fuel)

Resource recovery

Incineration of solid waste → heat → steam

Energy from the ocean

Wave energy

Tidal energy

Geothermal energy