

What are Renewable Energy Projects?

Source	Type of Project	Characteristics
Small Hydropower	Run of river generation projects or shaft power at industrial sites; small scale (maximum 10MW); stand-alone power system (on- or off-grid)	Low operating and high capital costs Vulnerable to local weather changes and reduced water levels Verification of engineering analysis
Wind	Wind farms; stand-alone power system (on- or off-grid); individual turbines for residential or small-scale use; Water-pumping	Low operating and high capital costs Weather dependent Verification of engineering analysis
Biomass & biogas	Organic matter used to generate electricity (e.g. wood and agricultural residues, plants, trees, municipal waste, landfill gas, animal waste); stand-alone power system (on- or off-grid)	Relatively low capital and high operating costs Vulnerability to disruption of fuel supply Verification of engineering analysis
Solar	Photovoltaic power and solar thermal Buildings/residential systems; stand-alone power system (on- or off-grid); Water heaters, water purification	Low operating and high capital costs Weather dependent Verification of engineering analysis