



Carbon Offset Certificates are issued by the Climate Change Institute for verified United Nations CDM projects which are rigorously scrutinized through an international monitoring and verification process. They remove greenhouse gasses from the atmosphere, whilst supporting sustainable development. Each certificate has a unique serial number representing 1 tonne of CO2 removed from the atmosphere.



1 tonne of CO2 that is avoided would:

- fill a cube about 10 meters or 27 feet tall
- have the same weight as 400 bricks
- be enough to fill 500 fire extinguishers



- **Wind power** projects produce renewable energy keeping hundreds of thousands of tonnes of CO2 out of the atmosphere each year.
- **Solar power** projects have the potential to save the burning of millions of tonnes of fossil fuels each year, especially coal.
- **Biomass projects** mitigate organic waste matter emissions as when they start to decompose they release methane, a potent greenhouse gas.
- **Hydro power** replaces electricity generated by fossil fuels, keeping millions of tonnes of CO2 out of the atmosphere each year.
- **GHG abatement** projects reduce GHG emissions such as nitrous oxide (N2O) are an undesired by-product of the industrial production process.
- **Energy efficiency** projects use energy such as waste heat in industry which can be recovered which reduces the use of fossil fuels.
- **Biomass recovery** projects provide fuel-efficient ways for domestic energy usage reducing the amount of greenhouse gas emissions.
- **Energy recovery** projects generate heat and/or electricity by combusting organic matter that would otherwise decay and release methane.
- **Geothermal power** generates electricity from a source of geothermal steam with huge potential to lower worldwide greenhouse gas emissions.

