

Environment friendly

Clean energy source

Sustainable

Causes noise pollution

Inconsistent wind speed

Requires large plots of empty land to set up

Analyse weather patterns

Correlate the effect of weather on windmills

Maximise energy output

Renewable nature of wind energy

Real time prediction system of output power

Most competitive energy source

Weather conditions follow a pattern

Bird friendly

Average wind power production

Small carbon footprint

Unpredictability of wind

Dependent on wind speed

Renewable energy source

Reduced use of fossil fuels

Optimised wind energy generation

Will not damage power grid

Windmills produce energy according to location

Electricity market planning is required

Cheapest source of electrical energy

Predict wind speed

Non linear nature of power production

Dependent on weather conditions

High initial cost

Cost effective in the long run

Most efficient fuel for electricity