Introduction

Purpose

The purpose of this report is to compare wind energy and solar energy, and determine which energy is more suitable for the development needs of human society in the future.

Background

With increasing energy demand in the world and strengthening environmental protection, the spread and use of clean energy are inevitable. The precise definition of clean energy should be to clean, efficiently and systematically apply energy technology. Clean energy emphasizes clean energy as well as stress. Clean energy cleanliness means that it conforms to some emission standards. Traditionally, clean energy refers to environmentally friendly energy, i.e., environmental protection, decrease in emissions and decrease in pollution. It is green energy that does not drain pollutants and can be used directly for production and life.

Solar energy clean energy is a new energy that converts solar energy into other forms of thermal energy, electrical energy and chemical energy, and does not generate other harmful gases or solid waste in the energy conversion process. Environmentally friendly, safe and polluted. As a result of life cycle analysis (LCA) for the broad use of solar energy, the solar photovoltaic panels were based on solar panels, and solar panels were high pollution and energy consumption materials in the production process, and cost and environmental cost were high. Thermoelectric research is directed toward the heat utilization of solar heat.

Wind energy is mainly used in wind and wind power generation, and wind power generation is the main form. The use of wind energy refers to direct driving of various mechanical equipment using wind power. The advantages of wind turbines are less investment, more efficient, economical and durable. Wind energy sources are seriously affected by the terrain, and most of the world's wind energy sources are concentrated in the coastal and wide continental contractions. In nature, the wind is a renewable and polluting giant energy reserve. With global warming and energy crisis, all countries are scrambling to develop and use wind energy to reduce greenhouse gas emissions as much as possible.

Scope

For the purpose of making a recommendation, the report will compare solar energy and wind energy based on only two factors: efficiency and cost. The research results may be applicable to most areas limited by fossil fuels. People may consider these factors when talking about clean energy.