Opinion

Solar energy is the best alternative energy

Abstract

Through my observations, this essay attempts to introduce advantages of solar energy and how to control and use this energy in green houses. Also, this essay discusses effects and benefits of this source of energy on our environment.

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Introduction

Benefits of solar energy are obvious for everyone. As well as, threat of energy crisis is one of the most important issues in the world that solar energy is one of the best answers to solve this problem. Sun sends its energy with 300000km/h to our planet. It is one of the biggest sources of renewable energy without danger contaminants for our environment. Now a days, massive studies have been conducted to thermal insulation as heat storage to save the maximum amount of solar energy for use in green buildings. Choosing energy sources depend on variable parameters such as availability and cost and other dimensions must be added to this choices as a quality index for continuity of supply.[1]

Solar heat is absorbed by walls, floors, windows and another part of buildings. This heat can be used for inlet space of buildings and recent practice in direct gain design. It has more emphasis to reducing heat loss that absorbed by buildings that these kinds of designs are called super insulated.[2] To control and use solar energy in green houses, different types of simulation program are widely used. Some of these programs are based on conventional steady-state heat loss and others are due to time variations. These kinds of programs are better and more useful because of their ability in controlling temperature and heat value in different times. Therefore, storing solar energy during the summer for use during winter with flat plate solar thermal collectors attached to the roof of green houses is one of the best ways to control and reduce emission of fossil fuels.[3]

Solar energy can be helpful in electricity generation by turning the solar energy in to electricity. One of the main roles of greenhouses is to provide electricity for electrical devices. Also, photovoltaic (PV) panels convert the sun's rays into electricity and these panels can provide power required to produce electricity for greenhouses. Therefore, with solar energy and PV panels, ventilation of buildings can be occurred without fossils fuels. PV panels provide electricity for ventilation devices in greenhouse with 25°C in hot and cold days of year.[4]

Benefits

In my opinion, the main benefits of solar energy are:

I. Solar power is arguably the cleanest, most reliable form of renewable energy available

II. Solar energy is free and supplied by nature and can be made available almost anywhere in human life

III. Solar panels can bring in monthly savings money.[5]

IV. PV panels do not consist of mechanically moving components, except for sun tracking mechanical bases. Therefore, the breakage and the maintenance are significantly less than other renewable energy systems.[6]

V. Solar energy is helpful when it comes to reducing emissions of fossil fuels.

Conclusion

Here, those things can say is that solar energy can be replaced instead of fossil fuels in buildings for providing power energy. Solar energy has different benefits for our environment by reduce fossil fuel emissions by eliminate high price of conventional fuels.

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Conflicts of interest

There is no conflicts of interest.

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