

Smart Management of pleasant house

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Abstract

Today everybody is facing so many problems. Electricity problem, Environmental Pollution Problem, Fuel Problem etc. Due to these or such types of problems the house environment are disturbing. If home environment will disturb then related house peoples, their work places, study places also get disturb. Obviously the community gets disturbed. Everybody is blaming to Government or policies. But nobody is thinking the permanent solutions .Now days, there is the need of Smart Management of pleasant house. This paper deals the management of pleasant house. The lifestyle of people must become impressive, it reflects respect for nature.

Objectives:

- Management of electricity
- Management of fuel
- Management of home equipments
- Management of garden lamps
- Management of water



Renewable energy:

Renewable energy is the energy that is generated from sources found in nature and these sources are replenished by nature as well, so they never get depleted. The most common sources of renewable energy that more and more people are incorporating in their houses include wind energy, solar energy, geothermal energy, hydroelectricity, bio-fuels, and bio-gas. The Solar

energy is available for minimum 8 months & maximum 10 months. The solar energy is free of cost. Rest 2 months or 4 months we can use wind energy or renewable energy for electricity generation. Solar energy, on the other hand, is generated with the help of photovoltaic or solar panels. Solar panels are one of the most popular renewable energy systems used in homes worldwide. Solar panels are ideally suited for cooking, powering water heaters, lighting, and space heating. Most solar panels provide years of reliable service and they can help to lower electricity bill. They can be effective in places with harsh environments too. The installation of renewable energy systems for homes may be costly at the outset but it will definitely save money in the long run. Homeowners can even get tax benefits by using renewable energy. Embracing renewable energy and green products will result in a healthier and more stress-free lifestyle as well. Some body will tell that we are using so many products based on electricity. Ex. Fridge. Yes, there are the so many products available on solar energy. Using the Wind Energy we can generate our own electricity & run all the equipments with in the house. We can also use the renewable energy if we make our house pleasant.

For example:

- Solar Refrigerator
- Solar Cooker
- Solar Water Heater
- Solar Pump
- Street Lights
- Solar Garden Lights
- Solar Torch
- Solar Home Security System
- Solar Cash Counting Machine
- Solar Study Lamps & so many are there

Once home owners start using green products for their households, they will truly understand the value of renewable energy. Besides offering great savings on electricity bill, green products will do a world of good to the environment as well as possible. Energy can be utilized with the help of wind turbines. The house has wind turbines that can be installed nearby open spaces. When placed strategically, each of these turbines can output power in excess of 60 kWh. For those who

have access to a wind resource greater than 5 miles per hour, wind turbines will be able to run most of the household appliances.

Geo thermal energy:

Geo thermal energy is the heat energy that is trapped inside the earth's surface. There are number of methods to harness geothermal energy and the most widely used is the geothermal heat pump. There are several dealers who can install geothermal heating and cooling systems in homes which will put an end to occasional heating and cooling issues. With geothermal systems installed, home owners will not encounter occasional humidification problems, cold drafts, furnace ineffectiveness, or sky-high heating bills.

Hydroelectricity:

Hydroelectricity is generated by water power. Water turbines are used to generate electricity from falling water or flowing water. Therefore, hydroelectric power is ideal for homes that are located close to streams or waterfalls. One of the great advantages of a hydroelectric renewable energy setup is that it hardly produces any direct waste. Interestingly, hydroelectric power constitutes about 90% of electricity from renewable energy sources. Also, almost 20% of the world's electricity is produced by hydroelectric power plants. Installing a hydroelectric system is relatively expensive, but it will benefit homeowners in the end.

Bio-fuels:

Bio-fuels are another renewable energy source and they are similar to fossil fuels. Unlike fossil fuels, which derive energy from dead bodies thousands of years old, bio-fuels use lifeless biological materials that are comparatively recent? Bio-fuels are now being used for fuelling future generation automobiles, heating offices and homes and also cooking.

Water Conservation:

- collect rainwater for external use i.e. garden/washing car
- use water conserving appliances including toilets, shower, taps, washing machine and dish Washer
- Reduce irrigation and surface water run-off.

Building Materials:

- use sustainable, certified, toxic treatment-free timber
- select low volatile organic compounds (VOC) and toxic-free paints, finishes and adhesives

- use materials that permit the building membrane to 'breathe'
- apply natural floor surfaces such as tile, timber and linoleum
- use sustainable solid timbers rather than processed composite sheet materials
- Use inert gypsum-based wall and ceiling linings.

Low Environmental Impact:

- create indoor/outdoor links and user-friendly transition areas
- include water permeable landscape features
- enhance native bush and create edible gardens establish home recycling bins and garden composting

Waste Reduction

- select materials using recycled components
- design for re-use and recycling
- control and reduce waste and packaging
- Reduce resource consumption.

Biogas:

Biogas typically refers to a gas produced by the biological breakdown of organic matter in the absence of oxygen. Organic waste such as dead plant and animal material, animal feces, and kitchen waste can be converted into a gaseous fuel called biogas. Biogas originates from biogenic material and is a type of biofuel. Biogas is produced by the anaerobic digestion or fermentation of biodegradable materials such as biomass, manure, sewage, municipal waste, green waste, plant material, and crops. Biogas comprises primarily methane (CH₄) and carbon dioxide (CO₂) and may have small amounts of hydrogen sulphide (H₂S), moisture and siloxanes.

Conclusion:

If we make our house pleasant house. Then we are not depending on any other agencies or Government. Then our house environment will become healthy. Then offices, study centers also become healthy, obviously the community becomes healthy. If everybody's house becomes pleasant then our future is very bright. The village, city becomes pleasant, State & Country also. We can run vehicles, cars also on natural resources or renewable resources, this avoids the fuel problems. So this paper request that start everybody to make their houses pleasant. From this anybody can reduce pollution. Environment will be clean, healthy & people will also be healthy.

We think 'Health is Wealth' but it depends on you. So, make your home pleasant, start from today then within commencing few years it will become fully pleasant house.

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International Journal of Renewable Energy Technology 2012 - Vol. 3, No.2 pp. 107 - 141

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