

## Green Energy - A Wise and Healthy Alternative

In recent years we have seen much debate on benefits and constraints involved in incorporating renewable sources of energy into our lives. While everyone seem to agree about environmental benefits, not everyone seems to be willing to facilitate the much needed shift from conventional sources of energy to these non-conventional sources of energy. Somewhere it is required that we become more aware and sensitive to this issue, as an advocate and student of renewable energy I would like to draw your attention to few logical arguments and facts which support use of these energy sources. First of all it is essential to realize that global warming is a real and present danger. Various evidence of Global Warming can be seen across the globe: rise in average precipitation (rainfall & snowfall), rise in sea levels, melting ice caps, and anomalous trends in population of certain Antarctic animals. Researchers have further foresighted that if global warming will continue at this rate floods, droughts and hurricanes are likely to become stronger and more common in this century. In 2014-15 total greenhouse gas emission from NEM (National Electricity Market) supplying about 80% of Australian consumers rose by 6.4 million tons. This problem should tackle actively not only by the Govt. but also by us at personal level. At present we have several viable options in form of alternative sources of energy, we first need to completely educate ourselves about their benefits for us and for the communities we live in. Only then we will be able to find enough motivation and let go our inertia of using conventional sources of energy. The cardinal benefit of using renewable energy is reduction in greenhouse gas emissions. Hence it reduces global warming. International Panel on Climate Change claimed that emissions involved in installation, maintenance, dismantling and decommissioning of renewable energy setups are minimal. Generating electricity from coal and other fossil fuels causes air and water pollution. This pollution can lead to serious health problems like heart attacks, cancer, breathing problems and neurological disorders. Natural gas and coal mining use water in their drilling operations and even after strict regulations and precautions pollute significant amount of drinking water. Wind and solar energy does not need water. If we look into the economic aspect of renewable industry it can be analysed that conventional energy industry is more automated and depends on huge capital for setting up power plants. While renewable industry has more job prospects as it requires manual labour at almost every level. Hence for every unit of energy produced by renewable sources more jobs can be created. Another remarkable feature of renewable energy systems is that they follow a decentralized network or in other words a modular network. For example, if there is a natural disaster at one place the power supply will not be affected for the other place. Apart from these benefits renewable energy is inexhaustible unlike non-renewable sources. In light of the points mentioned above we can say that pros of renewable energy can bring a positive change at every level of our life.

### References

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