

Exploring Environmental Friendly work practices – A Challenge for sustainability

Tnu Mahajan¹

¹ Dept of Chemistry

¹ D A V College Jalandhar

Abstract- *Achieving a sustainable energy economy requires attention to both near- and long-term energy needs . Near term needs include encouraging energy efficiency practices while long term needs include educating and training a workforce to operate in the new energy economy. Science is more than a set of facts and knowledge; it is a process of asking questions, making observations, and developing experiments to investigate and learn more about a specific topic. Scientific evaluation is very valuable because it makes it possible for us to investigate questions and learn more about the world around us. In order to investigate and solve this issue, a scientific evaluation of the environmental problem was conducted. To check the awareness of people for environment, A total of 198 people from various educational institutions, various sectors of hoshiarpur area were involved in this study. The purpose of study was to identify and manage the environmental risks associated with work activities . They were tested with the help of a semi structured Questionnaire. The Questionnaire assessed the above written objectives along with suggestions to conserve environment. The data was then processed, generalized and interpreted . Observations on car pooling indicated that in Hoshiarpur (Dasuya) around 80% of people are ignorant regarding carpooling while a very small fraction of 8% of people are involved in carpooling practice .In a survey done most of the people are not aware of buying organic practices ,a less is involved in water harvesting . Recycling seems to be the understandable factor for people involved in survey. A lot of efforts were done to aware the people regarding eco friendly practices.*

Keywords- Awareness ,Environment, Sustainable , Questionnaire ,Carpooling, Recycling

I. INTRODUCTION

Environmental science is the field of science that studies the interactions of the physical, chemical, and biological components of the environment and also the relationships and effects of these components with the organisms in the environment. The field of environmental science can be divided as how the natural world works, to understand how we as humans interact with the environment.

The third goal of determining how humans affect the environment also includes finding ways to deal with these effects on the environment. Environmentally Sustainable work practices are those which reduce harm on the environment and reduce wastage of resources . Sustainable energy is about using energy wisely and using energy generated from clean sources and clean technologies. Wise energy use is the first step to ensuring we have sustainable energy for present and future generations. Being efficient with our energy will reduce our household and business energy bills, reduce the amount of energy we need to produce in the first place and cut energy related greenhouse pollution . . At this current time, the world around us is changing at a very rapid pace. Some changes are beneficial, but many of the changes are causing damage to our planet. The best version of sustainability is being eco friendly .It is all about taking small steps towards mother earth so as to make this planet a better place to live for our future generations .

II. Methodology

Environment conservation is a complex issue and requires a means to help to know politics of safety. Through this paper I have tried to explore environment friendly practices & its implications for society among a small sample of human beings. The purpose behind the study is to understand the importance of carrying out environmental friendly practices at each & every level in order to aware the people about small eco friendly practices that must be carried out to conserve the environment.To check the awareness of people for environment, A total of 198 people from various educational institutions, various sectors of Hoshiarpur area were involved in this study. They were tested with the help of a semi structured Questionnaire. The Questionnaire assessed the above written objectives along with suggestions to conserve environment. The data was then processed, generalized and interpreted.

Findings: Socio demographic profile of respondants and the environmental practices done by them was depicted.

III. CARPOOLING

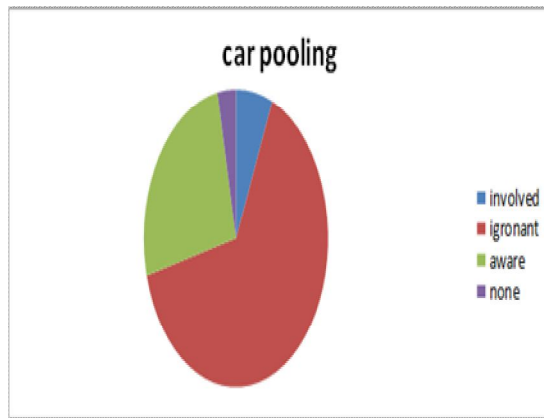


Figure 1.

IV. ENERGY CONSERVATION

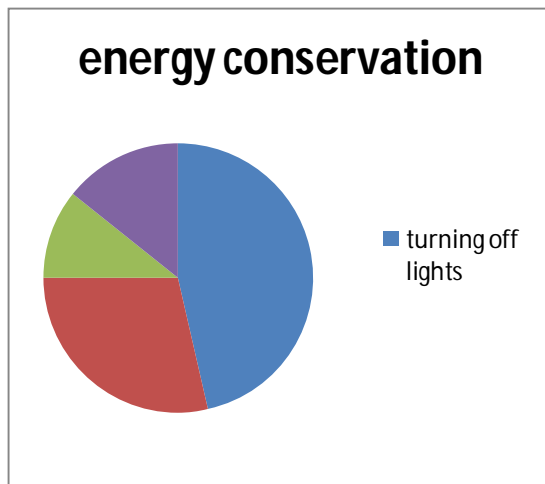


Figure 2.

V. WATER CONSERVATION

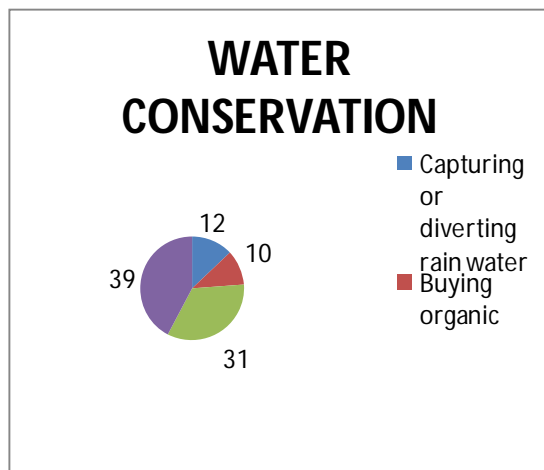


Figure 3.

VI. COMPARISON OF SOME ECO FRIENDLY PRACTICES



Figure 4.

VII. Result and Discussion

Carpooling:

Excessive vehicles will discharge excessive polluting gases in the air thereby causing environmental pollution. At the same time the enormously hot engines of automobiles emit heat in the air thereby adding up in Global Warming . The best way to reduce pollution is the sharing of car journeys so that more than one person travels in a car. By having more people using one vehicle, carpooling reduces each person's travel costs and the stress of driving. Carpooling is seen as a more environmentally friendly and a sustainable way with the only limitations of lesser flexibility, less reliability, concern over securities .Observations on car pooling indicated that in hoshiarpur city around 80% of people are ignorant regarding carpooling while a very small fraction of 8% of people are involved in carpooling practice .

VIII. ENERGY CONSERVATION

Energy conservation is an effective way to lower overall energy consumption and it is a part of concept of eco sufficiency . Energy conservation means saving energy by cutting back, and energy efficiency means saving energy through better products and innovative solutions. Unplugging also includes battery chargers and power adapters that are not in use, set computers to hibernate mode. From an environmental perspective, the energy issue is central and ever-present, and there are several ways to increase the

environmental benefits by focusing on different stages of the chain. An awareness is required regarding the use of energy efficient devices .

IX. WATER CONSERVATION

Individuals can make changes in their lifestyles to protect the environment, but the biggest changes will occur when companies and manufacturers embrace eco friendly practices .Precision conservation for environment sustainability is the one of the practice adopted .Organic agriculture practices not only protect the planet but can even help improve current negative environmental issues. Organic farming builds healthy, strong soil which can maintain soil nutrients and help solve erosion problems, hence conserving and protecting our water supply. It can reduce our need for fossil fuels and helps combat the negative effects of climate change, encouraging healthy bio diversity.The other important way to conserve gallons of water is rain water harvesting method .In a survey done most of the people are not involved in buying organic practices(rather not aware) ,a less is involved in rain water harvesting ,but a large ratio of people is involved in saving water through routine practices .

X. COMPARISON OF ECO FRIENDLY PRACTICES

In the results indicated in bar diagram people were involved in composting practices and concerned over the use of renewable energy practices. Disposing off the hazardous wastes seems to be a big problem as people are not aware of nature of hazardous substances. Recycling seems to be the understandable factor for people involved in survey. Composting is a form of waste disposal where organic waste decomposes naturally under oxygen-rich conditions. In addition to food waste, yard waste, such as grass clippings and leaves, can also be added to compost containers. There is a common mantra of reduce, reuse, recycle, otherwise known as the three Rs. The most common examples of hazardous waste found within the home include paints, batteries, solvents, cleaning agents and pesticides. Being that hazardous waste can be harmful in a variety of ways, it needs to be disposed of differently than non-hazardous waste .

XI. CONCLUSION

The world population is growing at a fast pace. This population explosion has left many environmental scientists wondering whether there will be enough natural resources on Earth to support so many people. After all, it is pretty easy to imagine that the more people there are, the higher the demand will be for food, water and energy. However, population is not

the only thing that impacts the environment and the availability of resources. When sustainable consumption is practiced, resources are used wisely and waste products and pollution are minimized. The main way this is achieved is by doing more and better with less. In other words, we can find ways to meet our needs and desires without depleting our planet's finite natural resources. This might include carpooling, using renewable energy sources, such as solar or wind power, developing alternative fuel sources, such as biofuels, for our transportation needs and using environmentally friendly cleaning products. Practicing sustainable consumption can ensure that the environment has resources available long into the future. Of course, sustainable consumption is not only a practice for government organizations and industries. It is also something that individuals can adopt as a voluntary practice.

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