

PROMOTING NIGERIA'S ENERGY EFFICIENCY DSM PROGRAMME THROUGH ENERGY CONSERVATION

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INTRODUCTION

Energy Conservation is the single, most important source of energy. Its basis is waste avoidance by the proper and efficient use of that which is available to cater for present needs without jeopardizing the needs of future generations

The first principle is that we can have an effective and comprehensive energy policy only if the government takes responsibility for it and if the people understand the seriousness of the challenge and are willing to make sacrifices.

The second principle is that healthy economic growth must continue. Only by saving energy can we maintain our standard of living and keep our people at work. An effective conservation program will create hundreds of thousands of new jobs.

The third principle is that we must protect the environment. Our energy problems have the same cause as our environmental problems: wasteful use of resources. Conservation helps us solve both energy and environmental challenges simultaneously.

The fourth principle, and the cornerstone of our policy, is to reduce the demand through conservation. Our emphasis on conservation is a clear difference between this plan and others which merely encouraged crash production efforts. Conservation is the quickest, cheapest, most practical source of energy. Conservation is the only way we can buy a barrel of oil for a few dollars. It costs about \$150 to waste it.

In addition to the carbon footprint reduction, saving energy will stimulate the economic growth by reducing energy cost, as well as increase energy access by supplying the saved or conserved energy to other consumers. Also, energy efficiency and conservation will enhance production of goods and services, as more businesses will have improved access to energy supply and save on non-renewable resources for future generation.

Energy efficiency is the cleanest and most plentiful form of new energy the world has. Energy saved is, quite literally, energy found.

CONCLUSION

Various sectors of the economy (households, industry, commerce) must embrace and take advantage of modern energy conservation technologies. Reducing electricity consumption by key energy appliances like motors, refrigerators, air conditioner and lighting, waste will be eliminated and the monthly energy bill will be cut in addition to the protection of the appliances against surges.

Since energy prices are bound to increase in the medium and long term, the savings achievable through energy conservation efforts will increase. Over time, the investments in energy savings technologies, generally with 18 – 24 months payback period, would have turned out a very smart and intelligent business/management action.

The intention of the authors is to partner with organizations and help them to save money, reduce maintenance costs, and increase profit consequently. We intend to partner also with government to provide more energy and reduce carbon footprint in our environment by offering energy savings solutions.