

A Study in the Methods to Produce Electricity Efficiently

Julisa Ibarra

A Real World View of Applied Math and Statistics

Dr. John Taylor and Desiré Taylor

Summer Ventures in Science and Mathematics

The University of North Carolina at Charlotte

Abstract

An issue with the use of nuclear power for electricity production has always been present among many countries. The proposal to use nuclear power for electricity production arose for two reasons. The first reason was that some countries did not want to depend on other countries for fuel. The second reason was that the main method used to produce electricity, coal-fired power, has harmful effects on the environment. Other than some defects, nuclear power is thought to be more cost efficient, less harming to the environment, and energy efficient. Using nuclear power to produce electricity is still in stages of development.

Nuclear power, although some skepticism, is thought to be more cost efficient, produces more electricity, and less harmful to the environment. The research in this paper contains information on nuclear power and coal-fired power. It also includes a comparison on the efficiency of nuclear power and coal-fired power.