

Energy Sources in Sweden

Name

Institution

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Sweden invested in the search and use of alternative sources of energy after the oil crisis which occurred early in the 1970s. Bio energy and hydro power are the two main sources of energy in Sweden currently with Bio energy standing for twenty nine percent of the total energy consumed (sweden.se, 2014). District heating in Sweden is dependent on the use of biomass and lighting depends on hydroelectric power and the use of nuclear energy. Hydro power and nuclear power produce seventy eight percent of electricity used in Sweden.

Even though, the solar cell market in Sweden is limited, the total installed energy capacity from solar was about 14MW in 2011 and is expected to rise over the years (sweden.se, 2014). Their country is also utilizing wave power; the country has a Wave power project to test a new concept of generating electricity from sea wave motion. Swedish wind power exploitation has increased over years with an increase of 1.4 percent from 2008.

The Swedish government is aiming at producing clean energy and eliminating the usage of fossil fuel (sweden.se, 2014). The Swedish policy is founded on three pillars, competitiveness, ecological sustainability and security of energy supply. The Swedish government is, therefore, working on fuel cell which works by combining oxygen and hydrogen to produce energy, water being the only by-product. However, this form of energy production will take years before resulting in a commercially practical technology.

The United Arab Emirates also have energy conservation plans put in place (UAE Interact, 2014). Plans to establish plants operating on renewable energy are in motion. This is to be carried out by Masdar; that is Abu Dhabi's clean energy company. The Country has also been

saving up to 255000kWh of energy through the combined efforts of its resident. This is achieved by 60 minutes of switching off lights during earth hours.

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