

Suittinan Sittiichoktham 2007: Electricity Consumption Behavior of Households in Bangkok Metropolitan Area. Master of Economics, Major Field: Economics, Department of Economics. Thesis Advisor: Assistant Professor Sungvean Chanthongkaew, Ph.D. 104 pages.

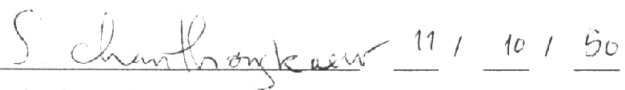
The demand for electricity in Thailand has been growing during the recent decades and part of the increase comes from high electricity consumption by household sector. The Electricity Generating Authority of Thailand, or EGAT, has to meet this increasing demand and has used large amount fossil fuels including natural gas, coal and lignite to produce electricity. The emission of greenhouse gases, including carbon dioxide, has been high and causing the global warming problem.

The objectives of the this research were to study production and consumption of energy in Thailand during 1995-2005 and also to study energy consumption behavior of households in Bangkok Metropolitan Area during 2006. Data are collected primarily through the use of questionnaires to be filled in by electricity consumers. The results showed that total electricity generation and consumption during 1995-2005 have been in line with the economic and population growths. Households own electrical appliances that have Energy Efficiency Labelling Schemes and have consumed electricity in an efficient way.

The recommendations are that EGAT should promote an energy efficiency labeling scheme for all household appliances such as television, iron, water heater and microwave. Moreover, government should support programmes on energy consumption efficiency and conservation such as Save Energy Project. They will lead to efficiency and effectiveness of energy consumption.



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Thesis Advisor's signature