

Energy Efficiency Standards Program and its Environmental Impacts Egypt Case Study

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Abstract

Organization for Energy Planning (**OEP**) is currently developing Energy Efficiency Standards & Label Program (EESL) for Residential Appliances in Egypt. The main objectives of this project include: determine priorities of appliances from energy use perspective, develop test standards for measuring energy consumption, create a suitable consumer label for energy consumption figures, and initiate an integral testing, accreditation and verification system for testing facilities

The EESL Program is implemented in the framework of the Energy Efficiency Improvement & Greenhouse Gas Reduction Project that financed by the United Nation Development Program (UNDP) and Global Environmental Facility (GEF), to improve the energy efficiency and decrease that rapid buildup of greenhouse gases released from electric power generation and fossil fuel combustion in different processes.

OEP has finished the energy efficiency standards for refrigerators, air conditioners and automatic clothes washers which were ratified and will be effective end of year 2003. During the project, OEP surveys local manufacturer technical capabilities, their current production situation, rate of energy consumption, and level of efficiency for the selected appliances. In addition, energy improvement technologies are implemented by our local manufacturers to assess the techno-financial issues for applying technology improvement options and their cost effectiveness. Moreover, OEP analyzes the expected energy savings due to applying the energy efficiency standards and its environmental impacts.