ENERGY EFFICIENCY AND FUNCTIONAL PERFORMANCE REQUIREMENTS BASED ON INTERNATIONAL STANDARDS

MODEL REGULATION GUIDELINES

BACKGROUND

The electricity demand in developing and emerging countries is expected to more than double by 2030. Consequently, dramatically increased greenhouse gas emissions are predicted. Energy-efficient technologies available as of today offer impressive energy improvements. In fact energy-efficiency is one of the most effective ways to reduce electricity consumption and to mitigate climate change.

AIM

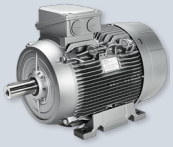
The Model Regulation Guidelines intend to:

- help accelerate the adoption of robust MEPS and energy labels where they do not exist and the revision of outdated existing policies
- set a minimum efficiency floor to prohibit future sales of inefficient products from the market

GLOBALLY APPLICABLE MODEL REGULATIONS

In order to help countries in the transition, United Nations Environment Programme (UNEP) United for Efficiency (U4E) initiative has developed Model Regulation Guidelines which aim to simplify the deployment, adoption and enforcement of regulations in developing and emerging countries.

The documents contain many essential pieces, including products scope, definitions, test methods, minimum efficiency levels, and a set of minimum performance requirements along with market surveillance to ensure consumers satisfaction. The Model Regulation Guidelines are a supplement to the Policy Guides which is one of a series along the five focus products of U4E: Lighting, room air conditioners, residential refrigerators, electric motors, and transformers.



Electric Motors

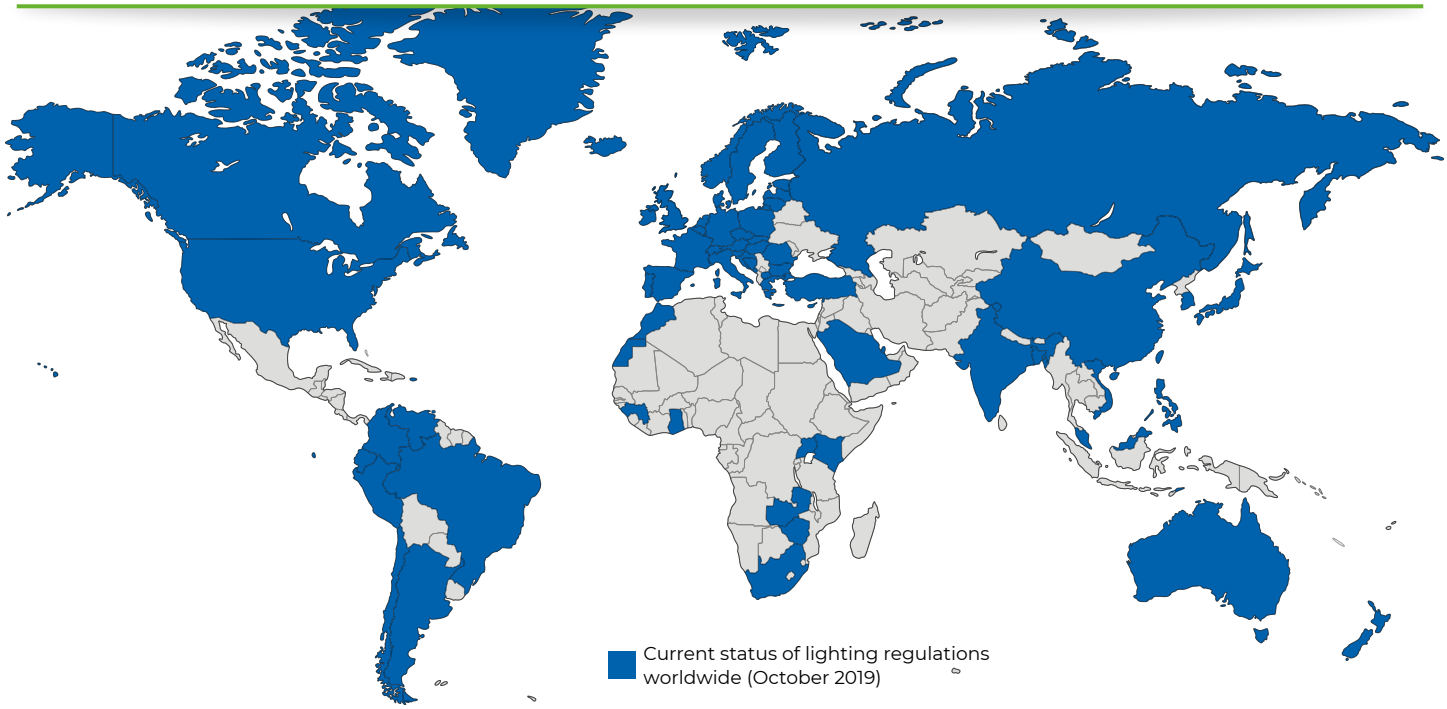
Light Bulbs

Residential Refrigerators

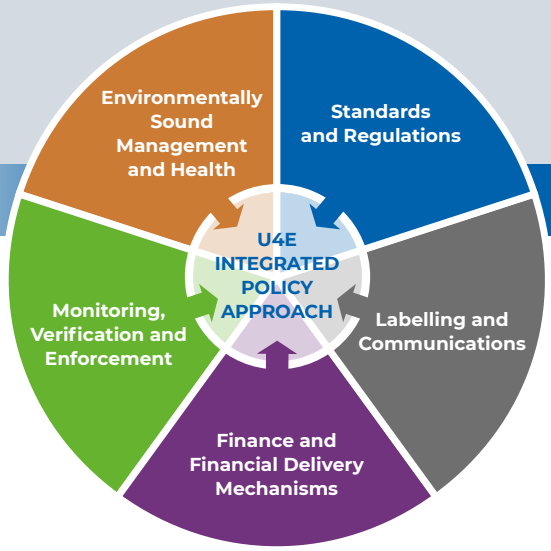
Room Air Conditioners

Distribution Transformers

THE MODEL REGULATIONS GUIDELINES SUPPORT THE GLOBAL MARKET TRANSFORMATION TO ENERGY-EFFICIENT TECHNOLOGIES



As described in the Model Regulation Guidelines, U4E encourages countries to follow an Integrated Policy Approach to transform their markets with efficient, quality lighting, appliances and equipment.



SUPPORTED BY VAST GLOBAL EXPERTISE

The development of the Model Regulation Guidelines involved close collaboration with many public and private stakeholders, all sharing the common objective to accelerate the transition towards energy efficient lighting, appliances and equipment. It has been reviewed by leading environmental groups, technical institutions, governments, regional institutions and by leading manufacturers.

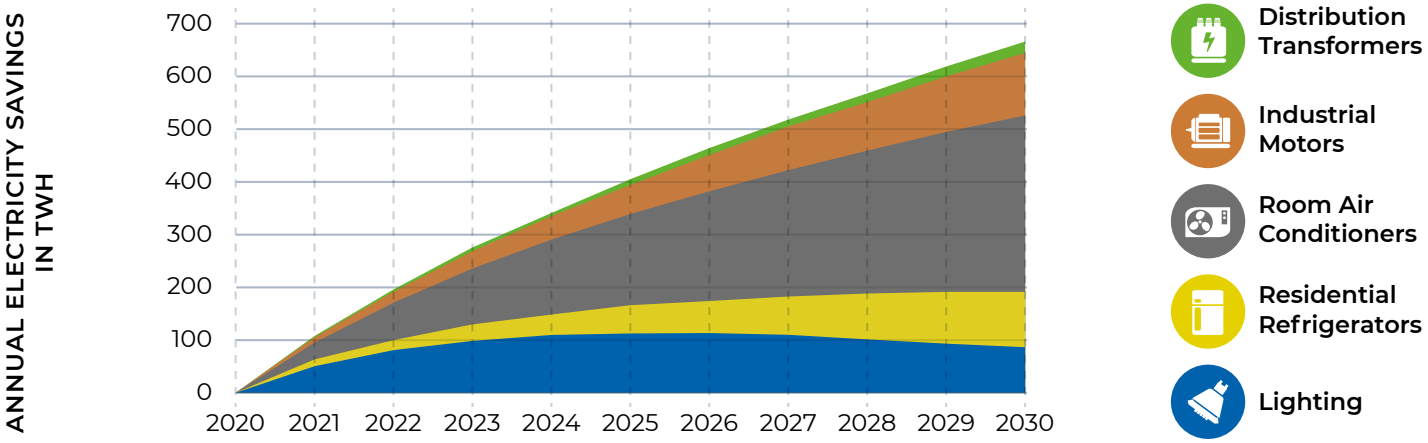
ELECTRICITY SAVINGS FOR THE FIVE MAIN PRODUCTS IN 2030*

660 TWh of electricity consumption, which is equivalent to approximately:

300 Power Stations [500 MW each]

600 Million tonnes of CO_2

58 Billion USD on electricity bills



*For the 156 countries included in the U4E Country Savings Assessments (September 2019), which are derived from the U4E Model Regulation Guidelines. https://united4efficiency.org/countries/country-assessments

GET INVOLVED

Governments that are interested in transforming their markets to more energy-efficient and environmentally sound technologies are encouraged to contact U4E for additional guidance and an update on the status of energy-efficient policy developments around the world.

FOR MORE INFORMATION

about the Model Regulation Guidelines and other key energy-efficiency market transformation topics please visit our website at http://united4efficiency.org