



## PROJECT AT-A-GLANCE

The United Nations Environment Programme (UNEP)'s United for Efficiency (U4E) Initiative partners with countries to help them save up to 20 percent of their electricity consumption by accelerating the switch to energy-efficient lighting, air conditioners, refrigerators, electric motors and transformers. U4E's comprehensive full market transformation approach addresses widespread electricity wastage, associated pollution and greenhouse gases, unlocks capacity and financing, and saves consumers and businesses money while improving their quality of life.

### GEOGRAPHICAL SCOPE

GLOBAL SCOPE 150 countries

Regional projects include the Caribbean, Southern Africa, West Africa and Southeast Asia,

National projects include Bolivia, Costa Rica, Chile, Peru, Côte d'Ivoire, Morocco, Nigeria, Tunisia, Turkey, Kazakhstan, Pakistan, Myanmar, Indonesia among others.



STATUS **ACTIVE**

STARTING DATE **2010** CLOSING DATE **NA**

TEAM LEADERS

**Paul Kellett**

DONORS

Global Environmental Facility, KCEP- Kigali Cooling Efficiency Programme

PARTNERS **More than 60 Partners in total**

**National and International Organizations:** Copenhagen Centre on Energy Efficiency, BASE (Basel Agency for Sustainable Energy), Global Efficient Lighting Centre, Carbon Trust, Natural Resources Defense Council, CLASP, GIZ, IIEC, TOP TEN, ASHRAE, ECREEE, EACREEE, RCREEE, Global Climate Partnership Fund, China National Institute of Standardization, International Copper Association, International Energy Agency.

**Academic Institutions:** Danish Technical University, Lawrence Berkeley National Laboratory.

**Industry:** ABB, Arçelik, B/S/H/, Electrolux, GREE, Mabe, OSRAM, Sanhua Holding Group, Signify, Whirlpool.

### TOTAL PROJECT COST

**\$ 56 million**

### KEY ACHIEVEMENTS TO DATE

**\$ 56 million** in project funding grants

**150** updated Country Savings Assessments that identify energy savings opportunities

**12** Financial mechanisms underway to unlock **\$ 300 million** in targeted investment

**5** Policy Guides for Policymakers to promote energy efficiency

**4** Model Regulations advising on minimum energy performance standards

**6** Global capacity building workshops with 270 policymakers from 147 countries

**13** comprehensive national Market Transformation projects

**60+** active partners

**45** LED Street Lighting Assessments for municipalities around the world

### By 2030 U4E aims to achieve

**\$ 500 billion** in avoided construction of power plants

**10%** less growth amidst the rising demand for electricity consumption

**1.25 gigatonnes** reduction in CO<sub>2</sub> emissions

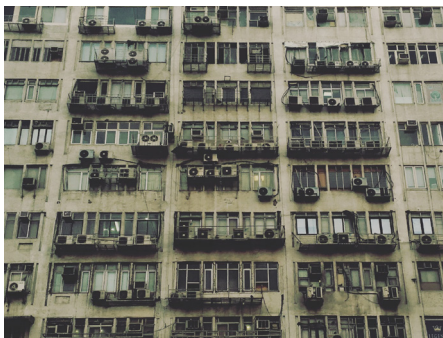


### THE CHALLENGE

Annual electricity consumption for lighting, refrigerators, air conditioners, electric motors and transformers is expected to more than double (+125%) from 2015 to 2030 in developing economies if no new policy actions are taken. Demand is driven by rising income levels that enable more consumers to afford these products, population growth, increasing temperatures, hi-tech industries, healthcare needs, and beyond. Policies addressing these products are often weak or non-existent, so outdated technologies remain in use. If the demand for new appliances and equipment is met with inefficient products, it will lock-in electricity waste throughout the lifetimes of these products, which can be decades. Consumers and businesses are burdened with higher costs of ownership (via higher utility bills), electricity grids are unduly strained, and pollution and emissions are exacerbated. Scaling-up the adoption of better products and practices is typically much faster and cheaper than increasing electricity supply, but many countries lack a strategic framework, robust data, market information, capital, technical support, or experience to take action to significantly improve their economic development, energy security and environmental sustainability.

### WHAT WE DO

United for Efficiency provides the tools, guidance and tailored technical and policy support that countries need to sustainably transition to energy-efficient products, enabling them to reap large-scale economic and environmental benefits. By partnering with governments, civil society, industry, financial institutions, and technical experts, U4E accelerates market transformation and helps ensure that it endures.



### UNEP'S ROLE



UNEP is a leading global authority in promoting sustainable development underpinned by energy-efficient solutions. With a range of international experts and projects spanning the globe, United for Efficiency specialises in partnerships to jointly pursue opportunities that would not be feasible or timely if undertaken unilaterally. Since its launch in 2010, U4E has grown to include market transformation projects in over 40 countries and with many regional organisations. Together, we are helping billions of residents and businesses make the most out of every watt of electricity, which is great for their finances and economies, supports their health and well-being, and is essential for the planet.

