

SUSTAINABLE PUBLIC PROCUREMENT



BACKGROUND

The public sector stands out in its capacity to exert enormous purchasing power, representing 12% of GDP in OECD countries and up to 30% in developing countries, presenting a considerable potential for public procurement to be leveraged to drive a Nation's economy towards a greener and more sustainable one.

Public procurement refers to the purchases made by governments, state and semi-state-owned enterprises for goods, services and works. By building in consideration of environmental, social, and economic aspects, Green Public Procurement can help to transform markets by leveraging the power of public purchases to drive markets towards sustainability, reducing governments' environmental footprint and contributing significantly to reductions in greenhouse gas emissions. Sustainable public procurement also allows governments to serve as an exemplary model and send strong market signals, fostering private sector and consumer behaviour change, enabling the overall transition to a green, sustainable economy.

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

AIM

The series of Green Public Procurement Technical Guidelines aim to:

- Provide a set of technical specifications for countries to develop their requirements for tendering processes in order to procure only higher energy efficiency products (targeting at least the 20% most efficient models in the market).
- Instigate and accelerate the market penetration of high impact electrical products such as lighting and cooling appliances (refrigerators and room air conditioners).

SCOPE OF THE TECHNICAL GUIDELINES

Lighting



Office/large buildings lighting (LED luminaires and LED tubes) and all street/outdoor lighting luminaires.

Refrigerator appliances



Domestic refrigerators and freezers, commercial/professional refrigeration appliances, vending machines and laboratory grade refrigerators.

Room air conditioners



Portable air conditioners, split air conditioners (single and multi-split), window air conditioners and ducted air conditioners.

STEP-BY-STEP APPROACH INTENDED FOR PUBLIC PROCURERS, TECHNICAL PERSONNEL AND RELATED POLICY MAKING OFFICERS ON HOW TO APPLY IN THEIR DAY-TO-DAY PROCUREMENT ACTIVITIES, SUSTAINABILITY AND CURRENT BEST TECHNICAL CRITERIA IN ACCORDANCE WITH BEST INTERNATIONAL REGULATORY, SOCIAL AND ENVIRONMENTAL PRACTICES

ADDITIONAL U4E PROCUREMENT TOOLKIT AND SPREADSHEET TOOL

Toolkit:

Provides information on key sustainability considerations (environmental, social and economic) for air conditioners, refrigerators and lighting. It addresses the barriers to Green Public Procurement (financial, awareness, capacity and regulatory), through the presentation of economic analysis of various delivery models, calculation spreadsheet for such models, and overall recommendations for the tendering process.

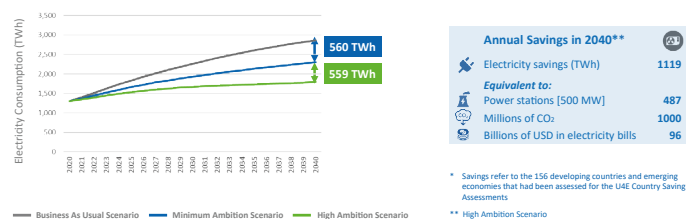
SPP Excel spreadsheet tool:

Compares the economic cost and environmental impact of different bids during the life span of the appliances. SPP minimum requirements on energy efficiency and refrigerant GWP can be used to easily check the compliance of each bid. Furthermore, the tool can analyze the suitability for early replacement, i.e., replacement of old appliances that are still working.

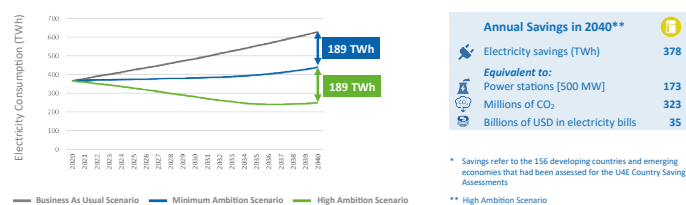
[illegible]

SAVINGS POTENTIAL OF HIGHER EFFICIENCY LIGHTING AND COOLING APPLIANCES

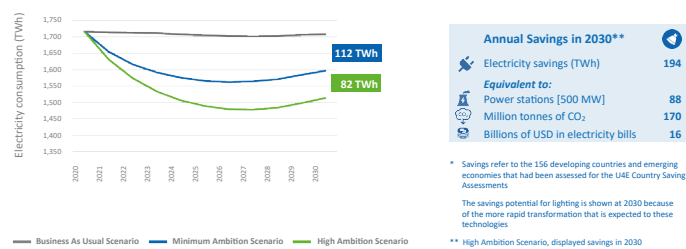
Savings Potential of Room Air Conditioners by 2040*



Savings Potential of Residential Refrigerators by 2040*



Savings Potential of Lighting by 2030*



Total savings potential value of almost **USD\$150 billion per year** across all developing and emerging economies

GET INVOLVED AND JOIN US

U4E is a global initiative led by UNEP, supported by leading companies and organizations with a shared interest in transforming markets for lighting, appliances and equipment, encouraging countries to implement an integrated policy approach to energy-efficient products in order to bring about a lasting, sustainable and cost-effective market transformation.

The Green Public Procurement Guidelines are a supplement to the [U4E Model Regulation Guidelines](#) and other already available international tools, standards and reports from [the U4E portfolio](#).

To download U4E's Green Public Procurement Technical Guidelines, the Excel Spreadsheet Tool and the Toolkit for Lighting, Appliances and Equipment and learn more about other key energy-efficiency market transformation resources, please visit our website at <http://united4efficiency.org>

