

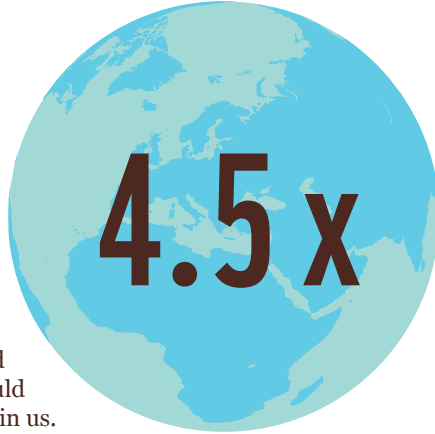
UAE ENERGY EFFICIENCY LIGHTING STANDARD

WHAT DOES IT MEAN FOR YOU?

WHY A LIGHTING STANDARD?



The UAE has one of the highest Ecological Footprints per capita. This means we waste a lot of resources such as energy, water, and goods. If everyone lived the same way, we would need 4.5 planets to sustain us.



71%

OF THE UAE'S ECOLOGICAL FOOTPRINT IS FROM CARBON, SO REDUCING ENERGY USE WILL MEAN LESS CO₂ BEING EMITTED TO THE ATMOSPHERE

57%

OF THE UAE'S ECOLOGICAL FOOTPRINT COMES FROM HOUSEHOLDS

20%

OF ELECTRICITY CONSUMED BY HOUSEHOLDS GLOBALLY IS USED FOR LIGHTING



ENERGY EFFICIENT LIGHTS PROVIDE **EXCELLENT** ENERGY SAVING POTENTIAL

HOW DOES THE STANDARD WORK?

EFFECTIVE FROM MID 2014

The standard prevents low quality indoor bulbs from entering the UAE market. It considers energy efficiency, electrical safety, hazardous chemical limits, functionality and safe disposal. (Exceptions are made for specialised lighting such as those in hospitals and laboratories.)

The country will be supplied with the following high efficiency bulbs:



COMPACT FLUORESCENT LAMPS (CFLs)
Much more efficient than incandescents



LIGHT EMITTING DIODES (LEDs)
Offer high efficiency and much longer lifetimes than most lamps



HALOGENS
More efficient than traditional incandescents



High quality and energy efficient bulbs offer a wide range of mood lighting

HOW DO WE BENEFIT?

Cuts UAE energy consumption annually by up to

500 MW

EQUAL to

Not needing to use an average gas power station for

6 months



Significant CO₂ emission reductions of approx

940,000 tonnes/year

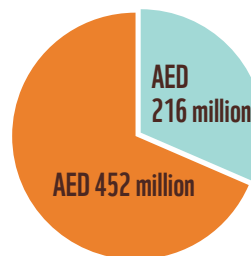
EQUAL to

Removing **165,000 cars** off the road annually



UAE can save

AED 668 million/year



- net savings from households' reduced electricity bills
- savings from the government in terms of reduced subsidies

A medium size villa in Dubai can save up to

AED 2,315/year



SOURCES

Emirates Authority for Standardisation and Metrology. Emirates Wildlife Society in association with WWF. Executive Affairs Authority. International Energy Agency. WWF.



The UAE Energy Efficiency Lighting Standard is a step taken by the UAE Ecological Footprint Initiative, which is a public-private partnership between the Ministry of Environment and Water, the Environment Agency – Abu Dhabi, EWS-WWF, the Global Footprint Network and Emirates Authority for Standardization and Metrology, working to develop science-based policy recommendations to help reduce the UAE's carbon emissions and per capita Ecological Footprint. Find out more at www.ewswwf.ae and www.esma.gov.ae