

Energy efficiency abu dhabi

Efficient use of energy is key in helping to conserve energy while reducing its environmental impact. We are committed to tackling environmental challenges and improving energy efficiency across Abu Dhabi's industrial and commercial sectors for the current and future generations.

The above equation requires careful revision of the consumption tariff from time to time, or to apply the slab tariff system. The slab tariff encourages consumers to stay within the scope of the least costly slab rather than increasing consumption to avoid the more expensive slabs.

In order to promote efficient consumption of electricity and water, an additional fuel fee is added to consumers' monthly electricity and water bill. This fee depends on the rate of increase or decrease of the actual fuel cost supplied to DEWA's generation plants.

Efficiency standards and specifications require an increase in capital expenditure to cover the sums required to purchase applications or introduce improvements that help to reduce consumption.

In July 2014, Ministry of Energy and Infrastructure established a new department for energy conservation and energy efficiency. One of the goals of this department is to establish a database of energy consumption by different sectors across the UAE, which allows comparisons between performance of establishments within a sector.

The UAE promotes the use of efficient electrical equipment. It launched an efficiency-labelling scheme for window and split-unit air-conditioning systems, eliminating highly inefficient units from the market. Since July 2014, the UAE has also banned the import of inefficient incandescent light bulbs. The scheme is expected to cut energy use by 500MW per year.

Under the theme, 'Save to sustain', MOEI launched the National Energy Conservation campaign to raise the public awareness and knowledge of electricity and water conservation. The campaign targets students, families, employees, workers and tourists. It focuses on energy efficiency on buildings, transport, manufacturing and agriculture sectors. [Read more about the National conservation campaign \(PDF, 980 KB\)](#)

In Dubai, H. H. Sheikh Mohammed bin Rashid Al Maktoum, issued a resolution to implement green building specifications and standards (PDF) in new buildings. In 2014, the building code became mandatory for all new buildings in the emirate.

In Ras Al Khaimah, Barjeel, the Green Building Regulations of the emirate issued by Ras Al Khaimah Municipality sets minimum sustainability standards for new buildings. Buildings permitted under Barjeel are expected to consume 30% less energy and water as compared to a typical building in Ras Al Khaimah. Barjeel



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is now mandatory for all new buildings starting from January 2020 following a one-year voluntary period.

In 2010, the UAE Cabinet approved the Green Building and Sustainable Building standards to be applied across the country. Application of these standards started at government buildings early 2011. The project is expected to save AED 10 billion by 2030 and reduce around 30 per cent of carbon emissions.

Emirates Energy Star(EES) is a joint venture between Etisalat and Pacific Controls to reduce the GHG emissions of the UAE and the fuel bills of its companies, by retrofitting existing buildings with energy saving controls systems and achieving savings of 10-35 per cent.

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