



Energy and Water Performance of DUBAI HOTELS

In partnership with

المجلس الأعلى للطاقة
Supreme Council of Energy

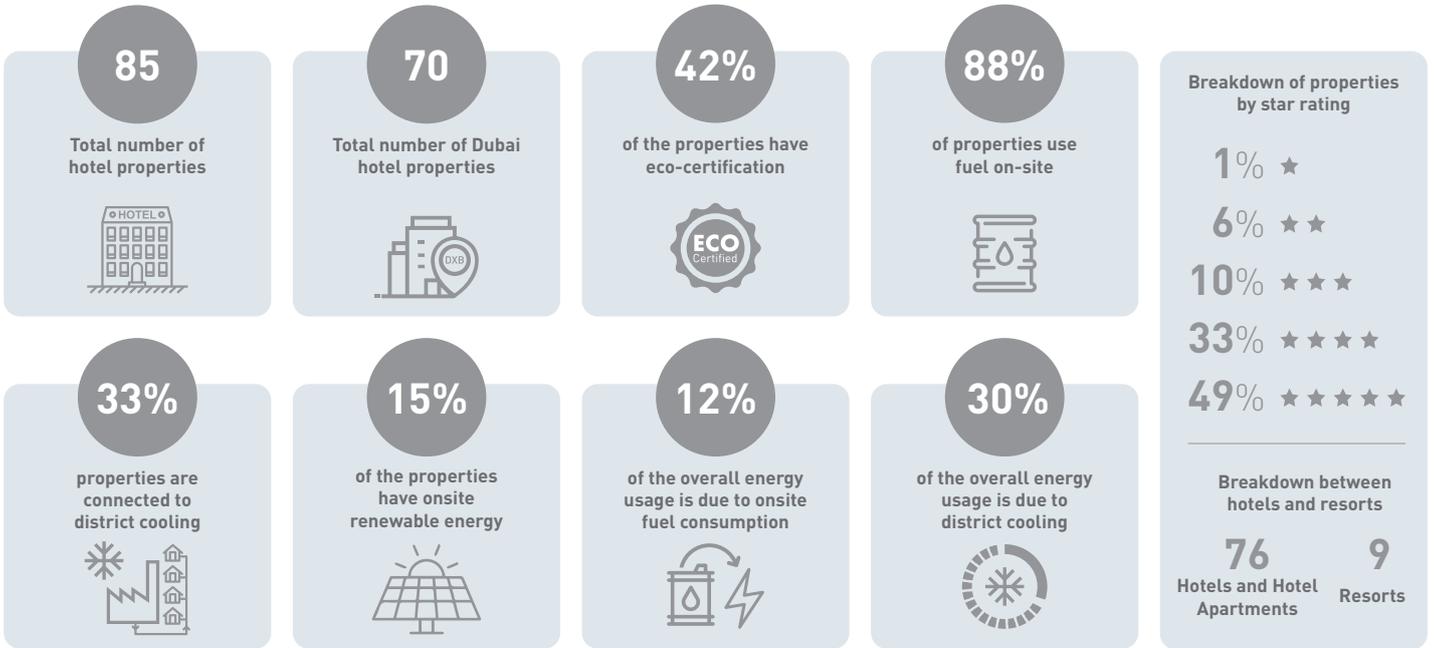


Building Efficiency Accelerator

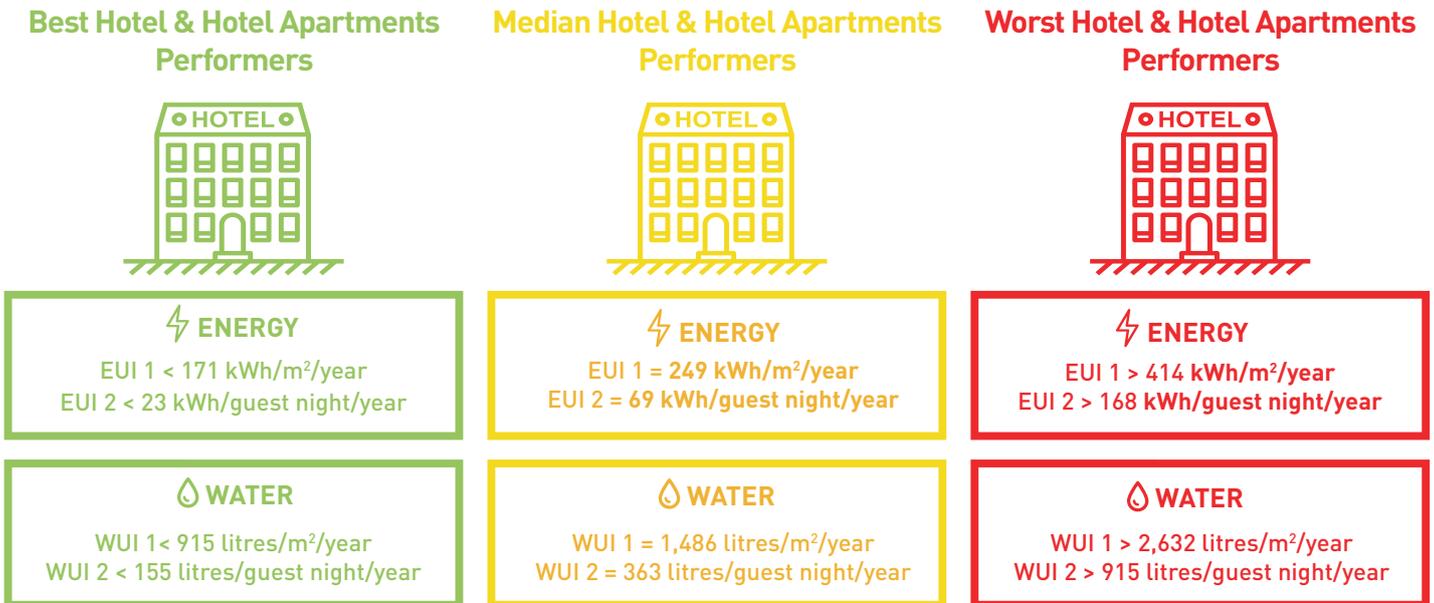


Overview

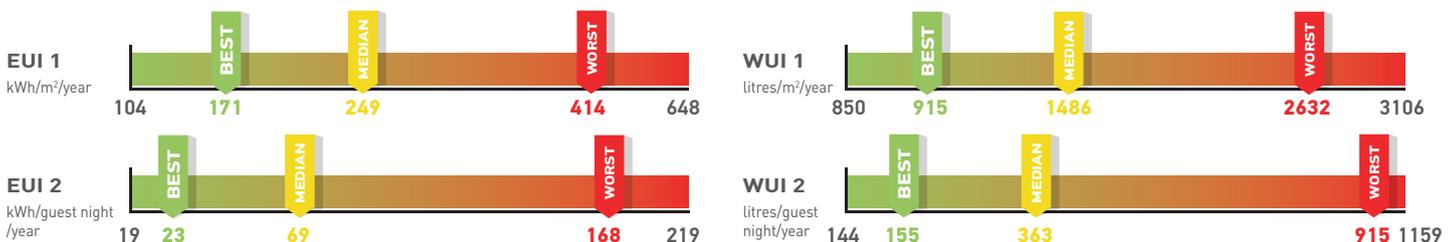
EmiratesGBC conducted the Hotels Benchmarking Project as part of Dubai's commitment to the Building Efficiency Accelerator (BEA) Initiative to establish energy and water benchmarks to support the retrofit market and drive policy makers in developing strategies. Read the full Report on the EmiratesGBC's benchmarking web page.



Key Findings - Hotel & Hotel Apartments



Key Results



Key Findings - Resorts

Best Resorts Performers



⚡ ENERGY

EUI 1 < 193 kWh/m²/year
EUI 2 < 71 kWh/guest night/year

💧 WATER

WUI 1 < 1,093 litres/m²/year
WUI 2 < 586 litres/guest night/year

Median Resorts Performers



⚡ ENERGY

EUI 1 = 334 kWh/m²/year
EUI 2 = 148 kWh/guest night/year

💧 WATER

WUI 1 = 1,676 litres/m²/year
WUI 2 = 855 litres/guest night/year

Worst Resorts Performers



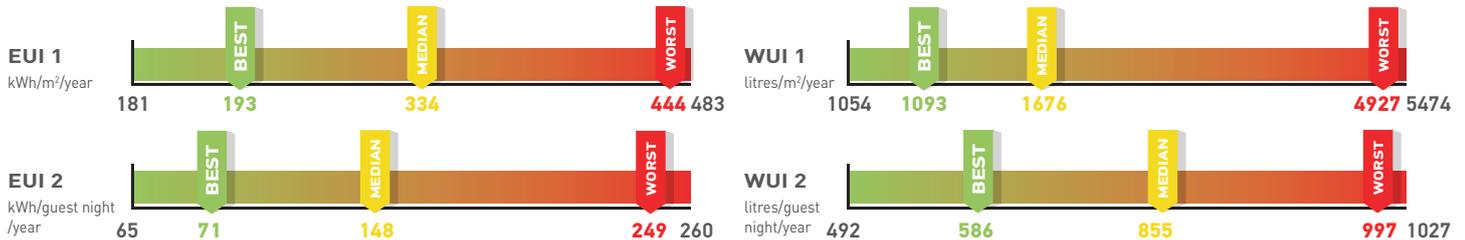
⚡ ENERGY

EUI 1 > 444 kWh/m²/year
EUI 2 > 249 kWh/guest night/year

💧 WATER

WUI 1 > 4,927 litres/m²/year
WUI 2 > 997 litres/guest night/year

Key Results



Best vs Worst Performers

Overall, best performers consume

58% less energy

per area than worst performer

Best hotel performers consume

65% less water

per area than worst performer

Best resorts performers consume

78% less water

per area than worst performer

EUI 1: The Energy Use Intensity 1 is the total energy used by the property (i.e. the onsite electricity, fuel and district cooling) used divided by the gross conditioned floor area.
EUI 2: The Energy Use Intensity 2 is the total energy used by the property divided by the annual guest night.
WUI 1: The Water Use Intensity 1 is the total water used by the property divided by the gross conditioned floor area.
WUI 2: The Water Use Intensity 2 is the total water used by the property divided by the annual guest night.
The 5th percentile and the 95th percentile values were used as a scale to define the best performers and worst performers, respectively.