

Energy and Water Performance of

DUBAI SCHOOLS



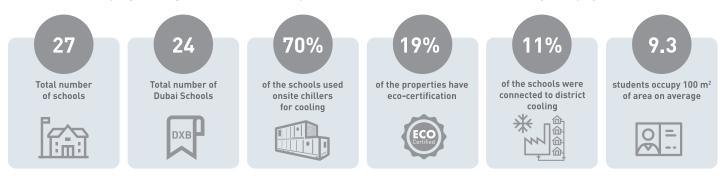


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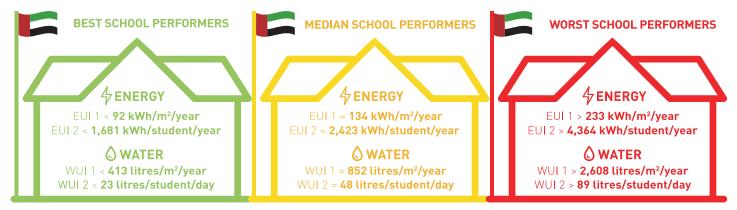


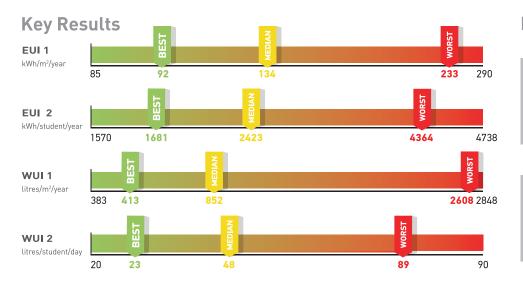
Overview

EmiratesGBC conducted the Schools 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





Best vs Worst Performers

The best performers consume

61% less energy

per area than worst performers

The best performers consume

84% less

per area than worst performers

- The Energy Use Intensity 1 is the total energy used by the property (i.e. the onsite electricity and district cooling) 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 total number of students.
- 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 per day divided by total number of students.
- The 5th percentile and the 95th percentile values were used as a scale to define the best performers and worst performers, respectively.

The Building Efficiency Accelerator (BEA), is a public-private collaboration that turns global expertise into action to accelerate local government implementation of building efficiency policies and programs. The global initiative is led by World Resources Institute (WRI) and is one of the six assessment tools under the UN program Sustainable Energy for All which aims to double the global rate of improvement in energy efficiency.