

Data Centre Benchmarks



The main function of a Data Centre is to host servers, network devices and storage devices. Water is mainly used as make-up water to the cooling towers.

Figure 1 below shows a breakdown of the overall water usage statistics in the Data Centre sector.

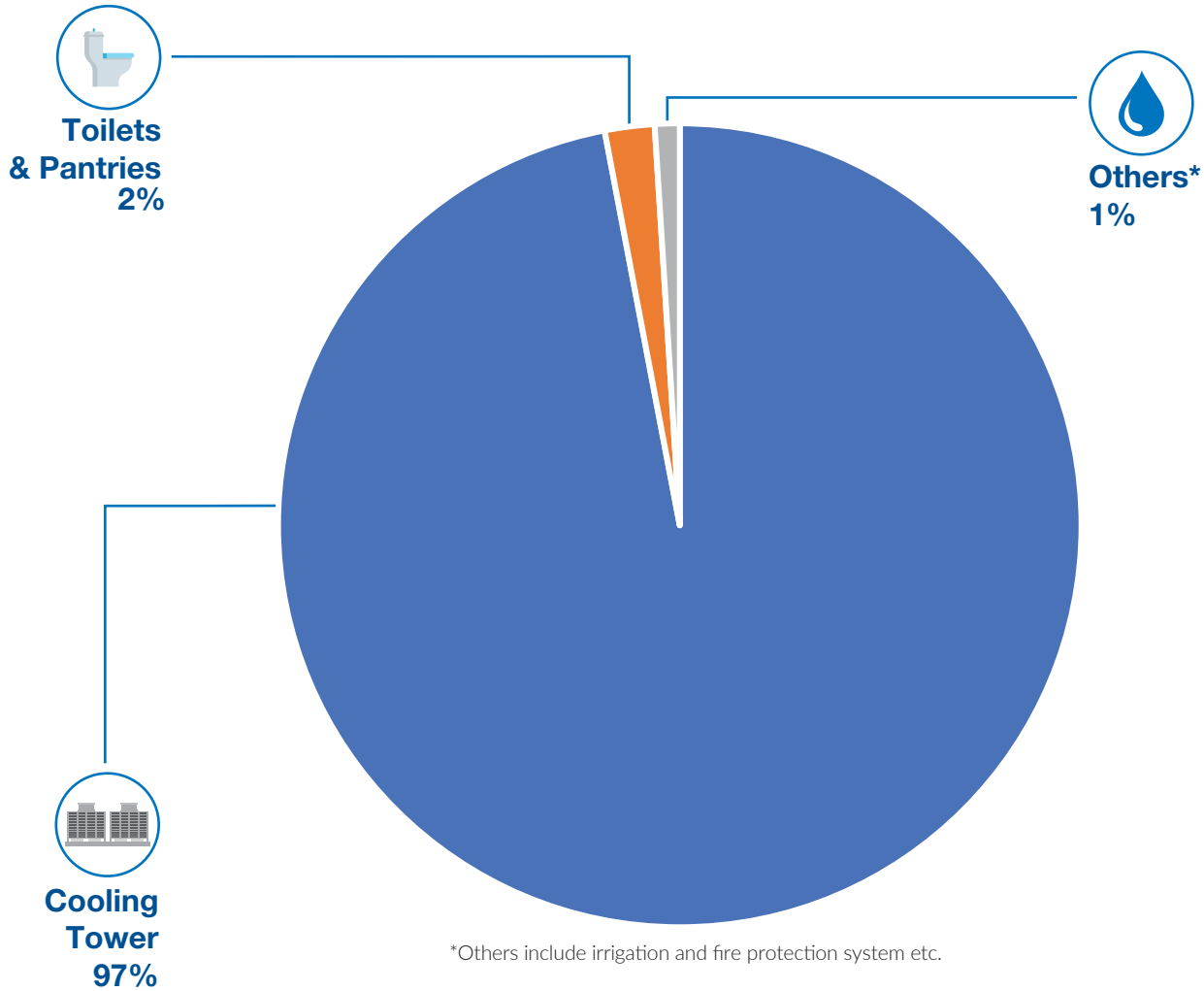


Figure 1: Breakdown of Water Usage for Data Centre Sector

The Water Usage Effectiveness (WUE) for Data Centre is established based on the operating IT equipment load and is computed as:

$$WUE (m^3/MWh) = \frac{\text{Annual Water Consumption (m}^3\text{)}}{\text{Annual Operating IT Equipment Load (MWh)}}$$

The distribution of WUE for Data Centres is shown in Figure 2.

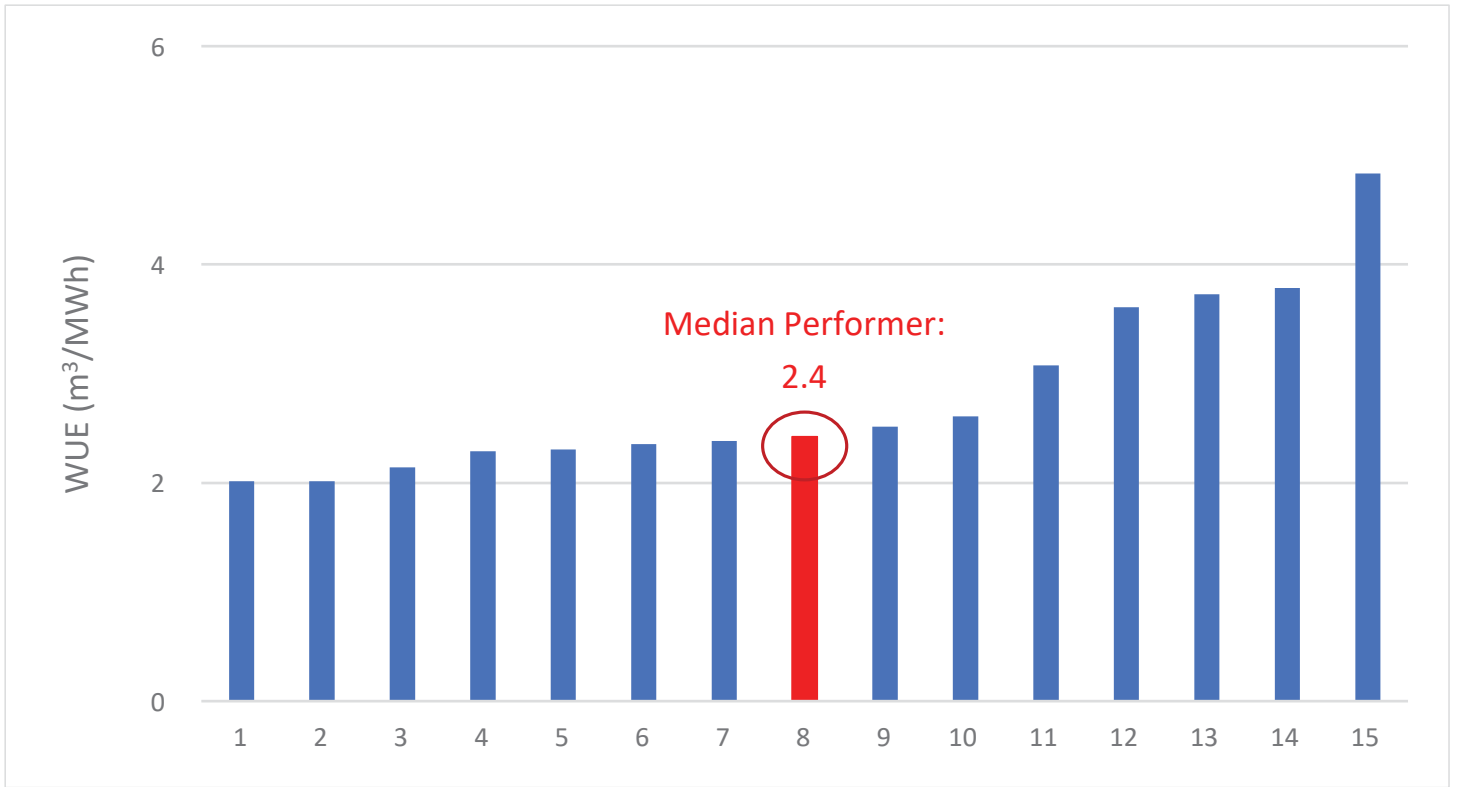


Figure 2: WUE for Data Centres