

Water Demand

Civil Engineering

The figures a supply network is sized on.

Order-of-magnitude planning values. Local data always wins.

Item	Typical planning figure
Domestic use	100 to 200 litres per person a day
Peak day factor	About 1.2 to 1.5 times average
Peak hour factor	About twice the average hour
Fire flow	Set by the fire authority, not demand
Leakage allowance	A large share of what is put in
Service reservoir	Around one day of demand

Educational reference. Indicative planning values only. Use the water undertaker's own figures and design rules.