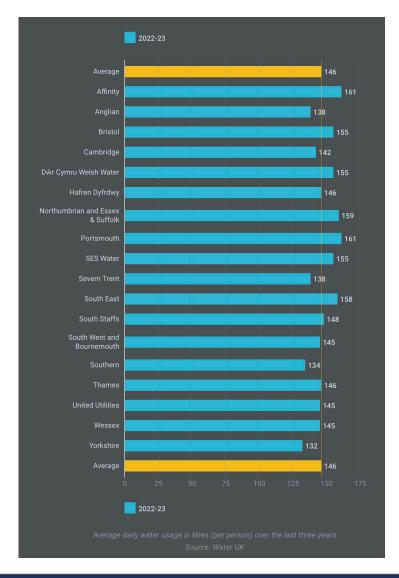
waterwise

Managing Demand Down

Richard Tidswell (Waterwise)



Question 1: How much water does the average person use each day? (in litres)



The amount we use

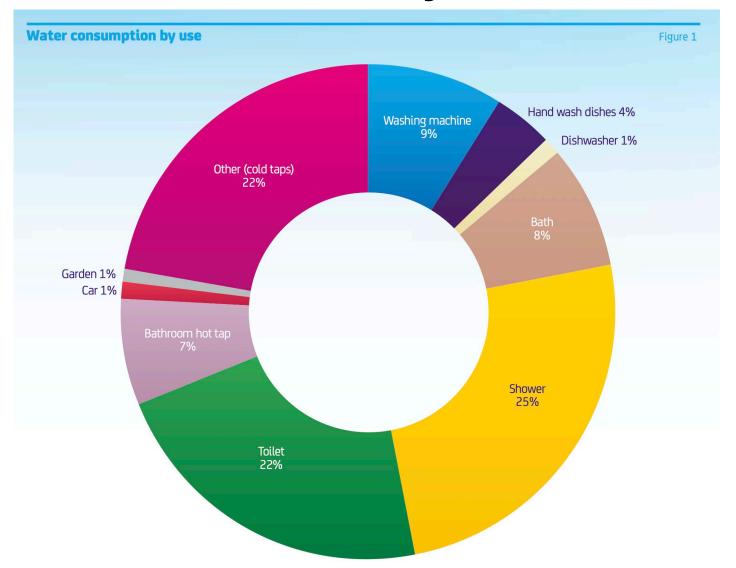
We must use water wisely

An increasing population means extra demand for water while increasingly erratic weather patterns could lead to more droughts in the future. It is more important than ever for everyone to take care how they use water.



The average household uses 368 litres of water each day

Question 2: What are the three biggest uses of water in the home?



Showers = 25%

Toilets = 22%

Cold Taps = 22%

Question 3: In order to meet the Government's statutory demand reduction target, what do we need to reduce average per person consumption to by 2038?



- Reduction to 122 litres per person per day by 2038 (16% reduction)
- Reduction to 110 litres per person per day by 2050 (25% reduction)

Question 4: What is the expected water efficiency of new homes in East Anglia in current Building Regulations? (Litres per person per day)

All new homes have to meet the mandatory national standard set out in the Building Regulations (of 125 litres/person/day). Where there is a clear local need, local planning authorities can set out <u>Local Plan</u> policies requiring new dwellings to meet the tighter Building Regulations optional requirement of 110 litres/person/day.

Government consultation on changing this expected in May 2024

Question 5: What proportion of homes has a leaking toilet wasting on average over 200 litres per day into the toilet pan?

Answer: 13%...it's like having a couple of extra relatives living in your home

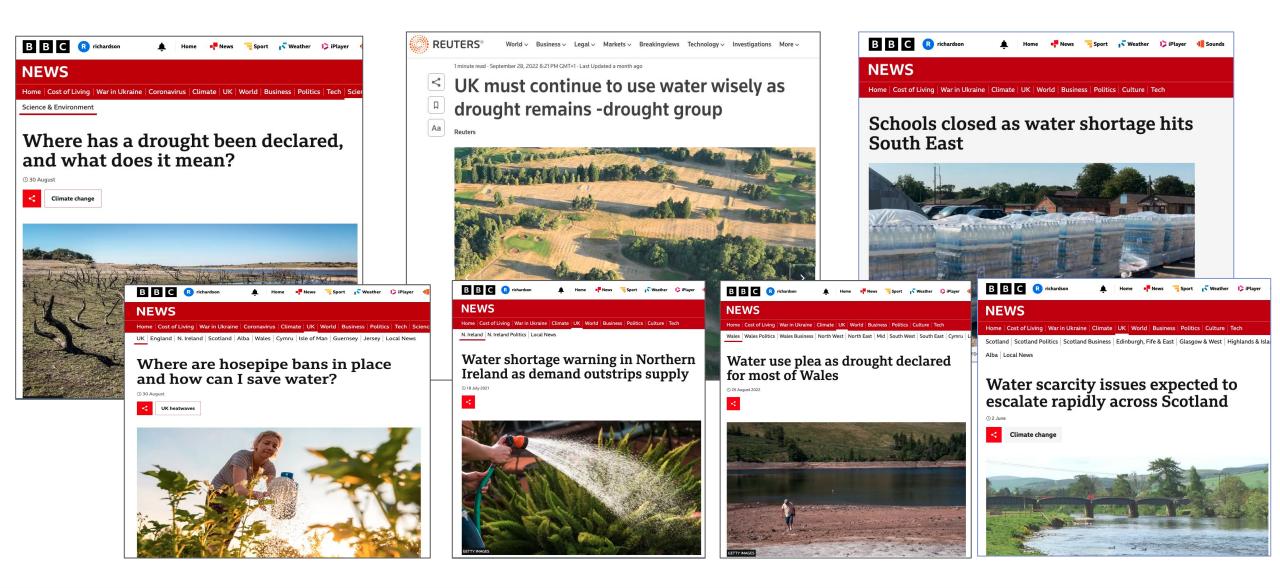
Some 397 million litres is estimated to leak from UK toilets every day which is the equivalent of the daily water consumption of 2.8 million people

Question 6: What proportion of commercial buildings has a leak?

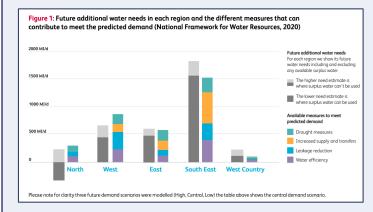
Answer: Potentially 25-30%

Data from Thames Water's smart metering programme indicated 25% of business premises have continuous flow and that 20-30% of the water supplied to businesses is showing up as continuous flow

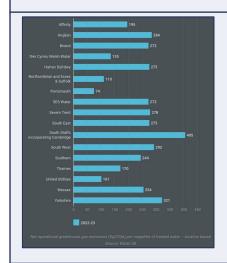
Flashback to 2022



Why we need a UK Water Efficiency Strategy



Keeping the taps running



Reducing emissions

**Not clear whether there is enough water' for additional homes to house Cambridge's growing population

Councilius are concerned about whether there is enough water to supply new homes and further environmental harm and putting rivers and chalk streams at risk

**Suffolk water shortage may 'throttle back' firms' growth

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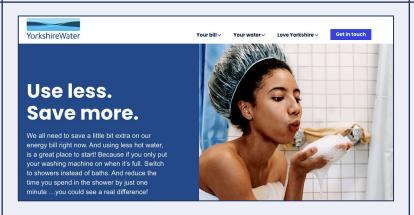
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Enabling growth

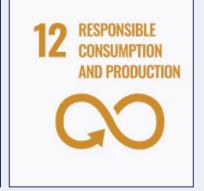


Saving people money



Protecting & enhancing the environment





Deliver the UN Sustainable Development Goals

Strategy Vision: A UK in which all people, homes and organisations are water-efficient

Table 1 - Our 10 Strategic Objectives (SO) for the new Strategy



Strategic Objective 1

All UK Governments and regulators show clear, visible leadership for water efficiency and reflect this in their policy and regulatory frameworks.



Strategic Objective 2

People and organisations have access to useful and timely information on their water consumption and potential for savings.



Strategic Objective 3

People and organisations are aware of why we need to use water wisely and how to do it. Water-saving campaigns are effective; consistently evaluated the learnings are shared and used



Strategic Objective 4

People value water through life-long learning about water and how to use it wisely.



Strategic Objective 5

Water efficiency advice and support is inclusive and is helping people in vulnerable circumstances, including in financial hardship.



Strategic Objective 6

All new developments are much more water-efficient and are waterneutral in water-stressed or water scarce areas.



Strategic Objective 7

Water efficiency measures are included in building retrofit programmes, including to achieve net zero.



Strategic Objective 8

People and organisations are fitting water-efficient products and making use of a mandatory water efficiency label. The take up of innovative water-saving products is increasing.



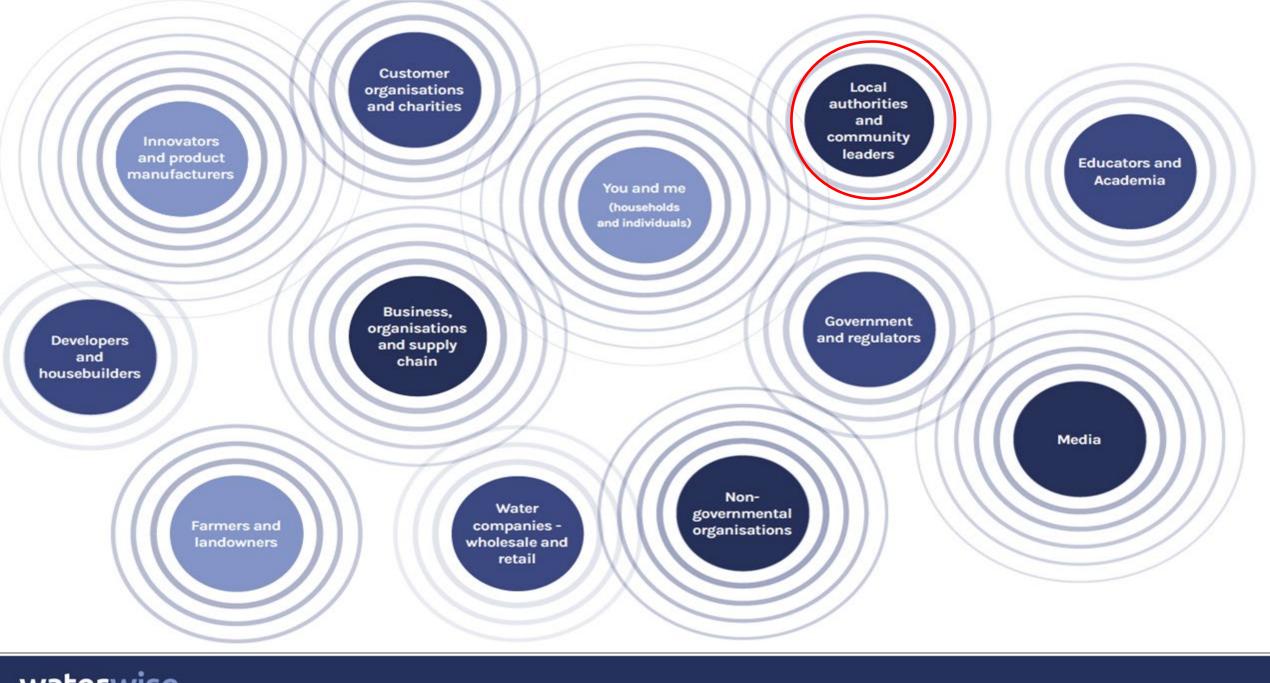
Strategic Objective 9

Leaking toilets and confusing dual-flush buttons are a thing of the past.



Strategic Objective 10

Organisations are more motivated to save water and the delivery of water-saving advice and support to them is working well.



Workshop Questions

- 1. Is water scarcity/availability an issue in your area? Have you seen any impacts?
- 2. Of the 10 strategic objectives in the national Water Efficiency Strategy, which ones can you most influence within your organisation?
- 3. What are you currently doing within your own organisation to reduce water demand? Are you progressing any initiatives in your own estate and buildings? Do you want to do more and what would enable that to happen?
- 4. What role do you play in helping to reduce water demand in the communities you serve? How can you build awareness, encourage behavioural change and help drive down demand? What would help enable you to make that happen?
- 5. Current government policy is that new homes need to be built to 110 litres per person per day standard and there is no requirement for any water reuse. We have an opportunity in the next few months to update the current regulations for Building Regulations. What would you like to see changed?

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Thank you