

# Your drinking water

Today, tomorrow, whatever the weather



## Southern Water supplies fresh, healthy drinking water to more than one million homes and businesses in the South East of England.

We plan 25 years ahead to make sure there is always enough drinking water to go round our customers in Kent, Sussex, Hampshire and the Isle of Wight.

We have made the following promises about what we will do to keep taps flowing:

**No restrictions on water use, unless there are at least two dry winters in a row.**

For example, no hosepipe bans.

Current record: Once every six years.

**Reduce leakage by 2020.**

Target of 86 million litres a day in leakage by 2020.

This equates to a reduction in leakage of almost two million litres a day by 2020.

**10 per cent reduction in average water use by 2020 with better advice on saving water, energy & money.**

Reduce the amount of water used by 15 litres per person, per day.

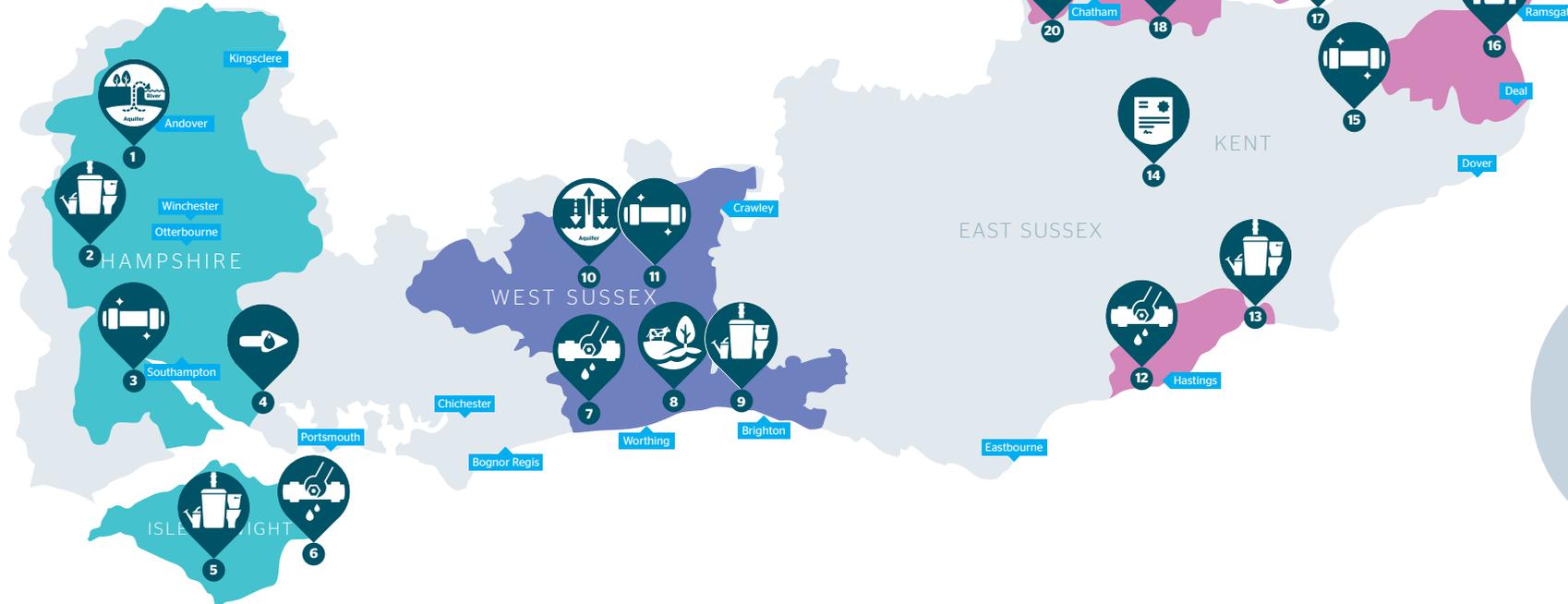
Current average water use per person, per day = 148 litres.



A constant supply of high-quality drinking water

Southern Water

# How we are securing your water supplies between now and 2020



## Western area

- 1. Operation of the Candover Augmentation Scheme** - a **groundwater source** currently operated by the Environment Agency. This will transfer ownership to Southern Water and be used to increase flows in the River Itchen in Hampshire **by 2018**.
- 2. Water efficiency schemes** in homes, schools and businesses in Hampshire **by 2019**.
- 3. Upgrade Testwood Water Supply Works** and build a new pipeline to pump water to Otterbourne Water Supply Works in Hampshire **from 2018-19**. (This allows us to reduce the amount of water we take from the River Itchen to meet a sustainability reduction as part of the Habitats Directive).
- 4. Transfer** up to 10 million litres of water each day from Portsmouth Water to Hampshire **from 2017**.
- 5. Water efficiency schemes** in homes, schools and businesses on the Isle of Wight **by 2019**.
- 6. Leakage reduction** on the Isle of Wight to save 0.4 million litres of water each day **by 2015**.

## Eastern area

- 12. Leakage reduction** in Sussex Hastings **by 2019** to save 0.4 million litres of water each day.
- 13. Water efficiency schemes** in schools and businesses in Sussex Hastings **by 2017**.
- 14. Change our abstraction licence** on the River Medway in agreement with

the Environment Agency to allow us to take more water in the winter and less in the summer **by 2015**.

- 15. Build a pipeline** to help move more water around the Medway region **by 2017**.
- 16. Water efficiency schemes** in schools and business in Kent Thanet **by 2019**.
- 17. Catchment management scheme** and nitrate removal plant at Gore Water Supply Works in Medway to allow us to continue taking groundwater **by 2019**.

- 18. Change our abstraction licence** at Danaway in Medway in agreement with the Environment Agency to allow us to take more groundwater **from 2016**.
- 19. Water efficiency schemes** in schools and businesses in Kent Medway **by 2015**.
- 20. Supply** 61 million litres of water each day to South East Water from Bewl Water as part of the Water Resources in the South East regional plan **from 2015**.

EAST SUSSEX

KENT

The dates show when the schemes will be delivered, so, in most cases, work starts years in advance.

## Central area

- 7. Leakage reduction** in Sussex Worthing to save one million litres of water each day **by 2019**.
- 8. Catchment management schemes** and nitrate removal plants at two water supply works in Sussex Worthing and two in Sussex Brighton **by 2016**.
- 9. Water efficiency schemes** in homes, schools and businesses in Sussex Worthing and Sussex Brighton **by 2019**.
- 10. Restructure** our 'well field' near Pulborough in Sussex **by 2019** where we take **groundwater** to enable the wells to operate more efficiently all year round. There will be no increase in the overall amount of water we abstract.
- 11. Stage one of a new pipeline** in Sussex **by 2018** to help move water around the region more easily and to help preserve storage at our Weir Wood reservoir during droughts.

# Our long-term plans to supply water

We plan 25 years ahead to ensure we can supply fresh, drinking water supplies to all our customers, even during droughts. We update these plans every five years, which means they may change in the future to reflect the latest population numbers and technology.

## Key schemes currently planned between 2020 and 2040 include:



### Kent

**Water re-use** - recycling cleaned wastewater to the River Medway to abstract further downstream and treat to the highest drinking water quality standards.



### Sussex

**Aquifer storage and recovery** - storing drinking water in natural rock reservoirs underground until it is needed in dry years and droughts.



### Hampshire

**Desalination** - treating seawater to provide drinking water on the coast in south Hampshire.



### Isle of Wight

**Transfer** - increasing the amount of water pumped from mainland Hampshire under the Solent to the Isle of Wight.

## Our plans also include:

- Reducing leaks from pipes
- Promoting water efficiency in homes, schools and businesses
- Working with landowners and farmers to protect water sources from nitrates, pesticides and a build up of sediment.



Find out more about your water online at  
[southernwater.co.uk/wrmp](https://southernwater.co.uk/wrmp)

