



AWS WRMP24

Essex Climate Action Commission | 14th March 2024



Water Resources Management Plan



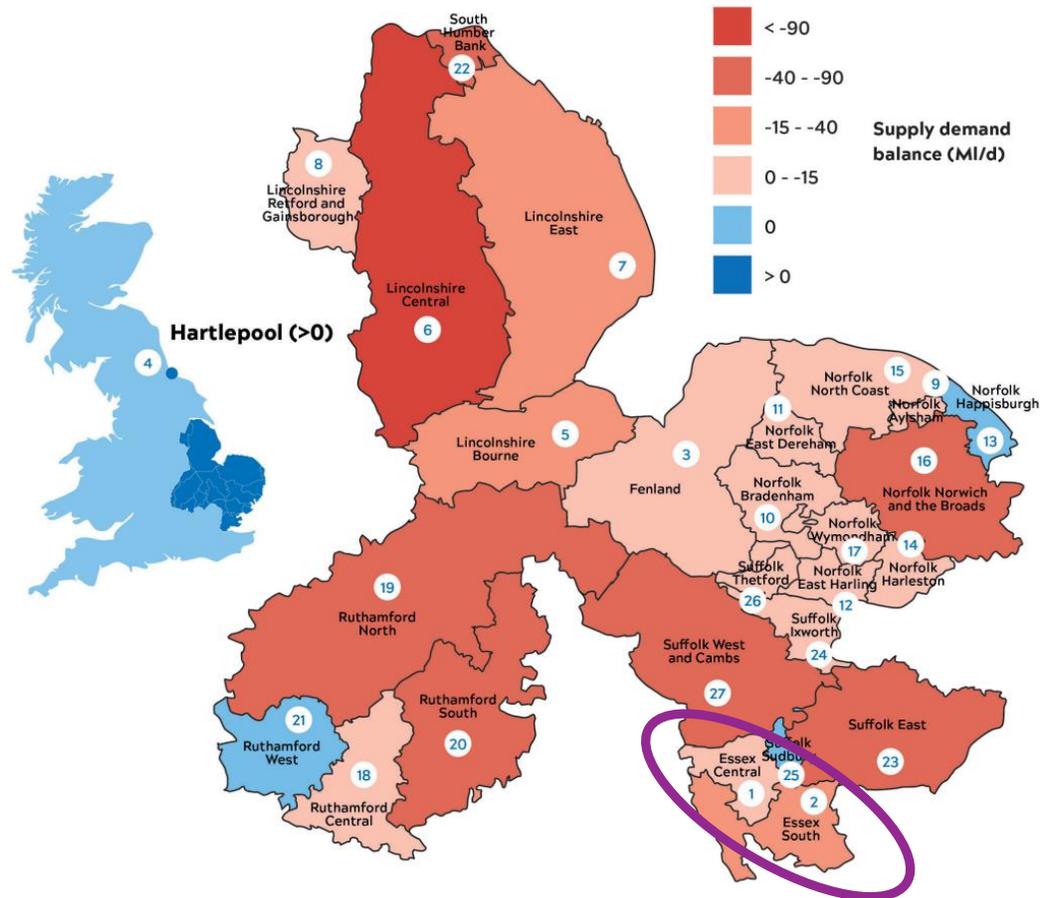
Water companies have a statutory obligation to prepare and maintain a Water Resources Management Plan (WRMP) every 5 years.

We are about to publish an updated Statement of Response to a request for further information from Defra.

Our revised WRMP24:

- Provides a sustainable and secure supply of clean drinking water for our customers.
- Demonstrates a long-term vision (25 years) for reducing the amount of water taken from the environment and shows how we will protect and improve it.
- Is affordable.
- Maintains flexibility by being able to respond to new challenges.
- Complies with its legal duties.
- Incorporates national and regional planning.
- Provides best value for the region and our customers

Essex in WRMP24



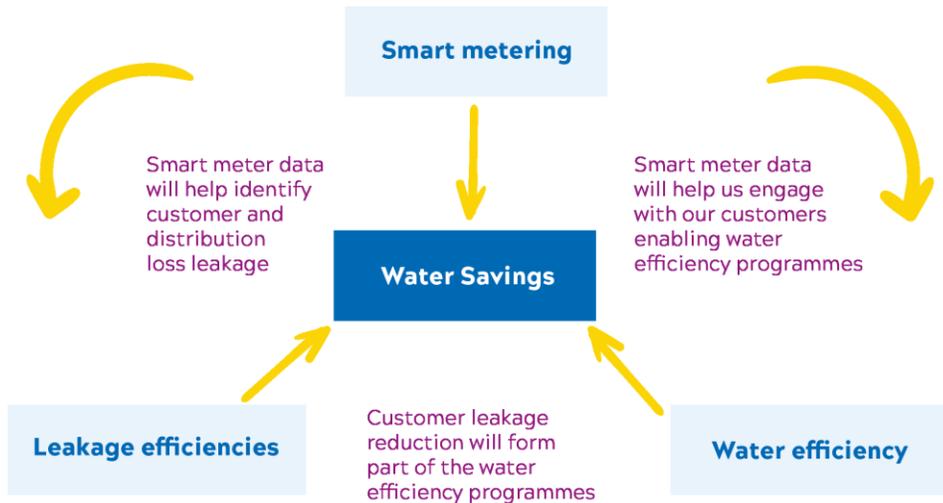
Two of our water resource zones (WRZs) are in Essex: Essex South and Essex Central.

Essex Central covers the Earls Colne and Halstead area.

Essex South includes the areas of Ardleigh, Colchester, Tiptree and Braintree.

- Both areas will be subject to growth and abstraction licence reductions. Due to Ardleigh Reservoir, Essex South will also be impacted by climate change and the need to achieve enhanced drought resilience.
- These challenges mean that, by 2050, **Essex Central** will have **84.3% less water available**, with a forecast **10.6% increase in population**.
- **Essex South** is expected to have **53.3% less water available** with the **population forecast to grow by 18.8%** by 2050.

Reducing deficits through demand management measures



We will reduce leakage by **38% by 2050.**



Using less hot water, saves energy and reduces carbon emissions. Every drop saved helps tackle the impact of climate change.

Non-household
We will implement non-household demand management measures. These will build on our smart metering and water efficiency measures and will be scaled according to size of business.

Smart metering
We will continue the roll out of smart meters in Essex; these will unlock many opportunities for us to help our customers reduce their water usage.

We believe it is fair to pay on the basis of the amount of water you use, so will implement **compulsory metering**. We will continue to assist our vulnerable customers.

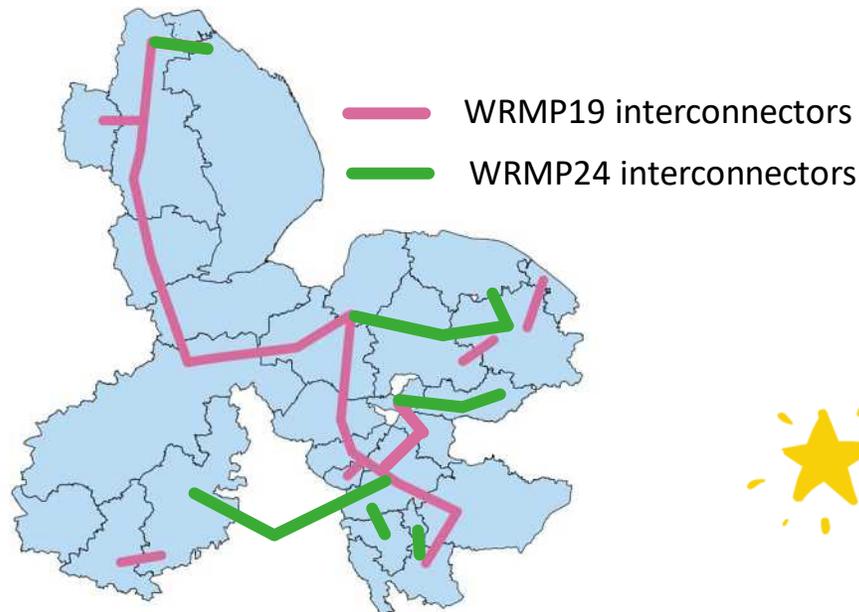


Investing to ensure resilient water supplies in Essex

Building on our WRMP19 strategy

We are currently laying **380km of transfers** to move water from areas of surplus to those in deficit.

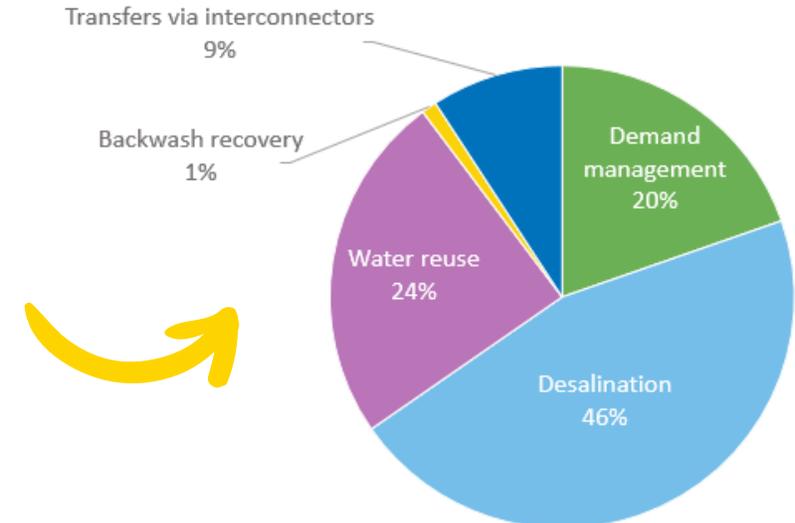
We will build on this strategy over the next 25 years.



Our 25 year supply-side strategy for Essex

- We will continue to build interconnectors between Essex and surrounding WRZs, allowing us to bring water into the area.
- Over £100 million will be invested in a new water reuse facility in Colchester; and
- We will potentially build a desalination plant at Holland on Sea.

How our demand management and supply-side investment will meet the deficits forecast in Essex





Any questions?