

Water Resources East

Emerging Water Resources Regional Plan

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For Essex Flood Partnership Board 26 January 2022

Reminder of our process and engagement to date





- 2x Board/Technical Delivery Group Planning Conferences
- 2x Strategic Advisory Group member training sessions
- 3x Regional Planning Conferences
- 4x Local Focus Catchment Workshops
- 6x Board Focus Group sessions
- New agriculture and energy technical focus groups being formed

Eastern England is...

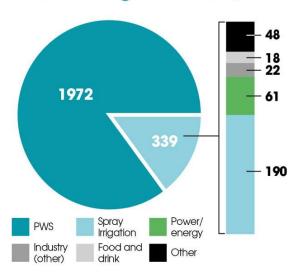








How water is used in Eastern England today



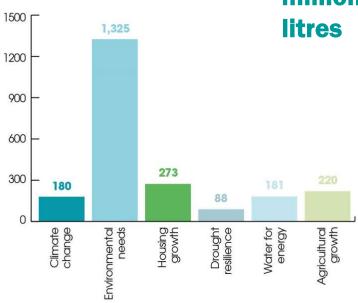
Average daily water consumption in our region is currently estimated at

2,311 million litres







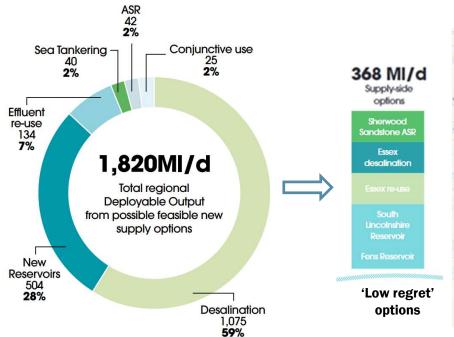


Demand management options:

296 MI/D by 2050:

- Assumes 50% reduction in leakage
- Per Capita Consumption (PCC) of 120 litres /p /d
- More multi-sector and non-household work needed!

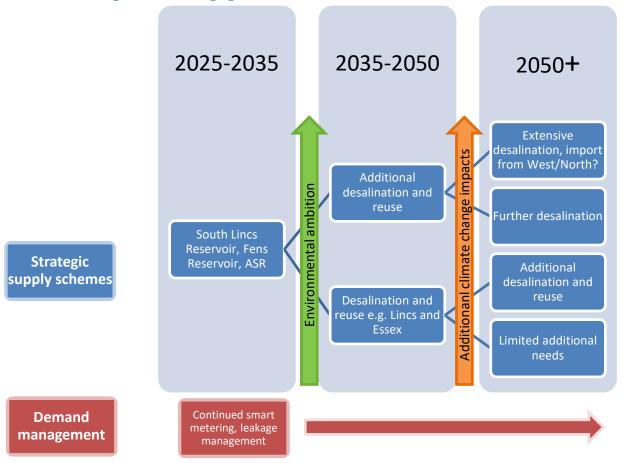
Supply options:





Taking an adaptive approach

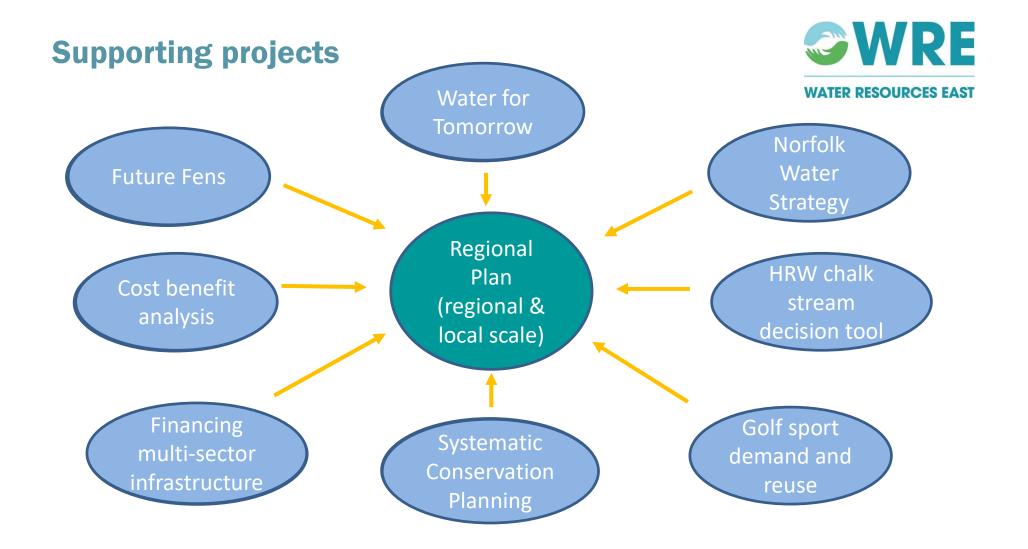




Further areas of clarification and understanding



- Short-term water resource deficits in agricultural supply
- Need for environmental restoration, protection and enhancement
- Agri-food and energy sectors' water need forecasts
- Housing growth scenarios in a number of areas
- Emerging risks and challenges arising from licence abstraction and reform
- Local/catchment water needs/desires across sectors
- Innovative measures/pilots



Essex – a local water management study or pilot?



- Early days but would be good to further develop local catchment approaches in Essex
- Scope need refining....!
 - Local flood risk management strategy
 - Demand management and efficiency?
 - Delivering large scale infrastructure considering their impacts and delivery mechanisms
 - Climate change mitigation and adaption
 - Links to Local Nature Recovers Strategies and nature-based solutions
- Engagement with District Councils and Essex and Suffolk Water will be key
- Anglian Water to put in some funding but further funding likely to be needed

Summary points of the emerging plan



- There is a water crisis today, it is short of water now and if nothing changes that shortage will get worse
- We are predicting that by 2050 the region could require around double the amount of water currently used today additional 2,267 million litres per day
- This future demand for water cannot be met through water efficiency and demand management measures alone
- Significant new infrastructure will be required, we are progressing the no/low regret actions first eg South Lincs and Fens reservoirs
- Further work is needed through to the final plan in autumn 2023 to understand water needs/desires at a local/catchment level

Our consultation questions



- Have we gained a clear initial view of the problem of future water deficits across all sectors and the environment?
- Are we taking the right approach to identify potential solutions to mitigate the challenge?
- Does our emerging adaptive plan, including the immediate low-regret options such as reservoirs, look like it will help address the problem?
- Are the technical methodologies, processes and decision support tools we have used robust and appropriate for the task?
- Has our emerging regional plan been co-created in a fair, open and transparent process involving the right stakeholders and organisations?
- Are there any areas which you feel WRE should be considering which are not currently reflected in our plan? What have we missed?

Forward timeline

17 January 2022 (6 weeks) WRE Draft Regional Plan

- Informal consultation on Draft Regional Plan
- Webinars/follow ups

1 February 2022

Emerging water resources regional plan consultation webinar

February/March 2022 onwards

Local Focus Catchment Workshops with SAG members

11

- ❖ Deep-dive into local catchments & stakeholder follow-ups
- Explore environmental destination scenario alternatives & capture local environmental outcome priorities/start to develop/input into catchment plans with members/partners

21 February 2022 TDG Planning Conference

Technical Delivery Group planning conference

Review and agree metrics for the draft plan

8 June/20 July 2022 WRE Board Meetings

Consolidate feedback to date & agree a draft regional plan position 7

April 2022 Inter-regional reconciliation March /April 2022
Consultation respondencement

5

29 March 2022 TDG Planning Conference Technical Delivery Group planning

Agree draft regional plan to take to the regional reconciliation process

9 September 2022

NRE Draft Regional Plan

Final draft of Regional Plan published for consultation

September 2022 (6 weeks)

WRE Draft Regional Plan

- Formal consultation on Draft Regional Plan
- Webinar/follow ups

August 2022 – September 2023

Further engagement activity yet to be developed following draft plan publication 12

September 2023

WRE Final Regional Plan

Publication of Final Regional Plan



How to respond to the consultation

Emerging regional plan:

https://wre.org.uk/projects/the-regional-plan

Survey response form or email us at contact@wre.org.uk

Deadline is 28th February 2022

Thank you