

south east water

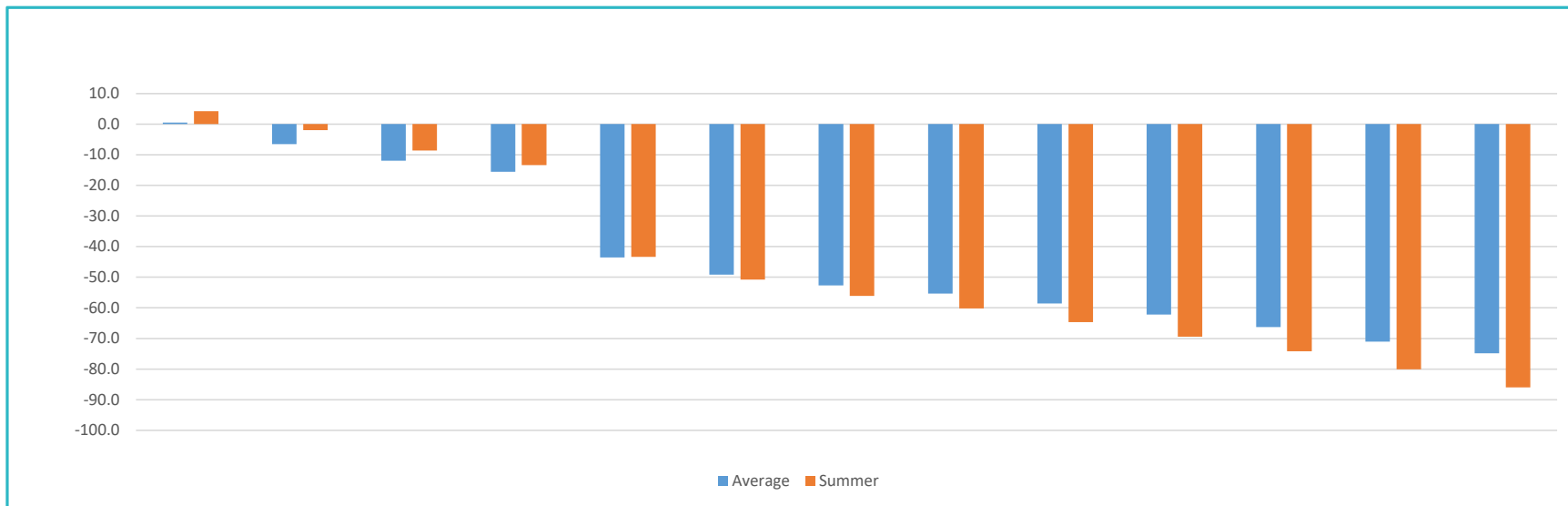
A water company view

Lee Dance
Head of Water Resources



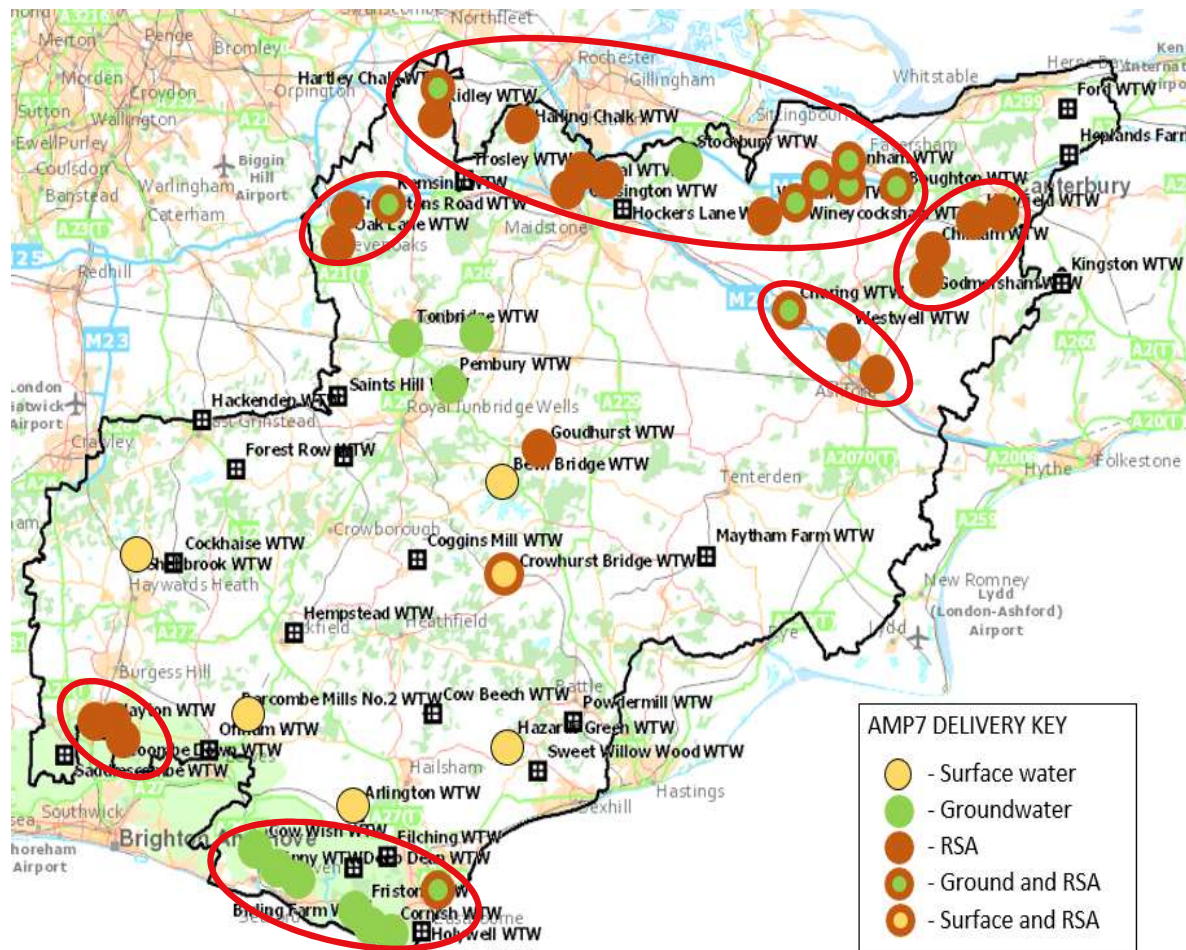
We are forecasting a significant deficit in supply in Kent if we do nothing

Kent	2020/21	2024/25	2029/30	2033/34	2039/40	2044/45	2049/50	2054/55	2059/60	2064/65	2069/70	2074/75	2079/80
Average (MI/d)	0.5	-6.5	-12.0	-15.6	-43.6	-49.2	-52.7	-55.4	-58.6	-62.3	-66.4	-71.1	-74.9
Summer (MI/d)	4.2	-2.0	-8.7	-13.4	-43.4	-50.8	-56.2	-60.3	-64.8	-69.4	-74.2	-80.1	-86.0



Catchment management

Driver	2020 to 2025
Biodiversity	1 Scheme (Dec 2024 deadline) 1 x ODI – biodiversity work doubles 2025 deadline
Invasive Non Native Species (INNS)	1 pipeline (2025 deadline) 2 Schemes investigation (2022 & 2025 deadlines) 3 Schemes delivery (2022 & 2025 deadline)
Surface Water Catchment Management	6 No Deterioration Schemes (Dec 2024 deadline) 2 Schemes investigation (March 2022 deadline)
Groundwater Catchment Management	22 Schemes (March 2022 deadline + Dec 2024 deadline) 6 Schemes, option delivery from AMP6 (Dec 2024 deadline)
Restoring Sustainable Abstraction (RSA)	15 investigations (March 2022 deadline) 2 hab directive (March 2022 deadline) 5 WFD improvements (Dec 2024 or March 2025 deadline) Investigations will carry on into option delivery if abstraction not sustainable potentially 17 schemes (Dec 2024 deadline)



Combining water use of other sectors into long term water resource planning

If no action is taken between 2025 and 2050 around **3,435 million extra litres of water** per day will be needed for public water supply to address future pressures.

1,150 million litres per day to make water supplies more resilient to drought

1,040 million litres per day to supply the growing population

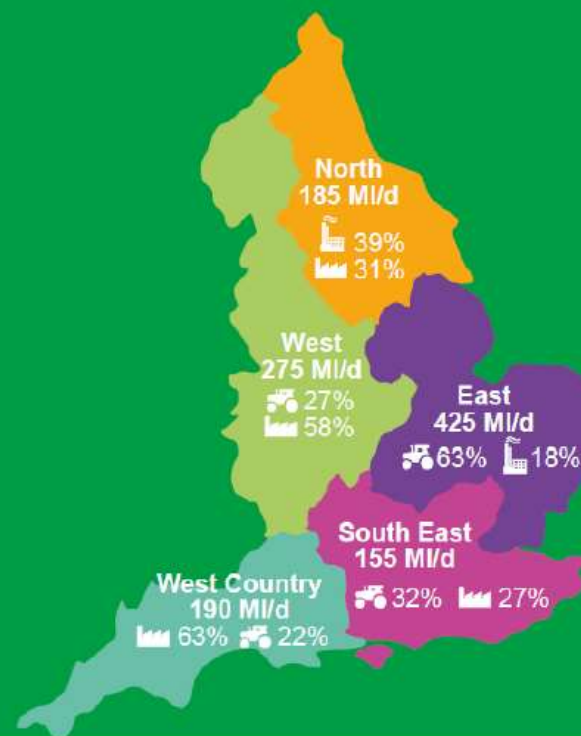
720 million litres per day to replace unsustainable abstractions and improve the environment

400 million litres per day to address the impact of climate change on water availability

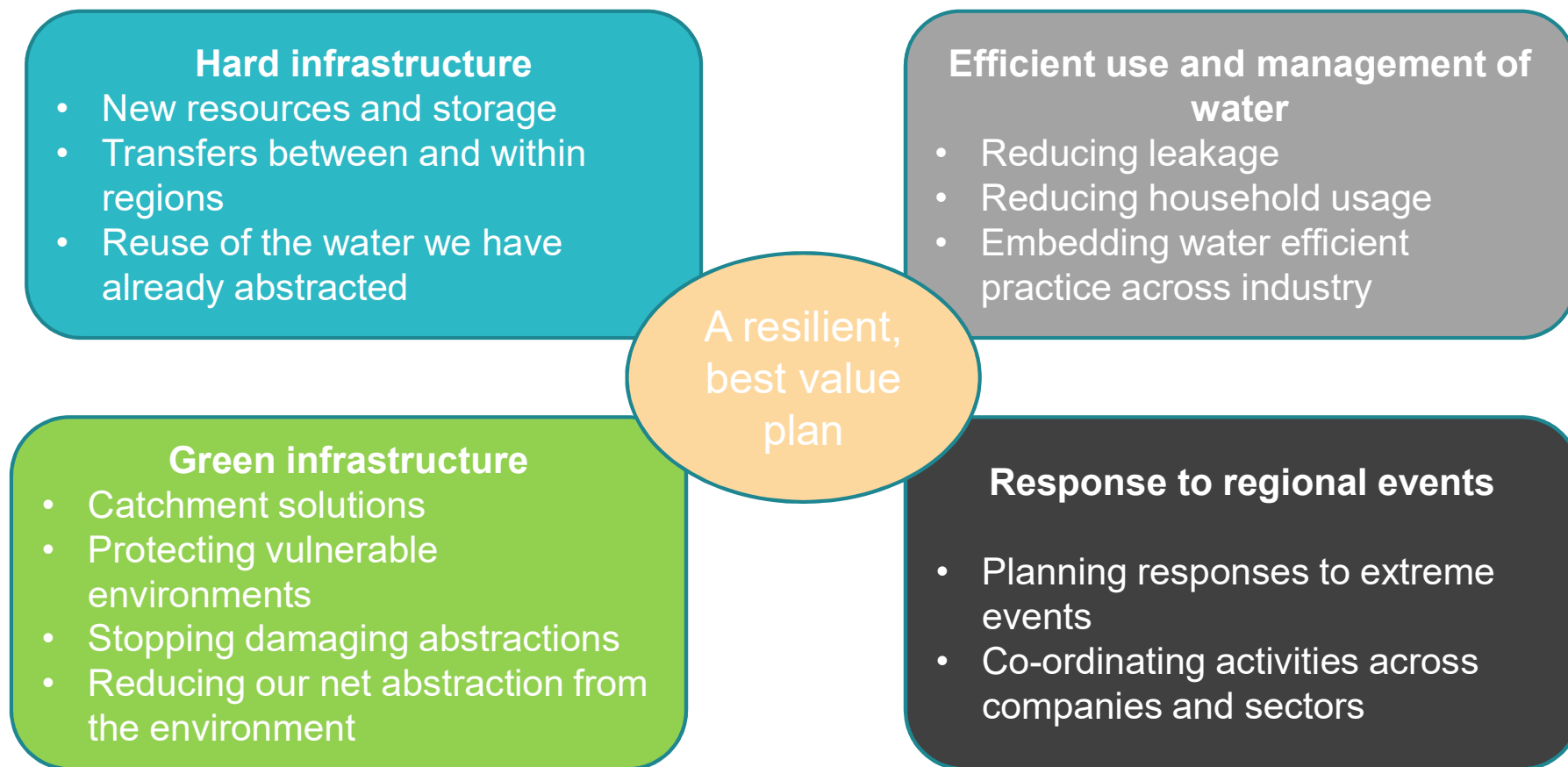
Around **50%** of the national need is in the **South East**.



We've estimated the needs of other water users outside public water supply in each region at 2050.



We are all looking at the same sort of things



What we hope to achieve

- Make a positive input to delivering solutions that can work for agriculture and horticulture
- Better understand agriculture and horticulture water demand
- Use our expertise to help assess long term resilience to droughts and climate change
- Identify resilient and cost effective catchment based solutions that are deliverable and will improve water availability and water quality
- Contribute positively to a resilient economy and environment