

Journey to Net Zero

Affinity Water harnesses the power of the sun to help reach Net Zero

As stewards of the local environment, it is our responsibility to contribute to the fight against climate change, to reach Net Zero and limit the impact of our operations to abstract, treat and distribute high quality drinking water.

As part of Affinity Water's Plan for Net Zero we committed to reach net zero operational emissions by 2030 and generate 10% of the baseload energy we need to power our operations.

A key pillar of this plan is to build a substantial renewables portfolio beginning with constructing solar farms at our sites.

Building on our new Energy Strategy and the work of the Energy Steering Group we have committed significant investment, ran a competitive tender process, assessed the suitability of our sites, planned the construction and began to deliver a pilot project.

This has all required a huge amount of collaboration and determination from across the whole of Affinity Water and particularly from our teams in Estates, Asset Strategy and Capital Delivery, Operations, Treasury, Procurement and Legal. We have also enlisted expert

external delivery partners in Dalcour, Mace and Centrica Business Solutions and HBS New Energies.

Affinity Water has committed £29 million of investment to a three-year programme to deliver up to 23.5 MWh per annum of clean and renewable energy and save 75,011 tCO₂e over a 20-year asset life.

The construction of Phase 1 of our solar project has been complete with the installation of over 3,000 ground mounted solar panels across two of our water treatment sites at Chertsey and Walton. This will deliver 1.5MWp of renewable energy from the sun. Further phases are in planning as part of our three-year programme.


Tackling climate change and reaching Net Zero is one of the biggest challenges the world faces and our investors, customers and stakeholders are looking to us to see what we are doing to achieve it. This project delivers on our commitments.

We have also shifted to a 100% REGO (or Renewable Energy Guarantee of Origin) backed renewable energy tariff, meaning that we have power purchase


agreements for green energy contracted for 100% of carbon emitting electricity consumed by all its pumping stations, buildings, and sites. Combined with our focus on energy management and efficiency across our operations we are taking the important steps today to ensure a sustainable future.



Our Genes

 Stewards of the local environment

Customer outcomes

 Minimising disruption to you and your community

UNSDGs

