

ANGLIAN WATER CARBON STORY



SUPPLY CHAIN

Collaboration and engagement in meeting the carbon challenge.

GOVERNANCE

Capital and operational carbon challenged against baseline prior to construction.



Bedford Water Recycling Centre

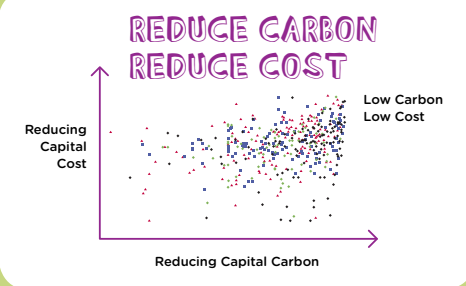
SUCCESS

Aligning the Supply Chain

- 66% reduction in capital carbon
- 170% reduction in operational carbon
- 43% reduction in capital costs



Awards - Promoting positive behaviour in our supply chain



ICR
HM Treasury Infrastructure Carbon Review
 Aimed at leaders to deliver carbon and cost reduction. Through the Green Construction Board, Anglian Water at the heart of this document.

TARGETS

Back to back with the supply chain. **£2 billion programme.**

Deliver a 50% reduction in capital (embodied) carbon by 2015 from a 2010 baseline

Exceed a 10% reduction in real terms in gross operational carbon by 2015 from a 2010 baseline

2010 TARGETS DELIVERED

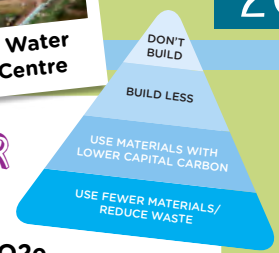
- Exceeded 10% reduction in operational carbon in real terms
- 54% reduction in capital carbon

2015 **2014** **2013** **2012**

UPDATED TARGETS

Deliver a 60% reduction in capital (embodied) carbon by 2020 from a 2010 baseline

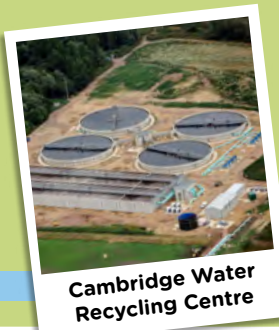
Exceed a 7% reduction in real terms in gross operational carbon by 2020 from a 2015 baseline



EXEMPLAR PROJECT

- Saved 7,302t CO₂e
- Saved £1.4m

This project bought together the learning of the past five years. From early design collaboration with operations and the supply chain, to using innovative materials, off site build and zero material removed from site, faster delivery and zero accidents.



Cambridge Water Recycling Centre

Proud recipients of the **Queens Award for Enterprise: Sustainable Development**

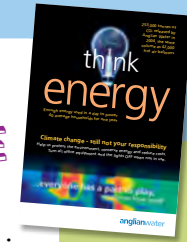
Anglian Water takes leaders from its supply chain to the MayDay Summit - Action Pledged.



2008

2006 RESPONSE

Energy Initiative launched promoting action in energy efficiency.



2007 STRATEGY

Measurement and Baselining Capital and operational carbon for the 2010-2015 business plan.



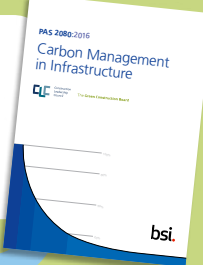
Low carbon concrete

INNOVATION

Through zero cement concrete. 60% carbon reduction in the base slab.

PAS2080

Carbon management in infrastructure. Anglian Water the first company to be verified globally. Next step PAS to ISO.



bsi.

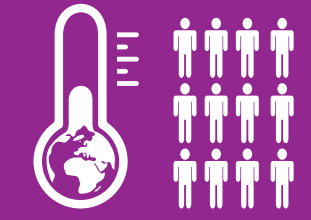
2016



First large scale solar installations contribute towards renewable energy from biogas and wind

2006 CHALLENGES

CLIMATE CHANGE & POPULATION GROWTH



2017

NEW TARGET

CARBON NEUTRALITY BY 2050