



Public Sector Leadership; Cutting Carbon, Saving Money

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Head of Public Sector



About the Carbon Trust

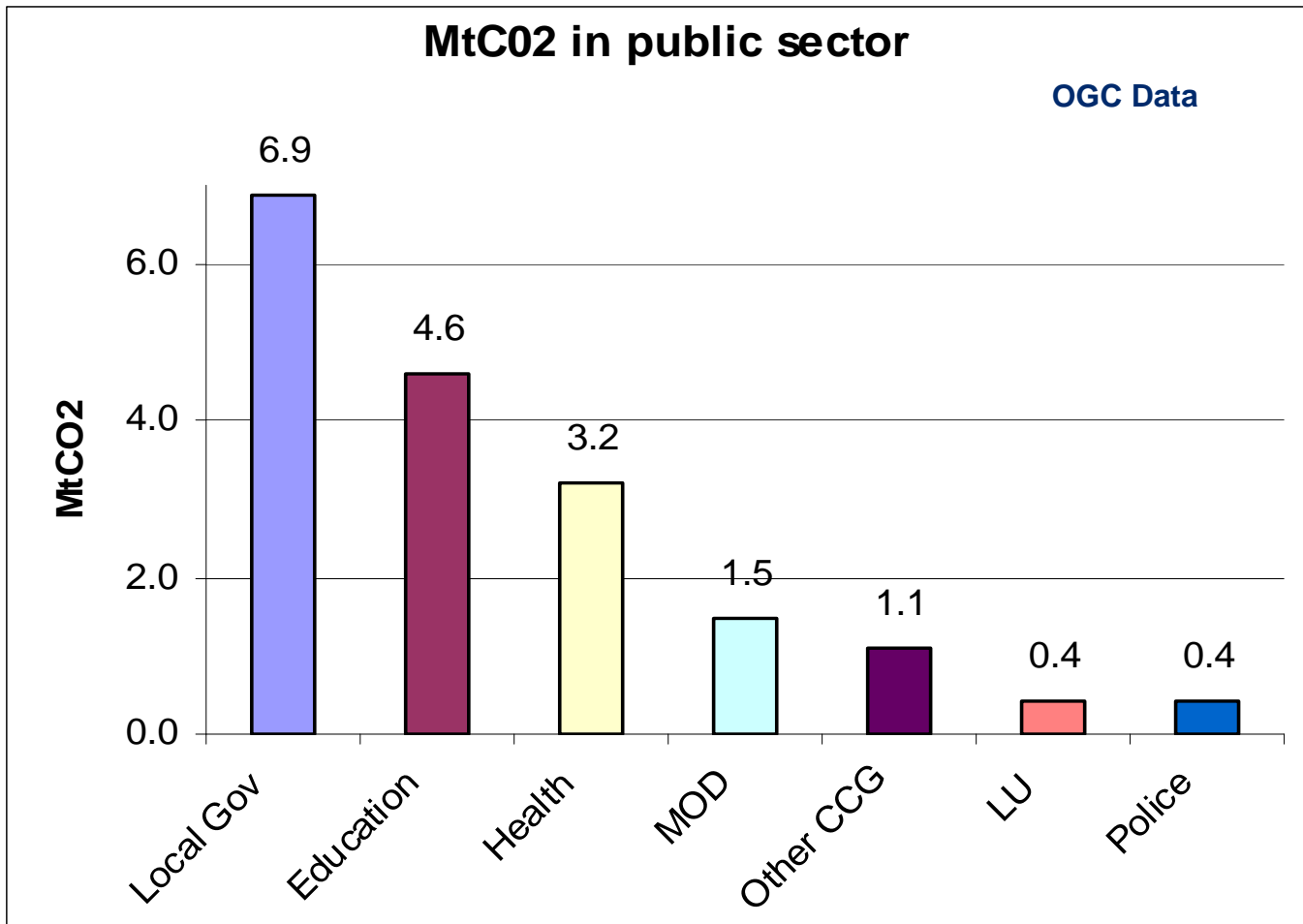


- The Carbon Trust was set up by government as an **independent company**
- Our mission is **to accelerate the move to a low carbon economy**
- We work with organisations to reduce carbon emissions now and develop commercially viable low carbon technologies to reduce future emissions
- To deliver our mission we bring together **public and private funding** and encourage cross sector partnerships
- As a Company Limited by Guarantee any profits we make are reinvested to help deliver our mission

UK's direct emissions ~ 560 MtCO₂

Public Sector ~ 8% of UK CO₂

(18 MtCO₂ in buildings alone)



DIRECT IMPACT

- Significant direct CO₂ impact at ~18mt CO₂
- Energy bill in excess of £3B
- PSBs own 10% of all land in the UK at ~ 1m hectares
- PSBs own tens of thousands of buildings

INDIRECT IMPACT

Barriers to carbon reduction in the Public Sector require a range of support

1. Competing **business priorities** and lack of senior management buy-in to drive action

3. Lack of **internal capacity & capability** to own implementation

4. Lack of **technical expertise** to specify solutions in detail and develop business case

2. Lack of **structured approach** to carbon reduction, no clear strategy

5. Difficulties in releasing **finance** to invest

Support to the Public Sector



Carbon Trust

Carbon Surveys

Identifying opportunities **Bespoke**
Tailored support

LA, HE & NHS Carbon Management

Strategic support to large PSBs

Central Government Carbon Management

Strategic support to Gov Depts

Carbon Management Lite

Strategic support to small PSBs

Carbon Management Revisited

Review, refresh & raise the bar

Carbon Management Leadership

Area-wide carbon reduction

Public Sector Network

Online issues exchange forum

Design Advice

New build and refurb

Energy Tech List

Procurement guidance

Carbon Trust Enterprises

Partnership for Renewables

Commercial onsite renewables

Carbon Trust Standard

Recognising real carbon reduction

Salix Finance

Match funded scheme

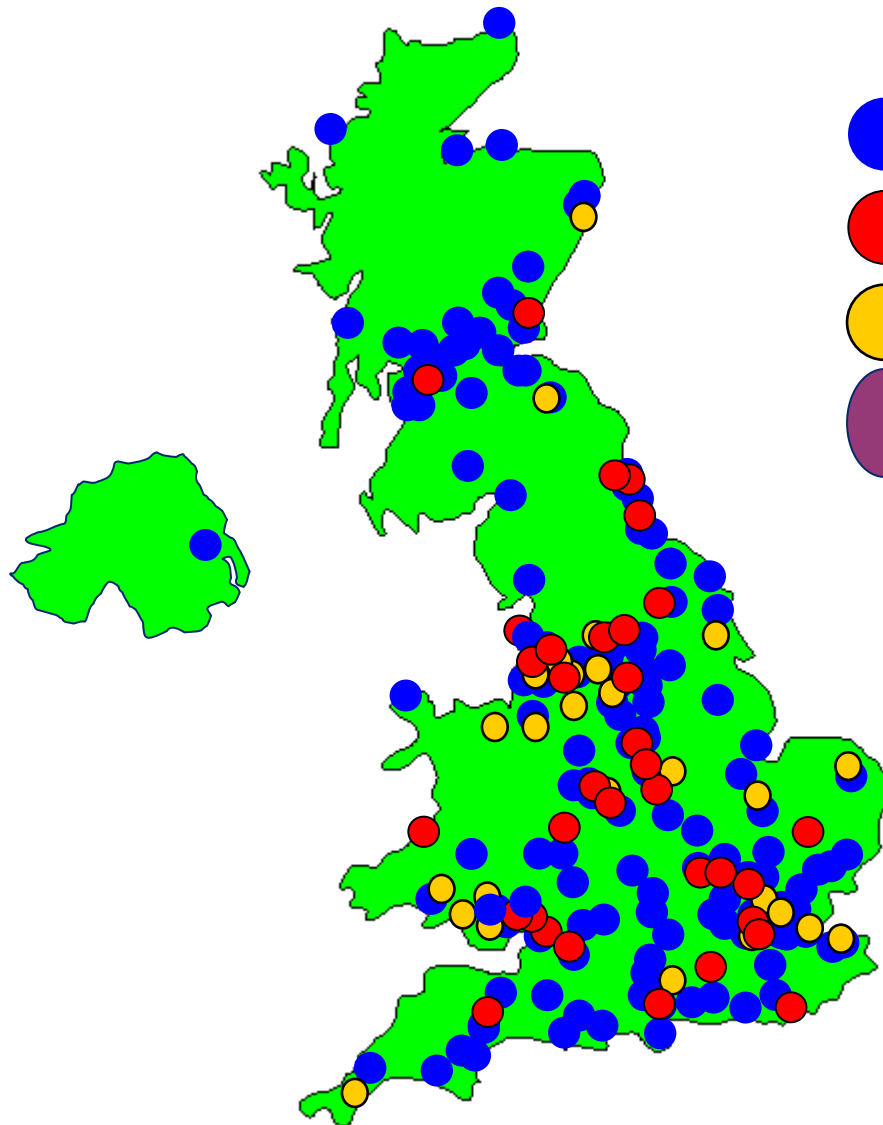
Fully funded 09/10 scheme

Carbon Management – The process



10 month programme -
Free technical and project management support -
Genuine partnership -
Sector specific approach -
Built around sector knowledge exchange

443 Public Sector Carbon Management partners



277 Local Authorities



84 Universities



70 NHS orgs

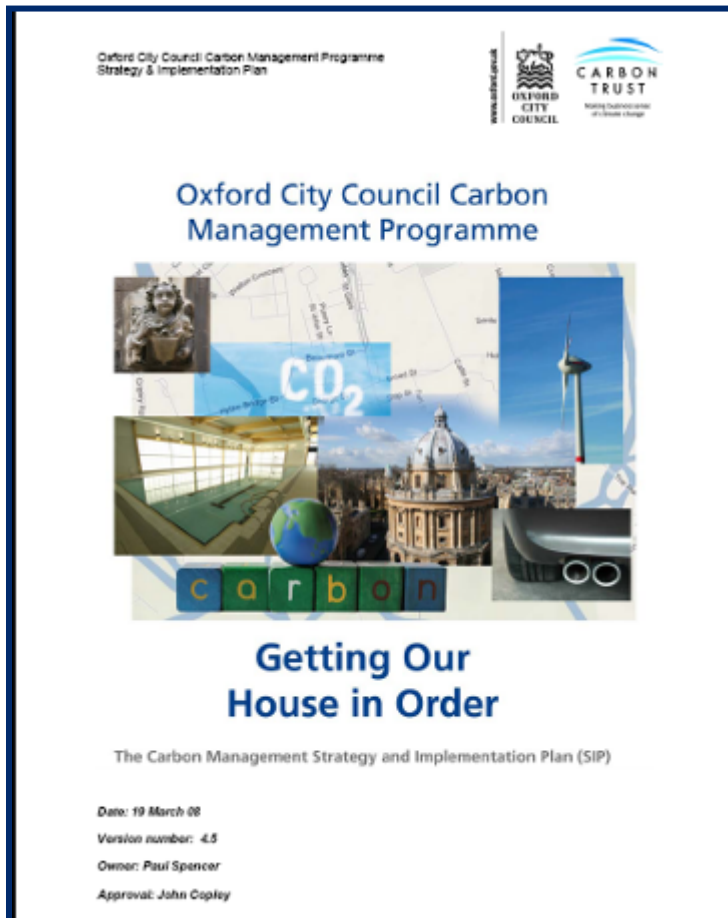


**12 Gov Depts &
Agencies**

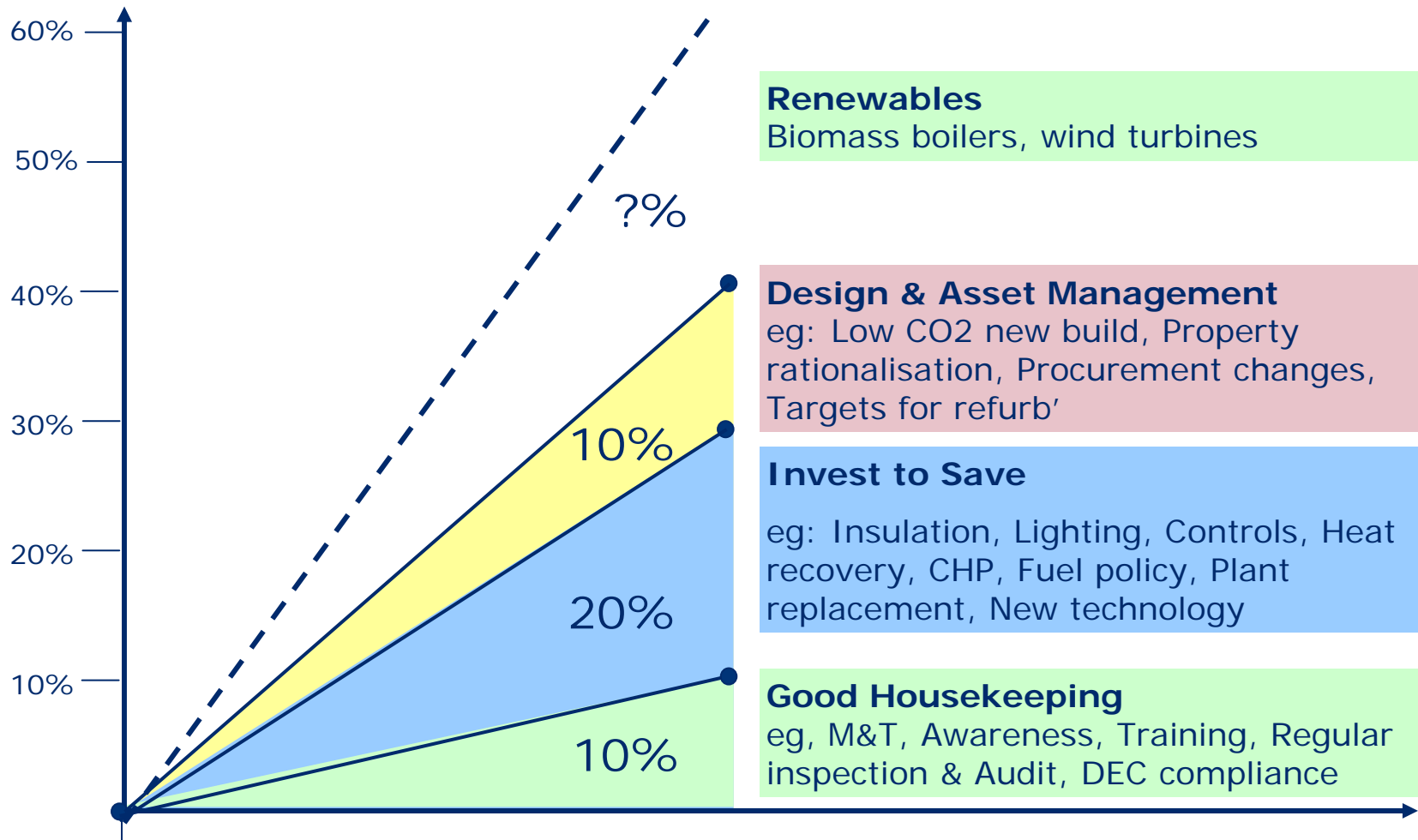
Inspiring targets...



➤ “As well as **‘getting our house in order’**, we will continue to provide wider leadership to local businesses, communities and households in reducing the overall carbon footprint of Oxford City.”




How can targets be met?



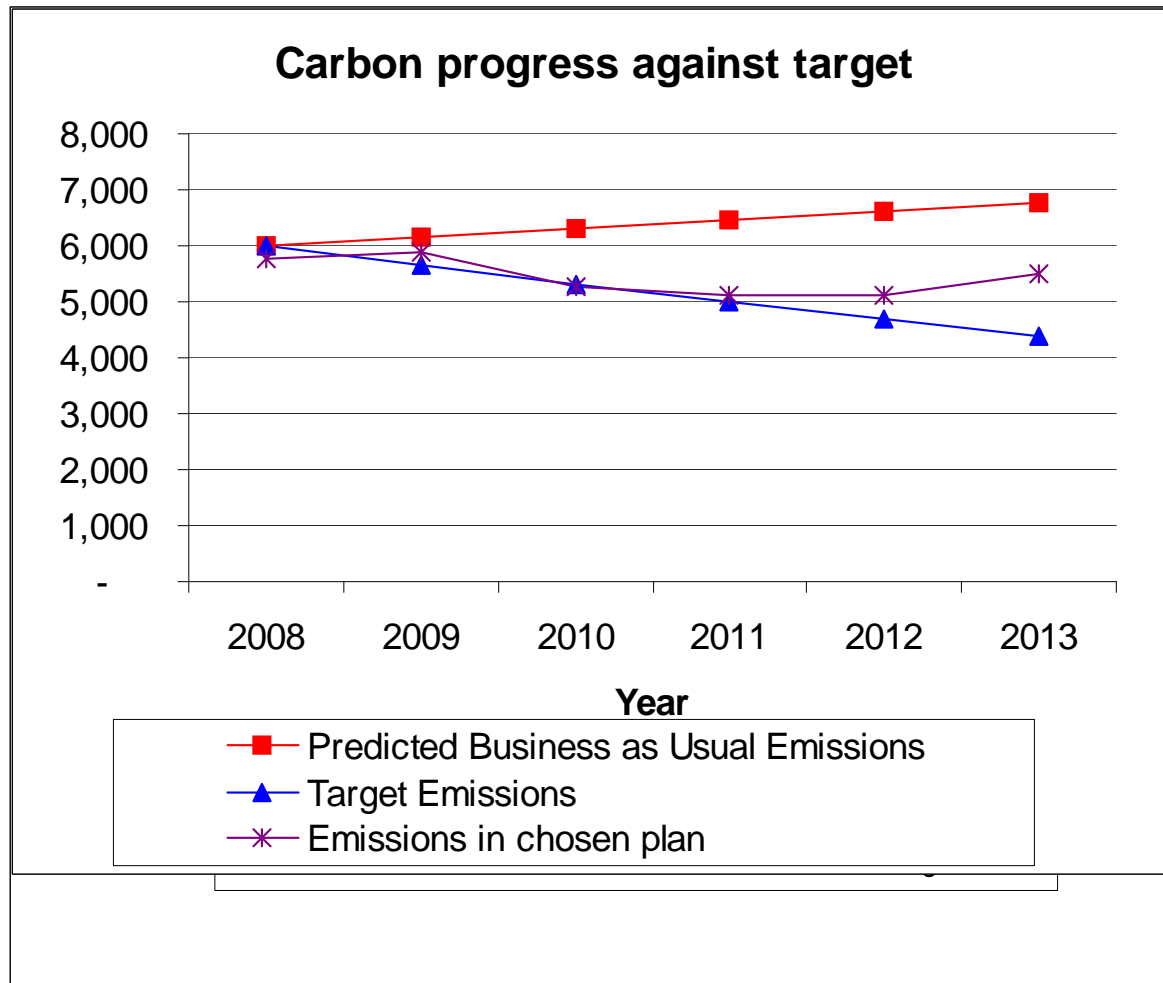
Top 10 Public Sector Projects

- 1.) Heating; controls, zoning & CHP
- 2.) Lighting & Streetlighting; upgrade & controls
- 3.) Voltage optimisation
- 4.) Server virtualisation / rationalisation
- 5.) Equipment rationalisation (inc printers)
- 6.) Variable speed drives
- 7.) Cavity & loft insulation
- 8.) Waste management & recycling
- 9.) Fleet management & alternative fuel cars
- 10.) Procurement policy; equipment & new build



Supported by behavioural change, awareness raising
and effectively metered switch off campaigns

Target & Predicted Trajectory

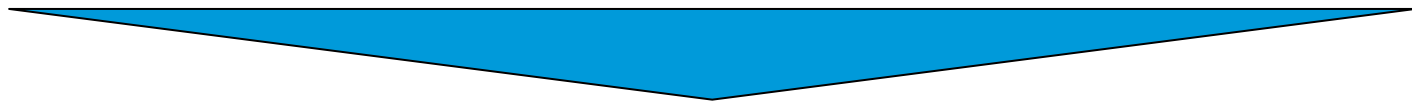


Progress to Date...



We have helped over 2,500 public sector bodies to identify savings of over

5 million tCO₂ p a



and £500 million p a



Over £50 million in public sector interest free energy efficiency loans available NOW!



- Salix currently supports revolving loan schemes across the public sector covering 50% of the project cost with savings funnelled into further projects

New monies made available in the April Budget...

- Loans for 100% of the project cost – *no match funding required*
- All public sector bodies eligible (inc schools)
- Loan agreements this financial year only
- Projects must implement within 9 months of the loan agreement
- Repayable over 4 years
- Eligible projects must payback over a maximum 5 year period and save at least £100 per tonne of CO2 over its lifetime
- First come first served!

What should public sector bodies be doing right now?



- Preparing for the CRC and NIs 185 & 186
 - Ensure adequate resources across the organisation
 - Establish data storage and analysis systems
 - Enable accurate forecasting to purchase allowances

- Identify and implement your carbon reduction projects
 - Join the Carbon Management Programme
 - Obtain a Carbon Survey or bespoke support
 - Contact the Carbon Trust www.carbontrust.co.uk

- Apply for Salix funding now for your eligible projects



Carbon Trust
0800 085 2005

Salix Finance
salixfinance.co.uk/loans