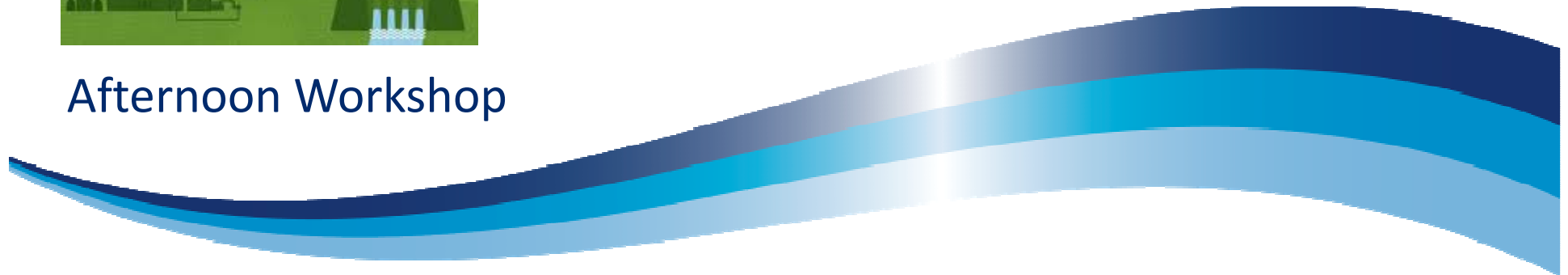




Energy Efficient Councils; *Carbon Management Refresh & Community Leadership*



Afternoon Workshop





What I'm going to cover



1. Refreshing your organisational Carbon Management Plan
2. Leading community-wide carbon reduction

Lead by example – get your own house in order



To lead credibly, councils must set up and implement a carbon management strategy across their own assets - buildings, street-lighting, transport, and staff:

- › Active senior governance
- › An organisation trained and engaged in cutting carbon
- › Carbon baseline, future projections and target
- › Identified, quantified and prioritised carbon reduction projects
- › Financial business case to secure funding
- › Five-year carbon management plan

The State of Carbon Management

- › Over 600 large public sector bodies have worked with the Carbon Trust to develop Carbon Management Plans
- › Including over 300 local authorities
- › Average Carbon Management carbon reduction target is 25% over 5 years
- › Identified local authority savings add up to 12m tCO₂ and £1.4bn

25%

**Average 5 year carbon
reduction target**



Public sector leadership on carbon reduction

Demonstrating the business case



Projects implemented to date

- ✓ Carbon saved over project life 17m tCO₂
- ✓ Cost savings over project life - £700m net
(total savings minus the project costs)
- ✓ Average payback period 5 years

Projects in the pipeline

- ✓ Identified carbon savings over project life >94m tCO₂
- ✓ Identified cost savings over project life - £2.8bn net
(total savings minus the project costs)
- ✓ Expected average payback period range ~2-15 years

Source: Carbon Trust data gathered across 3,000 Carbon Trust customers

Getting your house in order by *setting & exceeding carbon reduction targets*




- › Colchester Borough Council developed a Carbon Management Strategy in 2008
- › The Council **accomplished** their carbon reduction target **three years early**
- › By the end of 2012 they had reduced CO2 emissions by almost **2,500 tonnes**
- › The Council's annual energy bill is **£1.6m**, rather than **£2.5m** if no action had been taken
- › 2015 Carbon Management Plan commits to a **total emissions reduction of 40% by 2020**



Revisiting Carbon Management Plans

What's next? Top 5 key areas of focus.....

- 1.) Articulation of drivers for action to reflect **latest corporate priorities**
 - 2.) Overhauled **governance** to focus minds on overcoming barriers
 - 3.) More sophisticated approach to **financial allocation** strategies
 - 5.) **Broadening the scope** to a meet a heightened ambition
 - 4.) A **borough-wide** view on Carbon Management....
- 



What I'm going to cover



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2. Leading community-wide carbon reduction

But where do you start on engaging communities?

The first steps



1. Measure the **area footprint**

- › Map your area emissions so as to understand the potential

2. Prioritise **target sectors**

- › Don't try and take on the whole borough in phase one

3. Develop your **financial strategy**

- › A crucial part of the business case for action

4. Develop your **engagement strategy**

- › Base this on simple and realistic commitment from both you & stakeholders

5. Establish high persistence **governance**

- › Ensure that the governance, reporting and monitoring is fit for purpose





Measure the area footprint

Be a carbon smart community

Smart communities should define key performance metrics and consider the data needed to report against them.

Guidance on reporting carbon emissions and removals includes:

- › guidance from the International Standards Organisation (ISO)
- › the Climate Disclosure Standards Board, an international organisation that sets standards for the disclosure of carbon and climate information
- › the Centre for Sustainability Accounting - particularly relevant for reporting of scope 3 and procurement emissions
- › the integrated reporting council, an international body promoting reporting of non financial quantities concerned with organisational performance, including carbon and sustainability
- › The WRI/ WBCSD GHG Protocol – especially GPC <http://www.ghgprotocol.org/city-accounting>

Data can also be used to **improve area performance** – for example to better manage transport networks and building energy use



Target areas for action, and use council powers effectively

Councils have many powers – planning, finance, transport, procurement...

- › Citizen, school, business engagement – in both directions
- › Incentivise climate friendly development via the planning system:
 - › Walkable, higher density communities – Bath, not Stevenage!
 - › Plan for climate change impacts!
- › Develop **integrated** transport authorities and planning authorities
- › Procurement – lifecycle costing
- › Waste disposal



Leading the way on *local energy*



- › The LEP aims to become a **resource efficient city region** by developing low cost, local energy infrastructure
- › In 2014, extensive heat mapping identified over **90 potential district heat networks**
- › In 2015, a **benefits analysis** quantified benefits that heat networks can deliver in the region
- › **10 network opportunities** have been prioritised for further feasibility analysis
- › The **Energy Masterplanning & techno-economic feasibility** stage is currently underway



Accelerating *area-wide carbon reduction*



- › Increase in communities measuring area wide inventories, incl. our **GPC city level** inventories
- › Our methodology is aligned with the World Resources Institute & the World Bank
- › Low Carbon Cities Programme: working with **over 20 cities** but need more UK action
- › We do more than identify projects; we offer **support to overcome implementation barriers**
- › We also help to engage stakeholders including finance, schools, SMEs and landowners





Our mission is to accelerate
the move to a sustainable,
low carbon economy

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