

HAMPSHIRE COUNTY COUNCIL**Report**

Committee/Panel:	Buildings, Land and Procurement Panel
Date:	28 June 2016
Title:	Carbon Management Plan – Phase 2
Reference:	7571
Report From:	Director of Culture, Communities and Business Services

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1. Executive Summary

1.1. This report summarises the achievements of Phase 1 of the County Council's Carbon Management Plan and sets out proposals to achieve the target set by Cabinet in July 2010 for Phase 2 in relation to areas where the County Council has responsibility.

1.2. The Carbon Strategy set out targets for the short, medium and long term as follows:

Phase 1:	Short term 2010-2015	20% reduction (now achieved)
Phase 2:	Medium term 2015-2025	40% reduction (subject of this report)
Phase 3:	Long term 2025-2050	Carbon Neutral

2. Carbon Management Plan Phase 1

2.1. The first Phase of the Plan was successfully achieved in 2015 with the target of 20% exceeded – over 30,000 tonnes of carbon was saved delivering a total saving of 23% against the 2009/10 base year total consumption of 131,800 tonnes.

2.2. The first phase carbon savings were achieved through a combination of the following means:

- Reductions in the area of corporate estate, including the Workstyle Office Programme.
- Replacement of street lighting.
- Technical energy improvement programmes to the corporate estate and schools.
- Renewable energy installations, including Solar PV.

- Behaviour Change Programmes in schools and corporate offices.

3. Carbon Management Phase 2 Proposals

3.1. It is proposed to amend the scope of the Phase 2 to exclude the carbon emissions for schools. Schools now have significant autonomy and financial independence from the County Council. Council officers supported schools in their ambition to reduce energy consumption through Phase 1 of the Plan but it was clear that delivering further reductions in future phases was going to be limited due to:

- Pupil numbers (and therefore energy consumption) are rising and will continue to grow for the foreseeable future to at least 2025.
- The schools estate is increasing as a result of pupil growth, demographic change and new housing development.
- The County Council has no control over the consumption of energy by schools.

It should be noted that the County Council will continue to support schools and offer both consumption information and technical programmes for their use and consideration. Future technical programmes will be developed without the need for any Council funding with professional fees reimbursed through the financing of projects.

3.2. The Phase 2 scope will now include:

- Corporate buildings.
- Street lighting.
- Business travel.

The table below shows the emissions for these three categories at both 2010 and 2015 levels.

Sector	2010 Emissions Tonnes	2015 Emissions Tonnes	Reduction %
Corporate Buildings	21,000	19,060	9.2
Street Lighting	26,600	17,558	34.0
Officer Travel	6,600	4,889	25.9
Total	54,200	41,507	23.4

The 2010 level will be the baseline on which future targets will be based.

3.3. The target for 2025 is a 40% reduction from 2010 levels (54,200 tonnes) which would be 32,520 tonnes – a reduction of 21,680 tonnes. The First

Phase Plan delivered a saving of 12,693 tonnes by 2015, leaving a balance of 8,987 tonnes over the period 2015-2025.

3.4. The Phase 2 Carbon Management Plan has identified the following target areas for further reductions:

- Street Lighting: On-going efficiencies, including dimming – 5,200 tonnes.
- Corporate Buildings Energy Performance Programmes: LED lighting, controls, insulation and other improvements – 900 tonnes.
- Reduction in Corporate Estate: An assumed 10% reduction in floor area of the estate as a result of Transformation and Modernisation programmes – 2,000 tonnes.
- Other workstreams: Further behaviour change, renewable energy installations and other technical programmes yet to be identified – 887 tonnes.

3.5. The Director of CCBS has the corporate lead for all energy and Carbon Management initiatives. Expertise has been developed and resources established in Property Services to research, analyse and deliver programmes of work on a 'commercial' basis with no revenue funding from the Council. The Team continues to monitor technology innovations and market intelligence to ensure that the Council is at the forefront of this field.

It will also continue to offer its services to public sector Partners and customers outwith the County Council on a business footing which will make a modest contribution to overhead.

4. Other Energy Initiatives

4.1. Energy Management

The Property Team has recently taken responsibility for the procurement and management of utilities consumption as a result of the realignment of portfolios in the Department. The Council leads on the purchase of £27 million of utilities on behalf of Partners, including schools, Police, Fire and other public sector organisations. Further proactive monitoring of consumption using Smart Meter technology and the improved efficiency of billing mechanisms are a current focus for the Team.

4.2. Electrical Vehicle (EV) Charging

It is proposed to produce a business case for the installation of more Electrical Vehicle (EV) charging points across Council sites. The County Council currently owns ten points which were installed using grant funding. The current management contract is due to expire in March 2017 and it is timely to consider the extension of this network on a 'commercial' basis. Other public sector Partners have expressed an interest in EV points.

A feasibility study is underway investigating the viability of the provision of an additional 50 points at Council sites, including country parks, libraries, offices and schools. Initial indications that the income generated from the sale of

electric charging could have a Return On Investment (ROI) of around three years.

5. Future Reports

- 5.1. The Director of CCBS will continue to report annually in the Autumn on progress in relation to the Carbon Management Plan Phase 2 (the 'carbon year' is from July to July).
- 5.2. Buildings, Land and Procurement Panel will receive regular update reports on energy initiatives as and when progress merits it.

6. Recommendations

- 6.1. That the success of the Carbon Management Plan Phase 1 which exceeded the target of 20% by 2015 is noted by the Panel.
- 6.2. That the Phase 2 Carbon Management Plan proposals to reduce the carbon emissions of the County Council's areas of responsibility by 40% from 2010 levels by 2025 is supported by the Panel.

CORPORATE OR LEGAL INFORMATION:**Links to the Corporate Strategy**

Hampshire safer and more secure for all:	No
Corporate Improvement plan link number (if appropriate):	
Maximising well-being:	No
Corporate Improvement plan link number (if appropriate):	
Enhancing our quality of place:	No
Corporate Improvement plan link number (if appropriate):	

Other Significant Links

Links to previous Member decisions:		
<u>Title</u>	<u>Reference</u>	<u>Date</u>
Carbon Strategy	1152	26.07.2010
Energy and Carbon Management Activities Update	6519	12.10.2015
Direct links to specific legislation or Government Directives		
<u>Title</u>	<u>Date</u>	

Section 100 D - Local Government Act 1972 - background documents

The following documents discuss facts or matters on which this report, or an important part of it, is based and have been relied upon to a material extent in the preparation of this report. (NB: the list excludes published works and any documents which disclose exempt or confidential information as defined in the Act.)

<u>Document</u>	<u>Location</u>
None	

IMPACT ASSESSMENTS:

1. Equality Duty

- 1.1. The County Council has a duty under Section 149 of the Equality Act 2010 ('the Act') to have due regard in the exercise of its functions to the need to:
- Eliminate discrimination, harassment and victimisation and any other conduct prohibited under the Act;
 - Advance equality of opportunity between persons who share a relevant protected characteristic (age, disability, gender reassignment, pregnancy and maternity, race, religion or belief, gender and sexual orientation) and those who do not share it;
 - Foster good relations between persons who share a relevant protected characteristic and persons who do not share it.

Due regard in this context involves having due regard in particular to:

- a) The need to remove or minimise disadvantages suffered by persons sharing a relevant characteristic connected to that characteristic;
- b) Take steps to meet the needs of persons sharing a relevant protected characteristic different from the needs of persons who do not share it;
- c) Encourage persons sharing a relevant protected characteristic to participate in public life or in any other activity which participation by such persons is disproportionately low.

1.2. Equalities Impact Assessment:

This report intends to provide Members with an update on the Energy and Carbon Management activities and, as such, an Equalities Impact Assessment has not been considered necessary in the development of the report.

2. Impact on Crime and Disorder:

- 2.1. The County Council has a legal obligation under Section 17 of the Crime and Disorder Act 1998 to consider the impact of all decisions it makes on the prevention of crime. The proposals in this report have no impact on the prevention of crime.

3. Climate Change:

- 3.1 The Energy Strategy and Carbon Management Plan will have significant positive effect on the carbon emissions of the County Council. Climate change impacts are a driver in implementing reduction programmes.