

Environment & Transport

Select Committee

Carbon Reduction Programme – Update

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Contents

- Carbon Strategy approved by Cabinet, July 2010
- Headlines of the Carbon Management Plan
- Progress on Carbon Reduction Initiatives
- Progress towards achieving 10:10 outcome
- Progress on the Behavioural Change Programme
- Engagement with schools
- Policy initiatives from the Coalition Government

Reduction Targets Approved by Cabinet

- 20% in the period 2010 – 2015
- 35% - 40% by 2025
- Becoming Carbon Neutral by 2050

Creation of an Energy Strategy for the County Council

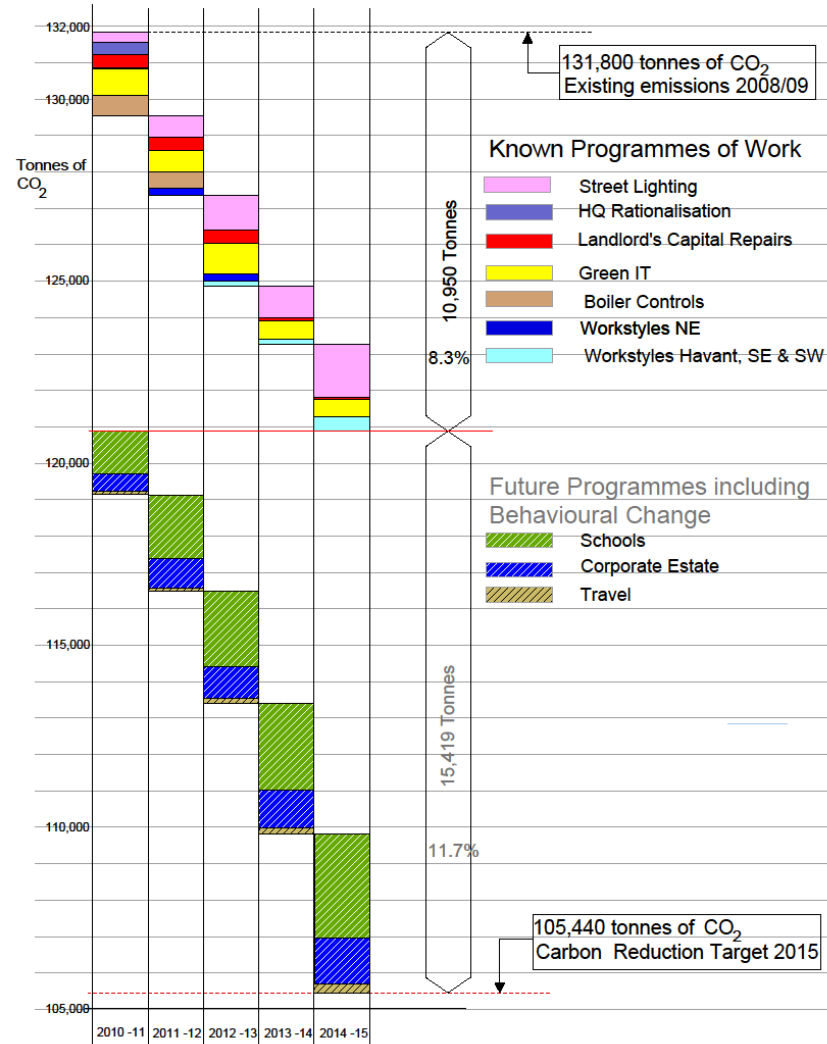
- Planned future energy requirements
- Future energy sources and options
- Approach to renewable technologies: What is best for HCC?
- Optimum renewable energy balance
- Impact of rising prices and creation of a risk matrix
- Potential for energy generation and energy sales

Carbon Management Plan (2010-2015)

Hampshire County Council Carbon Management Plan

Table of Target Savings : 2010 - 2015

Appendix 1



Corporate Estate – 7,000 Tonnes

- Workstyle Programme
- Elizabeth II Court monitoring: One year on
- Havant and Eastleigh being implemented
- Second stage HQ rationalisation (further reduction of 4,000m²)

Corporate Estate – Boiler Emission Control Programme

- Delivers the requirements for 10:10 Initiative
- How they work
- Saves 10% of energy for heating (and some hot water installations)
- Funded by a Salix (Carbon Trust) loan
- Pays back in under three years
- 800 tonnes of carbon reduction per annum
- Procured and delivered by October 2010 (in time for the 2010-2011 heating season)

Corporate Estate – Green IT Initiatives

- New Data Centre:
 - Increased efficiency of 40%
 - 700 tonnes CO2 reduction: £85,000 energy cost reductions at current prices
- On-going programme of conversion to low energy desktop devices (90% to date):
 - 800,000 kwh energy savings
 - 60% less carbon in manufacture and a longer life than PCs
- Links to Schools Reduction Programme later in the presentation

Landlord Repair and Maintenance Programmes

- Insulation improvement programmes
- Lighting upgrade and replacement
- Boiler replacements, including control systems

Street Lighting – 4,000 Tonnes

- Long-term PFI contract
- 15% carbon reduction target built into contract
- Initial trials of new lighting systems including dimming being undertaken

Behaviour Change Programmes

- Corporate Estate: Mottisfont Court Pilot
 - Carbon Trust say savings of 5% – 12% possible
 - Pilot Study has confirmed that up to 12% is achievable
 - 16 week Pilot Study: 12.5% reduction
 - 23% reduction in consumption controlled by staff
 - 30% of total building's electrical use
 - Delivered using accurate data (Smart Meters), Energy Champions and a co-ordinated communications campaign

Behaviour Change Programmes (contd)

- Corporate Estate: Next Steps
 - Communicate the positive outcomes of the Pilot
 - Integrate the learning into the Workstyle Programme
 - Roll-out across Winchester HQ buildings (where relevant)

Schools Carbon Reduction Initiatives

Target 9,000 Tonnes

- Building Schools for the Future Programme stopped (although Havant Academy will now go ahead)
- Smart Meters – on programme for completion in 2010-2011
- Web based toolkit nearing completion

Schools Carbon Reduction

- Communication Programme:
 - Dedicated Energy Matters this Autumn
 - Schools Carbon Management Group
 - Presentations at Admin Officers Conference attended by all 550 schools
- Energy Saving Pilot at a dozen schools
- Westgate Secondary School Green IT Pilot
- Business Case being developed for technology initiatives that have short pay-back periods

Schools Carbon Reduction Initiatives – Target 9,000 Tonnes (contd)

Policy Initiatives from Coalition Government

- Indications of new Policy and new initiatives since June 2010
- Waiting to find out details in the next few months: Green Deal, Green Bank etc.
- Hopeful that there will be loan arrangements like Salix in the future
- Law will change to allow local authorities to sell energy to the Grid: Major potential for renewable technologies like photovoltaic cells
- Introduction of more attractive Feed-In Tariffs in April



Summary of Future Steps

- Solid foundation with plan produced
- Good progress on a range of pilots to inform future investment
- Large scale initiatives like Photovoltaics and District Heating proactively explored
- Complete the Energy Strategy
- On-going leadership and support of partnership with public sector bodies in Hampshire
- Behavioural Change Programme (in particular schools) roll-out
- Annual monitoring of achievements each summer

Questions and Comments