

CARBON MANAGEMENT PLAN 2020 AND ENVIRONMENTAL PERFORMANCE 2013-2014

Executive summary

1. This paper provides an overview of the Parliament's environmental performance during 2013-14 and sets out the environmental targets for 2014-15. It also outlines the key elements of the environmental action plan for this year which will ensure that the SPCB remains on course to achieve its ambitious 2020 carbon emission reduction target.

Environmental Performance

2. We continue to improve the environmental performance of the building and organisation by reducing carbon emissions and electricity, gas and water consumption.
3. We have also retained certification to ISO 14001:2004 for its environmental management system and to the Certified Emissions Management and Reduction Scheme (CEMARS) for its carbon management plan and carbon footprint calculations.
4. Provisional figures indicated that carbon emissions have been reduced by 30% from the baseline year of 2005-06 and we have reduced emissions by over 8% compared to 2012-2013. Figures will be finalised following an external audit due in the summer.
5. Carbon emissions have been reduced predominantly by improving the efficiency of the building. Electricity, which accounts for over 70% of Parliament's carbon footprint, has been reduced by over 30% on the baseline year and by 6% compared to last year.
6. Gas use was down in 2013-2014 by 34% compared to the baseline year. Around half of the reduction achieved was due to a mild winter and the remainder due to improved building management.
7. In the areas of waste and water, the targets for the year were not quite achieved. The Environmental Management Steering Group has identified options to ensure that in future these targets are achieved. An ambitious landfill reduction target has been set for 2014-2015 which will require all building users including members to recycle and to reduce waste wherever possible if it is to be achieved. However, it should be noted that recycling rates remain over 80% and the total quantity of waste generated (recycling and general waste) during the year reduced on the previous year.
8. Performance improvements have led to significant cost reductions. The reduction in electricity has realised a saving of over £210,000 with costs down from 2012-2013 by £27,000. In addition, as a result of the

reductions we have achieved, the Parliament will no longer be required to participate in the carbon reduction commitment scheme saving over £45,000 in 2014-15.

9. The provisional details of our performance improvements are as follows:

Table 1: Environmental Performance 2013-2014

Targets	2013/14	
	Target	Results
Carbon Emissions Reduce carbon emission from the 2005/2006 total by:	28%	30%
Electricity Reduce electricity consumption from the 2005/2006 total by:	28%	30%
Gas Reduce gas consumption from the 2005/2006 total by:	9%	34%
Water Reduce water consumption from the 2011/2012 total by:	10.5%	9%
Waste Reduce landfill waste from the 2005/2006 total by:	70%	68%
Paper Reduce total paper consumption by: <ul style="list-style-type: none"> 35% from the Session 2 total during Session 4 (2011-2016). (Result - session average reduction 46%) 		39%

Environmental Targets 2014-15

10. The targets agreed by the Environmental Steering Group for 2014-15 are detailed in table 2. These will ensure that we remain on course to achieve the 2020 targets.

Table 2: Environmental Targets 2014-2015

Targets	2014/15		2019/20	
	Original	Proposed	Original	Proposed
Carbon Emissions Reduce carbon emission from the 2005/06 total by:	30%	32%	42%	No change
Electricity Reduce electricity consumption from the 2005/06 total by:	30%	32%	40%	No change
Gas Reduce gas consumption from the 2005/06 total by:	10%	15%	14%	15%
Water Reduce water consumption from the 2011/12 total by:	11%	11%	14%	No change
Waste Reduce landfill waste from the 2005/06 total by:	72%	72%	90%	90%
Paper Reduce total paper consumption by: 35% from the Session 2 total during Session 4 (2011-16).			TBC	TBC

Environmental Action Plan 2014-15

11. A range of projects will be implemented during the year to ensure the targets are achieved. In addition, the following potentially significant projects are currently being researched for delivery during 2014-15.

- Voltage Optimisation
- LED lighting – Chamber, Main Hall and exhibition display lighting
- Modified heating source for the ventilation serving the Security Control room.

Resource Implications

12. The budget for the carbon management plan for the year has been set at £70,000 with an additional budget of £250,000 for voltage optimisation.

Governance issues

13. Any projects or actions proposed as part of the Environmental Action Plan will be assessed on a case by case basis for any equalities and health and safety implications.

Publication Scheme

14. This paper will be published in line with the SPCB's Publications Scheme.

Decision

15. SPCB is invited to note the significant progress made towards our 2020 carbon reduction targets and to note the environmental performance targets for 2014-15

**Facilities Management
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