

For Information	
Public/Non Public*	Public
Report to:	Strategic Resources and Performance Meeting
Date of Meeting:	16th March 2017
Report of:	Tim Wendels, Head of Estates & Facilities Management
Report Author:	David Heason, Estates Manager
E-mail:	david.heason@nottinghamshire.pnn.police.uk
Other Contacts:	
Agenda Item:	05

*If Non Public, please state under which category number from the guidance in the space provided.

Environmental Management Performance

1. Purpose of the Report

- 1.1 To provide an update on the Force's environmental strategy, carbon management plan, waste recycling figures and current environmental initiatives.

2. Recommendations

- 2.1 To note the Report.

3. Reasons for Recommendations

- 3.1 To ensure that the OPCC is aware of the Force's current environmental management initiatives and performance.

4. Summary of Key Points (this should include background information and options appraisal if applicable)

Environmental Management Strategy

- 4.1 The Force's current Environmental Management Strategy was developed in 2014. The Strategy aims to ensure that environmental management is embedded into our strategic and business planning and to provide high level protection to the environment and should be reviewed every three years.
- 4.2 The Environmental Assistant post was vacated in May 2015 and due to the recruitment freeze, it wasn't possible to fill this post. Part of the work of the Environmental Assistant was distributed amongst the remaining staff in the Estates and Facilities team on a temporary basis, but following further staff reductions in 2016, this post is no longer part of the establishment. We now rely on staff within Health & Safety and Estates and Facilities Teams to manage environmental matters as part of their wider role. The Environmental Assistant's role also included carbon management, but without this post in the department, the work of developing new projects and initiatives, is being done in a limited way by the remaining team members. Later in the report there is a

list of the achievements, and a list of projects that are being implemented or are in the planning stage.

Carbon Management Plan

- 4.3 In 2011, the Force developed a Carbon Management Plan which set out a target for a net reduction in its carbon emissions of 30% and the Plan also sets out projects and proposals to meet that target.
- 4.4 The Plan has been reviewed to cover the period up to the end of financial year 2015/16 and includes all the energy reductions that we have made through projects and new initiatives that have been developed, along with the reducing number of buildings in the Estate.

The table below shows that carbon emissions have reduced by 26% which is progressing towards the target reduction of 30% and with the on-going projects and Estate rationalisation; this is expected to be achieved in 12 months' time.

	2010/11	2015/16	
	Tonnes of Carbon	Tonnes of Carbon	CO2Reduction
Buildings	8,577	6,027	30%
Fuel	2,983	2,548	15%
Total (Carbon)	11,560	8,575	26%

- 4.5 The following gives a description of the projects that have been carried out by the Estates department to reduce energy consumption.
- i We currently have 9 sites where we have installed PV panels, which are generating electricity, these are, Mansfield; Newark; Oxclose Lane; St Anns; West Bridgford; Arrow Centre; Sherwood Lodge; Tom Ball Hall and Riverside. In addition to receiving solar generated electricity, we have received renewable heat incentive (RHI) income from our energy supplier.
 - ii At Sherwood Lodge, as part of the major refurbishment in 2010 to 2012, we installed double glazing, roof insulation and LED lighting to many parts of the site.
 - iii At Ollerton Police station in 2014, we installed a biomass boiler, double glazing, loft insulation and LED lighting with automatic controls.
 - iv At Broxtowe Police station in 2015 we installed double glazing, loft insulation and LED lighting with automatic controls.
 - v At Sherwood Lodge in 2015 we have built two biomass boiler houses and are now providing renewable heating to 90% of the buildings on the site and in addition we receiving RHI payments.

- vi We have continued to replace older lighting with LED lighting whenever we have carried out major improvements to the estate. In particular we have installed LED lighting to our three custody suites, both in the cells and the circulation areas. At Sherwood Lodge, in the main building, part of the first floor and the majority of the 2nd floor have been fitted with LED lighting and automatic lighting controls.
- vii In 2016 and 2017 the external lighting at Headquarters has been replaced with new LED external light fittings.
- viii At Oxclose Lane the ground floor alterations will be completed in April 2017 and will include new LED lighting to one floor.
- ix In 2017/18 we plan to carry out a refurbishment of the middle floor at West Bridgford, which will include new LED light fittings.
- x The Estate rationalisation programme has also meant that we have reduced our energy usage and carbon emissions over several years by moving out of buildings, and either not replacing them, which has saved the full amount of energy/carbon, or when buildings have been replaced with smaller buildings we have lowered the energy consumption.

Locations where we have moved to a smaller building:-

Beeston
 Bingham
 Carlton in Lindrick
 East Leake
 Harworth
 Keyworth
 Kimberley
 Kirkby
 Ruddington
 Stapleford
 Warsop
 Wollaton

Locations where we have closed buildings and not replaced them:-

Bilsthorpe
 Blidworth
 Calverton
 Ravenshead

- xi The Estate rationalisation programme will continue to deliver further carbon savings when buildings that have been vacated in the past 12 months enter the next set of figures, such as Central, Retford, Canning Circus, Meadows, Sneinton and Sutton in Ashfield.
 There will also be further savings in future years when Eastwood, Carlton, Arnold, Worksop and Hucknall close and we move to smaller buildings, which will deliver more reductions in the Force's energy usage and carbon footprint.

- xii We are beginning to develop a project to replace boilers and building management systems that control the heating in our larger buildings. The following list of buildings are included in this project, because they are typically 20-25 years old and have heating systems that are considered inefficient for today's standards and in most cases are near, or at the end of their life. This project is expected to start in our buildings in the spring of 2018 and it is expected that this will further improve our energy conservation.

West Bridgford
Radford Rd
Oxclose Lane
Mansfield
Phoenix House
Arrow Centre
Newark (Building Management replacement only)
Headquarters (Building Management replacement only)

Waste recycling figures

- 4.6 The Force has a target to recycle 85% of its general waste and the waste company recycles 88% of our waste.

Fuel consumption figures

- 4.7 The Force continues to reduce its carbon emissions from its vehicles, with better engine efficiency and lower car use, which has contributed to the overall reduction in carbon emissions.

5 Financial Implications and Budget Provision

- 5.1 The capital programme contains budgets to implement the changes as required by the Estate rationalisation programme and the other schemes that will continue to deliver lower energy consumptions.
- 5.2 In the past, there was a general energy reduction fund for "spend to save" initiatives, but at the present the energy reduction schemes are either part of larger projects or are funded on a project by project basis through specific requests for capital funds.

6 Human Resources Implications

- 6.1 None.

7 Equality Implications

- 7.1 None.

8 Risk Management

8.1 N/A

9 Policy Implications and links to the Police and Crime Plan Priorities
--

9.1 There is a link to the PCC's Corporate Social Responsibility agenda.

10 Changes in Legislation or other Legal Considerations
--

10.1 None.

11 Details of outcome of consultation
--

11.1 None.

12 Appendices

12.1 N/A

13 Background Papers (relevant for Police and Crime Panel Only)
--

13. N/A