

For Information	
Public/Non Public	Public
Report to:	Strategic Resources and Performance Meeting
Date of Meeting:	29th March, 2018
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Agenda Item:	6

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 It is recommended that the Police and Crime Commissioner notes 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

Estates Strategy

- 4.1 A new Estates Strategy was developed in 2017 with a vision to create an efficient, fit for purpose and sustainable estate that delivers value for money. The Strategy also aims to support the delivery of the Police and Crime Plan and complement other plans and strategies such as the Environmental Strategy and Carbon Management Plan.

Environmental Management Strategy

- 4.2 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 is due to be reviewed within the next 12 months. It is proposed to seek assistance with this review from outside the organisation as we no longer have an Environmental Assistant post in-house.
- 4.3 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 team, but following further staff reductions in 2016, we now rely on Health & Safety and Facilities Teams to manage environmental matters. 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

- 4.4 In 2011, the Force developed a Carbon Management Plan which set out an ambitious target for a net reduction in its carbon emissions of 30% and the Plan also sets out projects and proposals to help meet that target.
- 4.5 Progress towards the target has been reviewed to cover the period up to the end of financial year 2016/17 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 25% which and is nearing our target reduction of 30% and with the on-going projects and estate rationalisation proposals, we aim to reach our target over the next two years.

	2010/11	2016/17	
	Tonnes of Carbon	Tonnes of Carbon	CO2Reduction
Buildings	8,577	6,805	21%
Fuel	2,983	1,925	26%
Total (Carbon)	11,560	8,730	25%

- 4.6 The following gives a description of the projects that have been carried out by the Estates department to reduce energy consumption since the Carbon Management Plan was developed.
- i We currently have nine 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 are 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 we undertook alterations on the ground floor in April 2017 that included new LED lighting and this will reduce our consumption, which will show in next year's figures.
- ix Last year we reported that we intended to refurbish the middle floor at West Bridgford, which would have included new LED light fittings, but the Force has decided that the refurbishment is not essential at the current time and has put the work on hold for the time being.
- x The estate rationalisation programme has had a significant effect on reducing 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 buildings have been replaced with smaller buildings with lower energy consumption.

Locations where we have moved to a smaller building in 2016/17:-

Central and Canning Circus – we have moved to Byron House.

Retford - we have moved to Bassetlaw District Council premises at 17b The Square.

Meadows - we have moved to the Meadows Children's Centre.

Sneinton - we have contracted to the first floor of the former Police Station, which is now Sneinton Library.

Sutton in Ashfield - we have moved to Ashfield District Council Offices in Kirkby (currently have both sites).

Mansfield Woodhouse - we have moved to Mansfield Civic Centre (currently have both sites).

Locations where we have closed buildings and not replaced them in 2016/17:-

In 2016/17 there weren't any buildings closed and not replaced.

- xi The Estate rationalisation programme will continue to deliver further carbon savings when buildings that have been vacated over the past 12 months enter next year's set of figures, such as Eastwood, Carlton and Arnold.

There will also be further savings in future years when we move out of Worksop, Holmes House and Hucknall and move to smaller buildings, which will deliver more reductions in the Force's energy usage and carbon footprint.

- xii There is currently a project about to start in the spring of 2018 to replace boilers and building management systems, which 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 gas and oil heating systems that are considered inefficient by today's standards and in most cases are near, or at the end of their life. This project is expected to be completed in our buildings in the autumn of 2018 and it is expected that this will further improve our energy consumption.

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

- xiii The Force is planning two major new build projects in future years, a replacement Custody suite and a new Control Room building that will increase the floor space at Force Headquarters, so both of these buildings will have an effect on future consumption.

Waste recycling figures

- 4.7 97% of our waste is diverted into alternative uses, part of our waste is separated on site for recycling and the rest of our waste is also separated by the contractor collecting our waste and recycled in several ways, so that very little waste goes to landfill.

Some of the general waste that cannot be recycled is sent to a facility that turns waste into a fuel, which is then sent to the Ferrybridge power plant or the district heating system in Sheffield for energy generation and any residue energy produced through incineration is sent back in to the National Grid.

Any "bottom ash" as a result of this process is sent for re-use as filler in road aggregate.

Fuel consumption figures

- 4.8 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 There are no Human Resource implications arising from this report.

7. Equality Implications

- 7.1 There are no equality implications arising from this report.

8. Risk Management

- 8.1 None.

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

- 9.1 There is a link in this areas of business 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 None