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| For Information | |
| Public/Non Public | Public |
| Report to: | Strategic Resources and Performance Meeting |
| Date of Meeting: | 4th September, 2019 |
| Report of: | Tim Wendels, Head of Estates and Facilities Management |
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| Agenda Item: | 10 |

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 is due to be reviewed. It is proposed to seek assistance with this review from outside the organisation as we no longer have an Environmental Assistant post in house.
- 4.2 The Environmental Assistant post was removed in 2016 and some of their work was distributed amongst the remaining staff in the Estates and Facilities Team and the Health & Safety Team. The Environmental Assistant's role also included carbon management, but without this post in the department, the work of developing new projects and initiatives has been done in a more 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 2018/19 and includes all the energy reductions that have been made through projects and new initiatives that have been developed, along with the reducing number of buildings in the Estate.
- 4.5 The table below shows that the carbon emissions have reduced by 38% since 2010/11, which shows we have successfully met and exceeded our original target of a 30% reduction. The Estate rationalisation will continue to reduce our emissions slightly over the next two years, but emissions may then increase slightly when the new build for the joint HQ with Nottinghamshire Fire and Rescue Service is completed as this will increase the floorspace of the estate. We will continue to monitor carbon emissions and will reassess the baseline and set further targets once the new joint HQ has been completed and a clearer picture emerges for the future.

| | 2010/11 | 2018/19 | |
|----------------|------------------|------------------|--------------|
| | Tonnes of Carbon | Tonnes of Carbon | CO2Reduction |
| Buildings | 8,577 | 5,123 | 40% |
| Fuel | 2,983 | 2,058 | 31% |
| Total (Carbon) | 11,560 | 7,181 | 38% |

SPEND TO SAVE

- 4.6 The following gives a description of the projects that have been carried out by the Estates and Facilities department to reduce energy consumption over the past 7 years:-
- i 9 sites have PV panels installed.
 - ii Sherwood Lodge was fitted with double glazing, roof insulation and LED lighting to many parts of the site.
 - iii Ollerton Police station, was fitted with a biomass boiler, double glazing, loft insulation and LED lighting with automatic controls.
 - iv Broxtowe Police station was fitted with double glazing, loft insulation and LED lighting with automatic controls.
 - v Sherwood Lodge has had two biomass boiler houses built to reduce the oil consumption.
 - vi LED lighting has been used whenever we have carried out major improvements to the estate.

- vii The Force has installed new boilers and Building Management Systems (BMS) to regulate the heating and be more efficient at seven sites. The following list of buildings were included in this project, because they were typically 20-25 years old, and have gas and oil heating systems that are considered inefficient by today's standards and in most cases were near, or at the end of their life. This project was completed in the autumn of 2018 and will continue to provide us with efficient heating and minimise our energy consumption over many years.

Arrow Centre
Mansfield
Oxclose Lane
Phoenix House
Radford Rd
Sherwood Lodge
West Bridgford

ESTATES RATIONALISATION AND MAJOR CHANGES

- 4.7 The Estate rationalisation programme has had a significant effect on reducing our energy usage and carbon emissions over several years. We have moved out of several buildings and either not replaced them, which has saved the full amount of energy/carbon, or teams have relocated to smaller buildings with lower energy consumption for the Force. Further details of the estates rationalisation programme and future proposals are contained in a separate report elsewhere on the agenda for this meeting.
- 4.8 The Force is planning two major new build projects in the next two years, these include a new Custody suite and a new HQ building. The new HQ building will increase the floor space, so this will have an effect on our future consumption.

WASTE RECYCLING FIGURES

- 4.9 The waste contractor currently recycles or diverts to alternative uses approximately 97% of the waste we create. Part of our waste is separated on Police sites and is sent straight for recycling. While the rest of our waste is taken and separated by the waste contractor, who recycles it in several ways, including energy recovery, so that very little waste goes to landfill.

VEHICLE FUEL CONSUMPTION

- 4.10 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 None