shentongroup Environmental Objectives & Targets

shent**group** is implementing an Environmental Management System (EMS) to provide structure for the management and mitigation of our environmental impact. Through the EMS we have conducted an environmental review to identify our environmental aspects, the impacts they may have, and the significance of those impacts. Our EMS provides the structure within which we can set objectives and targets to mitigate those impacts. The environmental review and objectives and targets inform the shenton**group** environmental policy, as well as the strategies, standards and procedures which stem from it.

The baseline review looked at the shenton**group**'s activities in the following key areas

1. **Environmental Management**
2. **Policy**
3. **Waste Management**
4. **Energy & Water**
5. **Construction and Refurbishment**
6. **Transport**
7. **Sustainable Procurement**
8. **Community**
9. **Health, Welfare & Safety**

The baseline review identified **7** significant environmental aspects. All aspects have been assigned a significance rating after analysis through a risk-based matrix. Each aspect has a significance rating for its potential impacts under normal, abnormal and emergency circumstances. Negative aspects are then classed as high, medium or low risk depending on their significance rating. Further detail on this process can be found in the EMS manual.

All significant aspects require objectives and targets to be set against them in order to manage and mitigate their negative environmental effects. For the purpose of setting objectives and targets, the shenton**group's 7** significant aspects are sorted into the following **7** focus areas

1. **A Use of Gas & Electricity**
2. **Waste**
3. **Transport**
4. **Construction, Refurbishment & Maintenance of our Projects and Sites**
5. **Purchase of Non-Sustainable Goods & Services**
6. **Water Consumption**
7. **Noise Pollution**

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1. Use of Gas & Electricity

Key Objective

To reduce the shenton**group**'s carbon footprint, focusing in particular on the reduction in use of gas and electricity from the national grid.

Supporting Objectives

1. To embed carbon management in all our activities and ensure that the challenge is shared and promoted at both a strategic and individual level across shenton**group**.

2. To implement an annual programme of carbon reduction projects in order to meet reduction targets for scope 1 and 2 emissions.

Targets

1. To develop a business case to assist in securing funding to support the implementation of carbon reduction projects (ongoing)
2. To report the progress against carbon management objectives and targets on an annual basis to the relevant committee(s) (Oct 2017)
3. To reduce carbon emissions by 43% by 2020 (2020)
4. Annually reduce emissions by (To be worked out) tonnes year on year (ongoing)

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative environmental aspects, they are:

1. Reducing the use of gas
2. Reducing the use of electricity
3. Environmental awareness raising
4. Environmental research and training

2. Waste

Key Objective

To ensure that, in accordance with legislation, waste will be managed in a sustainable manner following the waste hierarchy of Prevention, Reuse, Recycling, Energy Recovery and Disposal, to ensure the reduction in waste sent to landfill and in the carbon emissions of land filling.

Supporting Objectives

1. To reduce the amount of waste.

2. To ensure waste is managed in accordance with current legislation.

3. To ensure all waste collected or stored on site adheres to best environmental practice and is clearly labelled.

Targets

1. Undertake an annual review of legislation and communicate changes to the relevant staff with waste management responsibilities (on-going)
2. To establish a reliable baseline for total waste data (Jan15 23%- May 17 46%)
3. Reduce waste production by 5% baseline (2017)
4. Maintain a minimum recycling rate of 60% (on-going)
5. Achieve 55% recycling (2017)
6. Reduce proportion of waste sent to landfill to under 10% (2017)
7. Maintain a minimum energy from waste rate of 15% (on-going)
8. Reduce proportion of waste sent to landfill to under 10% (2017)
9. Increase on site recycling year on year with a target of 10% (2017)
10. Increase recycling by offsite engineers to 15% (2017)
11. Reduce food waste by 5% year on year until (2017)
12. Implement a waste / resource management standard (Business Management Tool Kit)
13. Introduce waste training resources for all staff
14. Undertake an annual audit of all departments with significant waste outputs (on-going)
15. Improve the labelling of waste across all sites
16. Develop a centralised waste and recycling facility in SAP

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative environmental aspects, they are:

1. Managing waste
2. Increasing recycling Environmental
3. awareness raising Environmental
4. research and training

3. Transport Parking

Key Objective

To reduce the use of fossil fuels for personal and business travel in order to decrease the carbon impact of these as part of the transport management strategy.

Supporting Objectives

1. To reduce the environmental impact of staff and business partner travel to/from/on behalf of the shenton**group**.
2. To provide an alternative to single-occupancy vehicle use for as many staff and business partners as possible.
3. To ensure that any restrictions place on travelling onto the shenton**group** site by car are matched with action to support travel by other modes.
4. To promote active travel as a means of travelling to and across sites.
5. To minimise overspill parking and local traffic congestion related to staff and business partner travel.

Targets

(All travel targets due by 2017)
1. Reduce the proportion of staff driving alone as their main mode of travel.
2. Increase the proportion of staff walking or cycling as their main mode of travel
3. Increase the proportion of staff who are usual walkers
4. Increase the proportion of staff who are usual cyclists
5. Increase the number of showers available to staff
6. Increase the proportion of staff who are 'sometimes' public transport users
7. Increase the proportion of staff car sharing as their main mode of travel from work.
8. Reduce the proportion of staff driving alone as their main mode of business travel
9. Develop a Home Working Policy to aid a reduction in staff travel onto campus
10. Increase the proportion of staff walking or cycling as their main mode of business travel
11. Work towards the Green Fleet Strategy target of moving 50% of the Engineer vehicle fleet over to low-carbon vehicles, whilst improving fuel efficiency for other vehicles.
12. Introduce pool vehicles for staff use on business travel

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative environmental aspects, they are:

1. Travel reduction initiatives
2. Environmental awareness raising
3. Environmental research and training

4. Construction, Refurbishment & Maintenance of our Projects and Sites

Key Objective

To reduce the impact of construction, refurbishment and maintenance of our products and sites by assessment of the environmental impact and risk.

Supporting Objectives

1. To work alongside and communicate with all stakeholders at design stage of any project.
2. To use best practice for sustainable design, construction and post occupancy, incorporating new technologies at the design stage.
3. Embed whole life costing and responsible sourcing practices in the procurement of all new build and refurbishment projects.
4. To protect and enhance the biodiversity of our sites in line with the recommendations of the Environmental Agency Guidelines on biodiversity.

Targets

(All construction targets due by 2017)
1. Produce sustainable design briefs for all new projects and service contracts
2. Ensure that any future project specifications consider economic, social and environmental issues and set targets for KPIs such as energy, water, waste etc
3. To not lower the specification of environmental initiatives due to cost conflict.

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative environmental aspects, they are:

1. Environmental Awareness Raising
2. Environmental Research and Training
3. Promotion and protection of biodiversity

5. Purchase of Non-Sustainable Goods & Services

Key Objective

To reduce the demand for non-sustainable goods and services by reducing purchasing, using resource-efficient products and considering end of life.

Supporting Objectives

1. To minimise any negative impacts of goods, works or services across their life-cycle and through the supply chain (e.g. impacts on health, air quality).
2. To seek to ensure that minimum ethical, equality, human rights and employment standards are met by suppliers and those with strong environmental performance are recognised.
3. To ensure that fair contract prices and terms are applied and respected.
4. To seek to provide opportunities for and encouragement to small and medium businesses and other relevant organisations to tender for business.

Targets

1. Review the sustainability risks associated with areas of high spend and prioritise areas for action through supplier appraisals (on-going).
2. Purchasing processes to include information for small and local suppliers (Dec 2016)
3. Directorship to incorporate whole life costing considerations into project construction, refurbishment and maintenance contracts (no date)

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative Environmental Aspects, they are:

1. Purchase of sustainable goods and services
2. Environmental awareness raising
3. Environmental research and training

6. Water Consumption

Key Objective

To reduce water consumption from all of shenton**group**'s operations.

Supporting Objectives

1. To support the activity of the Carbon Management Plan by reducing emissions associated with water usage.
2. To improve sub metering of water consumption to enable better understanding of water consumption profiles.
3. To raise awareness of the impacts of water usage.

Targets

1. To establish a water consumption baseline rate for the whole company. (Dec 2017)
2. Identify and implement water reduction targets
3. Reduce water use on wash down facilities
4. Create a self-generated annual investment fund to allow the implementation of annual water reduction initiatives

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative environmental aspects, they are:

1. The reduction of water use
2. Environmental awareness rising
3. Environmental research and training

7. Noise Pollution

Key Objective

To monitor and reduce complaints relating to noise within the scope of shentongroup's responsibility.

Supporting Objectives

1. To consider noise impacts when planning any changes in use of our products.
2. To consider noise impacts when planning any project installation, servicing processes and implementing any rental hire contracts.
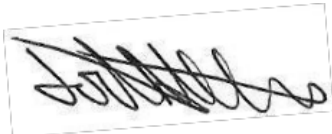
Targets

1. To work with all our business partners to reduce noise complaints arising from product and service activities which are within shenton**group**'s scope of responsibility with the aim of reducing complaints each year compared to the last year.
2. To incorporate within space allocation procedures a section on noise impacts to ensure this is taken into consideration when change of use is planned.
3. To incorporate within project planning procedures a section on noise impacts to ensure this is taken into consideration when construction installation and commissioning are planned.

Mitigation

shenton**group** has identified positive environmental aspects in this area which are mitigating the negative environmental aspects, they are:

1. Environmental awareness raising
2. Environmental research and training

Signature - Date **-** **11/06/2016**

Name **Jody Meek**

Position **-** **Managing Director** Review **-** **09/06/2017**