

Major Review – Reduction of our Carbon Footprint - Witness Session

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REASON FOR ITEM

To hear from witnesses who will provide evidence for this Committee's review on how the Council can reduce its Carbon Footprint and to be provided with additional information which will help Members with their review.

OPTIONS OPEN TO THE COMMITTEE

1. To question the witnesses who are providing the Committee with evidence for the Committee's review.
2. To receive further information on areas of the review which were requested at the last meeting.
3. To make amendments to the scoping report for the review if necessary (Appendix A).

INFORMATION

1. At the last meeting of the Committee Members heard from witnesses who provided Members with details of the initiatives which are taking place to reduce this Council's carbon footprint. The detail is contained in the Minutes of the last meeting held on 15 October which is an earlier agenda item for this meeting.
2. Officers from the Council's Energy Team will be in attendance at the meeting and will provide expert advice to the Committee. An area which the Committee received information on at the first meeting of the review was in relation to **Anaerobic Digestion (AD)**. As a reminder, the idea is that organic waste, food, grass, slurry etc, is mixed and breaks down to form gas. The gas is then used to power an engine which generates heat and electricity, which is then sold to the grid and local users through a district heat and power network.
4. A good example of this is the new AD plant which has opened in County Durham. The new plant will produce 1.56MWh - enough energy to power 2,000 homes from processing up to 50,000 tonnes of commercial food waste.
5. This facility has been developed by food waste recycling specialist Emerald Biogas, a heavy-duty de-packaging process means the plant can deal with card, plastics and other materials often included in the form of packaging in food waste from supermarkets, fast food outlets, businesses and schools.
6. This is an area the Committee could further investigate has having such a facility in the Borough is quite possible and complimentary to a number of

Corporate Services & Partnership Policy Overview Committee –12 November
2013

Part I – Members, Public and Press

aims; reduction of landfill costs, income generation, balancing our carbon footprint for example. There could also be long term benefits for a number of Council activities and contracts (Waste, vehicles, energy and accommodation for example) could benefit.

7. Members raised the issue of **Electric Car Charging Points** and the use of these in the Borough. There are 15 electric vehicle charging point sites in Hillingdon available for the public to use. These units are provided and managed by two companies; Chargemaster and Elektromotive.
8. Over the past three years £14,893 has been spent towards facilitating the use of electric vehicles. All of this expenditure was in 2011/12 using the Transport for London, Local Implementation Plan budget.
9. The original cost of installing the charging points was funded by the Governments Technology Strategy Board and SSE. This was part of the Ford Battery and Electric Vehicle Project of which the London Borough of Hillingdon is a partner.
10. The data below has been supplied by Chargemaster and is based on the calendar year 2012. Table 1 below lists the location of the Chargemaster points and the number of times each point was used. Table 2 shows Chargemaster points use from 1 January to 23 May 2013. Elektromotive have been able to provide use data for the financial year 2012/13. This data is presented in the table 3.

Table 1. Chargemaster electric vehicle charging points use count 2012

Location	Number of times used
1. Botwell Sports and Leisure Centre, East Avenue, Hayes , Hillingdon, UB3 2HW	2
2. Pump Lane, Hayes, Hillingdon, UB3 3LJ	6
3. Hillingdon Sports and Leisure Centre, Gatting Way, Uxbridge, Hillingdon, London, UB8 1ES	68
4. The Grainges, Oxford Road, Uxbridge, Hillingdon, London, UB8 1BS	319
5. Brandville Road, West Drayton, Hillingdon, London, UB7 7LT	237
6. Fairfield Road, Yiewsley, Hillingdon, UB7 8EY	3
7. Green Lane, Hillingdon, London, HA6 2XP	2
8. Waitrose, 52 Green Lane, Northwood, Hillingdon, London, HA6 2XW	1
9. Pembroke Gardens, Ruislip	Information not available

10. The Chimes, Uxbridge	Information not available
11. Sipson Road, Hillingdon, UB7 0DU	Information not available
12. Bath Road, Hillingdon, TW6 2AA	Information not available

Source Chargemaster (2013)

Table 2. Chargemaster use and energy consumption from 1 January to 23 May 2013

Location	Number of times used
1. Botwell Sports and Leisure Centre, East Avenue, Hayes , Hillingdon, UB3 2HW	1
2. Pump Lane, Hayes, Hillingdon, UB3 3LJ	23
3. Hillingdon Sports and Leisure Centre, Gatting Way, Uxbridge, Hillingdon, London, UB8 1ES	12
4. The Grainges, Oxford Road, Uxbridge, Hillingdon, London, UB8 1BS	118
5. Brandville Road, West Drayton, Hillingdon, London, UB7 7LT	186
6. Fairfield Road, Yiewsley, Hillingdon, London, UB7 8EY	5
7. Green Lane, Hillingdon, London, HA6 2XP	Information not available
8. Waitrose, 52 Green Lane, Northwood, Hillingdon, London, HA6 2XW	Information not available
9. Pembroke Gardens, Ruislip	Information not available
10. The Chimes, Uxbridge	Information not available
11. Sipson Road, Hillingdon, UB7 0DU	Information not available
12. Bath Road, Hillingdon, TW6 2AA	Information not available

Source Chargemaster (2013)

11. Also at the first meeting of the review, the Committee receive information on the Carbon Off-Setting work is taking place in relation to tree planting. For background information attached as **Appendix B** to this report is the Forestry Commission for England publication on “The Case for Trees in Development and the Urban Environment”.

WITNESSES AND FURTHER INFORMATION

11. At the last meeting, a number of areas were asked to be explored by Members with a number of potential witnesses identified. These were as follows:-

- The ECO Energy Efficiency - better communication of this initiative to residents – Officers will update Members at the meeting on the additional promotional work which will be taking place.
- What could the Council do to broker the best energy deals for residents? An update will be provided on this at the meeting.
- The Committee asked for information on details of the Council's vehicle fleet and what measures were being taken to reduce carbon. **David Fisher - Transport Services Manager**, will attend the meeting and provide details for Members on the Council's Transport Fleet and details on the number of vehicles, Litres of diesel and mileage used per month and the mpg figures. Other details which will be provided will be the improvements made in recent times, such as the better fuel efficiency for Council vehicles or any vehicles running on bio-diesel or alternative fuels.
- In relation to **Electric Car Charging Points** and the use of these in the Borough, **Alan Tilly, Transport Manager** will be in attendance to answer Members' questions.
- Further information on profile or part night lighting in residential areas and the feasibility of doing this. Officers will provide this information at a future meeting of the review.
- Procurement – What was the Council doing to ensure that contracts the Council were involved in were carbon friendly? Details on the new strategy which the Council had in place for the buying of energy will be reported to a future meeting of the review.
- The review will receive information at a later meeting which will provide information on best practice in the private sector and whether this could be applied to this Council to enable greater carbon efficiencies.
- **Lucy Padfield, Energy Manager**, from the London Borough of Islington will attend the meeting to provide Members with details of the work which has been carried out in Islington, which Members could find interesting for purposes of the review.

PAPERS WITH REPORT

Appendix A – Scoping Report

Corporate Services & Partnership Policy Overview Committee –12 November
2013

Part I – Members, Public and Press

Appendix B – Forestry Commission for England publication on “The Case for Trees in Development and the Urban Environment”