

ROTHERHAM METROPOLITAN BOROUGH COUNCIL

Environment and Climate Change Group

16th July 2013 @ 11:00am
Conference Room 2, Town Hall

Present:

Cllr K Wyatt (Chairperson)	RMBC
Laura Mellor (Minutes)	RMBC
Cllr E Wallis	RMBC
David Rhodes	RMBC

		Action
1.	<u>Apologies for Absence</u> Zafar Saleem	
2.	<u>Previous Minutes</u> Cllr Wyatt stated that the revised Environment and Climate Change Strategy and action plan and RMBC signing up to Climate Local had been sanctioned by Cabinet without any questions. DR to arrange Climate Local signing requirements and communication of the revised strategy.	All to note
3.	<u>Report on Environment and Climate Change Key Area and Objectives</u> <u>“Energy and Water”</u> A report to performance manage the key area of ‘Energy and Water’ was presented by David Rhodes covering 4 key objectives: <ul style="list-style-type: none">• Sustainable Energy use and wider sustainable development (this has been recognised as a priority)• Reduce CO₂ Emissions• Improve Water Management• Adopt/Promote Renewable Energy The report is at Appendix A to these minutes. DR expanded on the following points: <ul style="list-style-type: none">• Following an investigation into reported CO₂ emissions the correct figure for 2012/13 is <u>38,718.86 tonnes CO₂</u> as shown in the Green House Gas Report.• Riverside House energy consumption - there are currently some issues with energy consumption that are being actioned and the faulty ground source heat pumps are being repaired.	All to note

		Action										
	<p><u>Energy efficiency in Schools</u> Energy efficiency in schools focus on two areas of work:</p> <ul style="list-style-type: none"> • Dearne Valley Schools Programme – two full time officers working as part of the DV Eco Programme work with all schools in the Dearne Valley. There is some uncertainty when the contract will expire. • The remainder of Rotherham schools are supported through the RMBC Schools Collaboration Programme with Brad Johnson concentrating on lowering emissions but also working on the wider environmental factors. <p><u>Display Energy Certificates</u> Required for all properties over 500m² (legislation changed in January from 1000m²). A certificate must be produced and displayed on site to show the operational efficiency. The software supporting the new legislation is still being developed and preventing 500m² sites from being registered.</p> <p><u>Water Management</u> Cllr Wyatt asked if anyone is using grey water. DR said that one school is currently using it. It is costly to fit and the pay back isn't very good.</p> <p><u>Adopting Renewable Energy</u> Work is in progress to register eligible sites for RHI/FITS payments.</p> <p><u>Resources</u> DR said that the Corporate Environmental Team is the main resource for energy efficiency and environmental improvements.</p>	<p>All to note</p> <p>DR</p>										
4.	<p><u>Key Area Objectives to be reviewed at the next meeting:</u></p> <table border="1" data-bbox="312 1357 1158 1839"> <tr><td>1. Strategic Planning and Policy</td></tr> <tr><td>2. Built and Natural Environment</td></tr> <tr><td>3. Emergency Planning and Recovery, Social Care and Health</td></tr> <tr><td>4. Energy and Water</td></tr> <tr><td>5. Engagement, Education And Awareness Raising</td></tr> <tr><td>6. Housing</td></tr> <tr><td>7. Procurement and Resources</td></tr> <tr><td>8. Regeneration and Business</td></tr> <tr><td>9. Transport</td></tr> <tr><td>10. Waste and Recycling</td></tr> </table>	1. Strategic Planning and Policy	2. Built and Natural Environment	3. Emergency Planning and Recovery, Social Care and Health	4. Energy and Water	5. Engagement, Education And Awareness Raising	6. Housing	7. Procurement and Resources	8. Regeneration and Business	9. Transport	10. Waste and Recycling	<p>All to note</p>
1. Strategic Planning and Policy												
2. Built and Natural Environment												
3. Emergency Planning and Recovery, Social Care and Health												
4. Energy and Water												
5. Engagement, Education And Awareness Raising												
6. Housing												
7. Procurement and Resources												
8. Regeneration and Business												
9. Transport												
10. Waste and Recycling												
5.	<p><u>Any Other Business</u></p> <p>Cllr Wyatt asked about the Green Roofs Schemes and mentioned how the profile had reduced recently. DR to provide an update at the next meeting.</p> <p>Cllr Wyatt outlined the good work of the NHS Sustainable Development</p>	<p>All to note</p>										

		Action
	<p>Unit and the potential benefits of looking at available webbased resources and reviewing if/how they could benefit RMBC. DR to look at potential benefits.</p> <p>DR asked Cllr Wyatt if he was happy with the format and content of the report template. Cllr Wyatt confirmed that he was but alternative reporting formats would be acceptable if available to prevent unnecessary work and duplication.</p>	
6.	<p><u>Date and Time of Next Meeting</u></p> <p>Monday 14th October - 12:30pm – 1:30pm, Town Hall</p>	All to note

Appendix A to ECCG Minutes dated 16th July 2013

key Area	4. Energy & Water																																																					
Reporting Officer	David Rhodes																																																					
Date	16 July 2013																																																					
Objective 1: 4.1 Sustainable energy use and wider sustainable development recognised as a priority																																																						
<ul style="list-style-type: none"> • CO₂ emissions reduction / adaptation not a priority in the revised 'plan on a page'. • Use of renewable energy promoted on the back of FITS & RHI tariff benefits and environmental improvements. • Local plan and regional renewable / low carbon targets for development under development. 																																																						
Objective 2: 4.2 Reduce CO₂ emissions																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="width: 15%;">Period</th> <th style="width: 55%;">Emission Data</th> <th style="width: 30%;">Tonnes of CO₂</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">2008/2009</td> <td>Buildings and Streetlighting</td> <td style="text-align: right;">41,810</td> </tr> <tr> <td>Work Related Private Vehicle Use</td> <td style="text-align: right;">961</td> </tr> <tr> <td>Fleet Transport</td> <td style="text-align: right;">3,853</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">46,624</td> </tr> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">2009/2010</td> <td>Buildings and Streetlighting</td> <td style="text-align: right;">43,271</td> </tr> <tr> <td>Work Related Private Vehicle Use</td> <td style="text-align: right;">944</td> </tr> <tr> <td>Fleet Transport</td> <td style="text-align: right;">4,246</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">48,461</td> </tr> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">2010/2011</td> <td>Buildings and Streetlighting</td> <td style="text-align: right;">40,619</td> </tr> <tr> <td>Work Related Private Vehicle Use</td> <td style="text-align: right;">834</td> </tr> <tr> <td>Fleet Transport</td> <td style="text-align: right;">3,134</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">44,587</td> </tr> <tr> <td rowspan="5" style="text-align: center; vertical-align: middle;">2011/2012</td> <td>Buildings and Streetlighting</td> <td style="text-align: right;">37,811</td> </tr> <tr> <td>Work Related Private Vehicle Use</td> <td style="text-align: right;">765</td> </tr> <tr> <td>Fleet Transport</td> <td style="text-align: right;">2,356</td> </tr> <tr> <td>Outsourced contracts</td> <td style="text-align: right;">749</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">41,681</td> </tr> <tr> <td rowspan="5" style="text-align: center; vertical-align: middle;">2012/2013</td> <td>Buildings and Streetlighting</td> <td style="text-align: right;">38,056</td> </tr> <tr> <td>Work Related Private Vehicle Use (av. Car)</td> <td style="text-align: right;">600</td> </tr> <tr> <td>Fleet Transport</td> <td style="text-align: right;">2,133</td> </tr> <tr> <td>Outsourced contracts (WD only)</td> <td style="text-align: right;">453</td> </tr> <tr> <td style="text-align: right;">Total</td> <td style="text-align: right;">41,242 Revised 38,718.86 tonnes CO₂</td> </tr> </tbody> </table>			Period	Emission Data	Tonnes of CO ₂	2008/2009	Buildings and Streetlighting	41,810	Work Related Private Vehicle Use	961	Fleet Transport	3,853	Total	46,624	2009/2010	Buildings and Streetlighting	43,271	Work Related Private Vehicle Use	944	Fleet Transport	4,246	Total	48,461	2010/2011	Buildings and Streetlighting	40,619	Work Related Private Vehicle Use	834	Fleet Transport	3,134	Total	44,587	2011/2012	Buildings and Streetlighting	37,811	Work Related Private Vehicle Use	765	Fleet Transport	2,356	Outsourced contracts	749	Total	41,681	2012/2013	Buildings and Streetlighting	38,056	Work Related Private Vehicle Use (av. Car)	600	Fleet Transport	2,133	Outsourced contracts (WD only)	453	Total	41,242 Revised 38,718.86 tonnes CO ₂
Period	Emission Data	Tonnes of CO ₂																																																				
2008/2009	Buildings and Streetlighting	41,810																																																				
	Work Related Private Vehicle Use	961																																																				
	Fleet Transport	3,853																																																				
	Total	46,624																																																				
2009/2010	Buildings and Streetlighting	43,271																																																				
	Work Related Private Vehicle Use	944																																																				
	Fleet Transport	4,246																																																				
	Total	48,461																																																				
2010/2011	Buildings and Streetlighting	40,619																																																				
	Work Related Private Vehicle Use	834																																																				
	Fleet Transport	3,134																																																				
	Total	44,587																																																				
2011/2012	Buildings and Streetlighting	37,811																																																				
	Work Related Private Vehicle Use	765																																																				
	Fleet Transport	2,356																																																				
	Outsourced contracts	749																																																				
	Total	41,681																																																				
2012/2013	Buildings and Streetlighting	38,056																																																				
	Work Related Private Vehicle Use (av. Car)	600																																																				
	Fleet Transport	2,133																																																				
	Outsourced contracts (WD only)	453																																																				
	Total	41,242 Revised 38,718.86 tonnes CO ₂																																																				

CO₂ emissions reported through CRC and DECC GHG annual reporting in July each year covering building energy use; streetlighting; grey fleet transport and fleet transport:

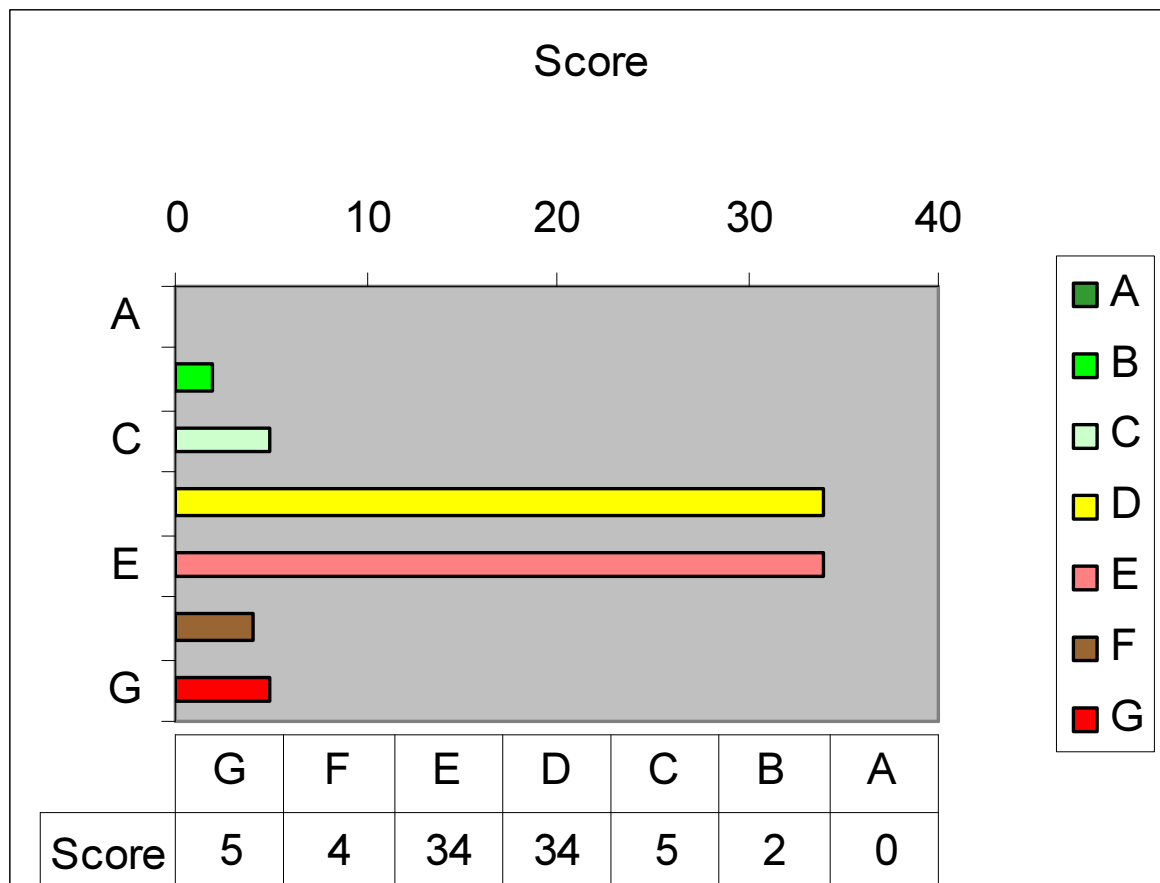
The emission factors have recently changed for GHG reporting and the figures shown may differ when the revised format is utilised fully.

Overall CO₂ emissions for buildings and streetlighting has increased, the reason for the increase is being investigated.

Energy efficiency in schools is done primarily through:

- Dearne Valley – 2 full time Eco-Schools Officers work with schools to gain Eco-schools standard and improve environmental performance.
- Rotherham – All other schools are involved in a Carbon Trust/Eco-schools programme to improve environmental performance and reduce emissions.

Display Energy Certificates:



Objective 3: 4.3 Improve water management

The following water efficiency activities are in progress:

- Council Buildings - limited although retrofit systems such as 'toilet hippos'; push taps and flush management systems have been installed where identified and financially feasible.
- Schools - A programme of water audits has been arranged with Yorkshire Water to check efficiency measures in schools.
- Building Managers are encouraged to have water isolated and systems emptied for unused and closed buildings.
- Assessments have been carried out on:
 - Charges for effluent and surface water drainage.
 - Water meter sizing and charges and potential reductions including replacement charges and payback periods.
 - Potential sites to install pressure reduction valves and subsequent water consumption reductions.
 - Water invoices to check for potential leaks and unusually high consumption.
- External organisation being sought to look at water efficiency and costs beyond work already carried out.
- Encompassing water management strategy being assessed, linked to adaptation programme.
- Training planned on 'Fats, Oils and Grease' and water conservation in areas such as green space depots; Hellaby Depot; school kitchens.

Objective 4: 4.4 Adopt / promote renewable energy

Various renewable projects have / are being implemented on the back of FITS / RHI including:

Sites	Type	Size	Installation
Electricity			
Abbey School	Wind Turbine	6kW	01/07/2009
Anston Greenlands Primary School	PV	33kW	28/02/2011
Anston Hillcrest Primary School - Infants	PV	19kW	05/02/2011
Anston Hillcrest Primary School - Juniors	PV	15kW	05/02/2011
Aston JSC	PV	7.4kW	18/01/2010
Brinsworth Comprehensive School Academy Trust	PV	3.89kW	07/11/2008
Canklow Woods Primary School	Wind Turbine	6kW	26/04/2010
Clifton Park - Garden Building	PV	1.68kW	01/07/2010
Greasbrough Primary School	PV	33kW	28/02/2011
Oakwood Technical College	Wind Turbine	20kW	07/11/2008
Oakwood Technical College	Wind Turbine	20kW	01/03/2010
Oakwood Technical College	PV	4kW	04/09/2009
Rawmarsh Sandhill Primary School	PV	26kW	29/01/2011
Rockingham Junior and Infant School	PV	33kW	12/02/2011
Swinton Community School	PV	3kW	26/07/2010
Thrybergh Primary School	PV	16kW	22/01/2011

Site	Heating System
Breathing Space	GSHP 400kW system Solar Water Heating (8m ²) <i>Not Sub Metered</i>
Canklow Primary School (New)	Solar Water Heating; installation 26/04/2010 100 kW Biomass heating via wood chip
Clifton Park - Garden Building	Solar Water Heating (4m ²); installation 01/07/2010
Moorgate Crofts Business Centre	GSHP heating and cooling 150 kW system
Fusion @ Magna Business Incubation Unit	Air sourced heat pumps
St Annes Sheltered Housing scheme	500 kW Biomass heating via wood chip
Vine Close District Heating Scheme	Containerised 500 kW Biomass boiler heating via wood chip
Mason Avenue District Heating Scheme	Containerised 500 kW Biomass boiler heating via wood chip
Matrix @ Dinnington Business Incubation Unit	100 kW Biomass boiler via wood chip
Herringthorpe Jun & Inf School	150 kW Biomass heating via wood chip
Aston Customer Service Centre	Air sourced heat pumps
Swinton Queen	100 kW Biomass wood chip boiler
Riverside House	Ground Source Heat Pumps

Registration for eligible sites in progress.

a. Links to national / local performance indicators

- PI 24 Rotherham is prepared for present and future climate change
- PI 27 Reduce CO2 emissions and lower levels of air pollution

c. Resources

- Corporate Environmental Team
- Local Authority Energy Fund:

Site	Project	Savings	Nett Cost
Street Lighting	LED Lighting	38,843	194,215
Hellaby Depot	Draft Seals	1,396	1,993
Hellaby Depot	Radiator Panels	628	937
Riverside House	ICT Upgrade	1,945	9,725
Bailey House	ICT Upgrade	607	3,035
Swinton Comp	Heating Controls	2,000	10,000
Swinton Comp	Lighting Controls	3,000	15,000
Portage Centre	Heating Time Controls	234	750
Markets	VSD	1,500	6,986
Victoria Street	Heating Controls	500	2,225
Anston Park Infants	T5 Lighting & Controls	1,000	5,000
Treeton CofE	T5 Lighting & Controls	1,000	5,000
Redscope	Heating Controls	1,500	7,500
Blackburn	Heating Controls	1,400	7,000

Next Steps and Future Actions

- Continued CO₂ reduction activities.
- Internal Environmental Programme.
- Communication of the Environment and Climate Change Strategy and signing Climate Local.
- PV systems on 20 schools and Riverside House
- Aged Persons Centres – Direct Solar for HW.
- Rother Valley Country Park – biomass boiler.
- Woodsett Primary & Anston Brook wind turbines.
- Hellaby LED lighting.

Environment and Climate Change Group Comments

Nothing further to add.