

**Lancashire County Council**

**Cabinet Committee on Climate Change and the Environment**

**Tuesday, 11th October, 2011 at 2.00 pm in Cabinet Room 'B' - County Hall,  
Preston**

**Agenda**

**Part 1 (Open to Press and Public)**

**No. Item**

- 1. Apologies for Absence**
- 2. Disclosure of Personal and Prejudicial Interests**  
Members are asked to consider any Personal / Prejudicial Interests they may have to disclose to the meeting in relation to matters under consideration on the Agenda.
- 3. Minutes of the Meeting held on 12 July 2011** (Pages 1 - 6)
- 4. Matters Arising**  
*- Verbal update on Natural Environment White Paper: Local Nature Partnerships and Nature Improvement Areas. (Anne Selby – Lancashire Wildlife Trust)*
- 5. National Biodiversity Strategy**  
*(Presentation – Anne Selby, Lancashire Wildlife Trust)*
- 6. Internal Carbon Emissions Reporting**
  - (a) Sharing Information on Greenhouse Gas Emissions from Council's Own Estate and Operations** (Pages 7 - 12)  
*(Fiona Cruchley)*
  - (b) Carbon Reduction Commitment - Footprint and first Annual Report** (Pages 13 - 22)  
*(Matthew Tidmarsh)*
- 7. Update on Schools' Energy Loan Fund** (Pages 23 - 24)  
*(Matthew Tidmarsh)*

**8. Urgent Business**

An item of Urgent Business may only be considered under this heading where, by reason of special circumstances to be recorded in the minutes, the Chairman of the meeting is of the opinion that the item should be considered at the meeting as a matter of urgency. Wherever possible, the Chief Executive should be given advance warning of any Members' intention to raise a matter under this heading.

**9. Date of Next Meeting**

The next meeting will be held on Tuesday 6 December 2011, at 2pm, in Cabinet Room 'B', County Hall, Preston.

I M Fisher  
County Secretary and Solicitor

County Hall  
Preston

# Agenda Item 3

## Lancashire County Council

### Cabinet Committee on Climate Change and the Environment

Minutes of the Meeting held on Tuesday, 12th July, 2011 at 2.00 pm in Brockholes Conference Centre, Brockholes Nature Reserve, Preston, PR5 0UJ

#### Present:

County Councillor Michael Green (Chair)

#### County Councillors

Mrs S Charles

M Perks

#### Co-opted members

A Selby

J Ratcliffe

Lancashire Wildlife Trust

Environment Agency

#### 1. Apologies for Absence

Apologies for absence were received from County Councillors Tim Ashton and Janice Hanson.

#### 2. Disclosure of Personal and Prejudicial Interests

None disclosed.

#### 3. Minutes of the Meeting held on 15 March 2011

The minutes of the meeting held on 15 March 2011 were agreed as an accurate record.

#### 4. Government White Paper on the Environment (securing the value of nature)

Anne Selby, Lancashire Wildlife Trust, gave a verbal update on a recent Government White Paper on the Environment ([The Natural Choice: securing the value of nature](#))

Anne reported that it was the first White Paper on the environment for 20 years and outlines the Government's vision for the natural environment over the next 50 years and is backed up with practical action to deliver that ambition.

Part of the proposals contained in the White Paper are to create new Nature Improvement Areas (NIAs) to enhance and reconnect people to nature on a significant scale. Local partnerships will come together to form NIAs. A competition will be set up to identify 12 initial areas and will provide £7.5million to support this.

The White Paper also focuses on protecting and improving our natural environment, growing a green economy and international and EU leadership. The White paper also make provision for monitoring and reporting and a set of key indicators will be developed by spring 2012 to track progress of the White Paper.

It was noted that the Government do not intend to follow through with legislation.

The Committee discussed the White Paper and the impact on Lancashire and the implications of how the White Paper could be implemented within Lancashire's two tier council structure.

**Resolved:** County Councillor Michael Green, Chair of the Cabinet Committee on Climate Change and the Environment, welcomed the White Paper and the Committee agreed to note verbal update provided.

#### **5. Department for Energy & Climate Change (DECC) reporting requirements on greenhouse gas emissions from Local Authority own estate, operations and preliminary findings**

Fiona Cruchley gave a presentation (circulated) on the reporting requirements on greenhouse gas (GHG) emissions. Fiona reported that the Department for Energy and Climate Change (DECC) requests that once each Local Authority has published its local GHG report the Local Authority must provide with information which includes totals for Scope 1, Scope 2 and Scope 3 emissions in CO<sub>2</sub>e. Details are placed on the DEEC website sot that visitors can contact Local Authorities if they have any additional queries.

Fiona reported the details provided within each scope area as follows:

##### **Scope 1 – direct energy emissions**

- Gas used in Lancashire County Council (LCC) premises (schools and corporate buildings)
- Heating Oil used in LCC premises (schools and corporate buildings)
- Fuel used in LCC owned vehicles
- Exclusion – fugitive emissions from air conditioning and refrigeration (due to cost of data collection)

##### **Scope 2 – Energy Indirect Emissions**

- Electricity used in street-lighting
- Electricity used in LCC premises (schools and corporate buildings)

##### **Scope 3 – Other Indirect Emissions**

Reporting on scope 3 emissions is discretionary

- Business travel by car

Fiona explained that once all figures are available a final report will be presented to the Committee at a future meeting.

**Resolved:** The Committee agreed to note the presentation and noted that it will receive a final report, when available, at a future Committee meeting.

## **6. Schools Energy Award**

Fiona Cruchley gave a verbal update on the Schools Energy Award and progress made.

It was previously reported to the Committee that an Energy Strategy for Schools had been developed and that the County Council actively works with schools by providing advice on ways to reduce carbon emissions.

It was reported that groups such as the Energy Club continue to work with schools to look at ways of improving efficiency and reducing emissions, and that the next Chairman's Challenge (where both primary and secondary schools meet the Chairman of the County Council annually in a competition that encourages children to think about being healthy and safe) will include some questions relating to Schools Energy.

**Resolved:** The Committee discussed the Schools Energy Award and agreed to note the verbal update provided on progress made to date.

## **7. Schools Energy Strategy Update**

Matthew Tidmarsh gave a verbal update on the Schools Energy Strategy.

Matthew explained that the strategy would shortly be launched and that there is over £4.1million in payback measures which will be for the Schools Forum to determine how to allocate the funding to schools in order to get best results. It is likely that a report will go forward to recommend commission based programmes and part of the programme will look at installing new heating systems in schools to improve efficiency.

With schools accounting for 50% of the County Council's energy consumption, improvements in schools efficiency will have a major effect on the County Council's overall energy use.

**Resolved:** The Committee agreed to note the verbal update regarding the Schools Energy Strategy.

## **8. Renewable Energy Capacity study for Lancashire**

Andrew Coombe presented the report (circulated) and explained that there is significant central government interest in the potential for energy generation through renewable sources across the UK, with a national target for 15% of all energy generated in the UK to come from such sources by 2020.

Andrew explained that the Department for Communities and Local Government (CLG) made £1,085,000 available to the North West Improvement & Efficiency Partnership (NWIEP) for 2010/2011 to develop a programme to increase local authority capacity to tackle the causes and effects of climate change in the North West of England. This funding was split into 2 streams, 1 to carry out work at a regional basis (circa £500,000) and 1 to carry out projects at a sub regional level (circa £100,000 per sub region).

The sub regional funding offered 100% support for proposed projects and bids were submitted through the Team Lancashire Programme. The feedback from partners on what Lancashire should bid for was to increase understanding and knowledge around potential renewable energy sources at a local level. To meet this aspiration, Lancashire County Council submitted a bid on behalf of partners to the fund from which £65,000 was secured to carry out the work. Lancashire County Council is acting as lead body and working in conjunction with Team Lancashire to submit claims.

As well as collating District level information, the work on this project has produced an overall estimate for the potential renewable energy for the whole of Lancashire. This gives a total potential energy from all sources of 10,613 megawatts (MW) of energy, which can be split into 7,416 MW of electricity and 3210 MW of heat. Within these figures the 2 biggest areas are large scale wind generation and micro-generation. The micro-generation figure would include small scale wind power, solar energy and the use of heat pumps. The figure of 10,613 MW is equivalent to five large coal fired power stations.

All district councils, including the two unitary councils, have welcomed the research and the value it brings.

The Committee discussed the viability of various renewable energy sources including wind turbines, tidal power and solar panels.

**Resolved:** The Committee agreed to note the report.

## **9. Lancashire Insulation Fund: A Project Update**

Debbie King presented the report (circulated) on the Lancashire Insulation Fund. Debbie explained that the report provided an update on where the project is up to currently.

The Lancashire Insulation Fund seeks to maximise for the residents of the county Lancashire's share of funding from the Government's Carbon Emissions Reduction Target (CERT) initiative. Securing a partnership with a CERT provider to invest their funding in the county secures a consistent level of investment enabling a single price for the installation of standard energy measures (loft and cavity wall insulation) to be negotiated.

Debbie described the selection process used to choose contractors, interested contractors were asked to submit expressions of interest and complete a Pre Qualifying Questionnaire (PQQ) which was then used to form a scoring matrix

and an interview process followed from which two successful contractors were chosen.

The contractors will charge a fixed price for installation which will be fixed until December 2012 at which point the CERT scheme is to be abolished in and is to be replaced by the Government's 'pay as you save' Green Deal scheme.

Debbie also explained that an extensive marketing campaign would be carried out.

**Resolved:** The Committee commended the progress made to date on the project and agreed to note the report.

#### **10. Urgent Business**

None

#### **11. Date of Next Meeting**

It was noted that the next Committee meeting would be held on Tuesday 11 October 2011, 2pm at County Hall, Preston.

I M Fisher  
County Secretary and Solicitor

County Hall  
Preston





# Agenda Item 6a

## Cabinet Committee on Climate Change and the Environment

Meeting to be held on 11 October, 2011

Electoral Division affected: All
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### Sharing Information on Greenhouse Gas Emissions from Council's Own Estate and Operations

(Appendices 'A' and 'B' refer)

Contact for further information:

Fiona Cruchley, 01772 533906, Environment Directorate,

[Fiona.cruchley@lancashire.gov.uk](mailto:Fiona.cruchley@lancashire.gov.uk)

#### Executive Summary

This report summarises the requirement to share information on greenhouse gas emissions from the council's own estate and operations and presents data on performance in 2009/10 and 2010/11.

#### Recommendation

The Cabinet Committee on Climate Change and the Environment is asked to note the report and agree to receive annual updates.

#### Background and Advice

As part of the single data list of national reporting requirements there is a requirement to report on greenhouse gas emissions from the council's own estate and operations. This requires similar information to the former national indicator, NI 185, but is in a different format.

Key differences with NI 185 are that this indicator requires reporting of all greenhouse gases rather than just carbon dioxide. The format of the report also requires a split into scope 1 (direct energy emissions), scope 2 (indirect energy emissions) and scope 3 (other indirect emissions). This is in line with the greenhouse gas reporting protocol.

The reports published, and submitted to national government, are attached as appendices A and B.

Total emissions reported for 2009/10 were 138,196 tonnes CO<sub>2</sub>e and in 2010/11 emissions were 145,768 tonnes CO<sub>2</sub>e.

#### Trends in energy use and carbon emissions

Lancashire County Council has had a programme of activity to reduce energy use and associated greenhouse gas emissions for many years. Most areas have seen a small change between 2009/10 and 2010/11. However, the introduction of the

Carbon Reduction Commitment has required significant upgrading of the data management systems used to monitor the organisations energy use. The slight rises in energy use seen for buildings in this period are as a result of this more comprehensive recording.

The energy use of a building is dependent on the external temperatures. This can be standardised using "degree day" corrections. The data presented has not been corrected, however there were very small differences between the degree day figures for the two years as both were cooler than typical.

### **Consultations**

N/A

### **Implications:**

This item has the following implications, as indicated:

### **Risk management**

This report outlines the data reported to national government in response to the requirement to share information on greenhouse gas emissions from the council's own estate and operations. There are therefore no direct implications of the report, although future reductions in energy use will reduce both costs and reputational risk.

### **Any representations made to the Cabinet Committee prior to the issue being considered in accordance with the Public Notice of Forward Plans**

Name:	Organisation:	Comments:
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N/A

### **Local Government (Access to Information) Act 1985 List of Background Papers**

Paper	Date	Contact/Directorate/Tel
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N/A

Reason for inclusion in Part II, if appropriate

N/A

# **Greenhouse Gas Emissions from Lancashire County Council's estate and operations.**

## **Scope of report**

This report outlines the greenhouse gas emissions from Lancashire County Council's estate and operations in 2009/10 and 2010/11. Unlike earlier reports, such as that produced for National Performance Indicator 185 in 2009, this document reports CO<sub>2</sub>e rather than just CO<sub>2</sub> emissions

The emissions included are from

- Energy (gas, heating oil and electricity) used in County Council premises (eg libraries, offices, depots, youth centres)
- Energy (gas, heating oil and electricity) used in Schools (primary, secondary and nursery)
- Electricity used in street-lighting
- Fuel used by fleet vehicles
- Staff business mileage

Some sources of emissions are excluded because of the cost of data collection as they are known or understood to be extremely small. These include fugitive emissions from air conditioning and refrigeration and staff business travel by public transport.

The organisation has been defined according to the same criteria as apply for the Carbon Reduction Commitment Energy Efficiency Scheme, although for the purposes of this report academy schools and the portfolio of properties owned by the County Council's pension fund have been excluded as the County Council does not have any control over the operation of these.

## **Changes between years**

Lancashire County Council has had a programme of investment in energy efficiency improvements in buildings, street-lighting and services over several years. However, energy use for space heating in buildings is dependent on the weather conditions. The data reported here has not been adjusted to take this into consideration.

## Conversion factors used

Energy or fuel type	Units	Conversion factor	Reference 2010 Guidelines to Defra/DECC's GHG Conversion Factors for Company Reporting <a href="http://archive.defra.gov.uk/environment/business/reporting/pdf/101006-guidelines-ghg-conversion-factors.xls">http://archive.defra.gov.uk/environment/business/reporting/pdf/101006-guidelines-ghg-conversion-factors.xls</a>
Electricity (grid)	kWh	0.54522	Annex 3, table 3c, total direct GHG column, 2008
Natural gas	kWh	0.18523	Annex 1, table 1c, total direct GHG column
Gas oil	kWh	0.27533	Annex 1, table 1c, total direct GHG column
Burning oil	Litres	2.5421	Annex 1, table 1b, total direct GHG column
Petrol	Litres	2.32200	Annex 1, table 1b, total direct GHG column
Diesel	Litres	2.67200	Annex 1, table 1b, total direct GHG column
LPG	Litres	1.49200	Annex 1, table 1b, total direct GHG column
Gas oil	Litres	3.02120	Annex 1, table 1b, total direct GHG column
Biodiesel	Litres	2.53970	On basis of specified 5% blend Annex 9, table 9b part iii scope1 total direct GHG column
Staff business mileage	Miles	0.33515	On basis of average car, unknown fuel Annex 6, table 6e, total direct GHG column

<b>2009 10</b>	<b>units</b>	<b>fuel used</b>	<b>CO2e conversion factor</b>	<b>CO2e emissions tonnes</b>
<i>Scope 1 - direct emissions</i>				
gas used in schools	kWh	133,408,321	0.18523	24,711
gas used in corporate buildings	kWh	50,875,803	0.18523	9,424
heating oil used in schools	kWh	10,961,257	0.27533	3,018
heating oil used in corporate buildings	kWh	7,526,397	0.27533	2,072
petrol used in fleet vehicles	litres	61,590	2.32200	143
diesel used in fleet vehicles	litres	965,538	2.67200	2,580
LPG used in fleet vehicles	litres	2,121	1.49200	3
gas oil used in fleet vehicles	litres	333,795	3.02120	1,008
biodiesel used in fleet vehicles	litres	1,163,132	2.53970	2,954
<b>total Scope 1 emissions</b>				<b>45,914</b>
<i>scope 2- energy indirect emissions</i>				
electricity used in schools	kWh	62,489,624	0.54522	34,071
electricity used in corporate buildings	kWh	30,180,451	0.54522	16,455
electricity used in streetlighting	kWh	66,524,919	0.54522	36,271
<b>total scope 2 emissions</b>				<b>86,796</b>
<i>scope 3 - other indirect emissions</i>				
staff business mileage	miles	16,369,997	0.33515	5,486
<b>total scope 3 emissions</b>				<b>5,486</b>
<b>total emissions</b>				<b>138,196</b>

<b>2010 11</b>	<b>units</b>	<b>fuel used</b>	<b>CO2e conversion factor</b>	<b>CO2e emissions tonnes</b>
<i>Scope 1 - direct emissions</i>				
gas used in schools	kWh	137,689,848	0.18523	25,504
gas used in corporate buildings	kWh	55,490,313	0.18523	10,278
burning oil used in schools	litres	1,930,444	2.5421	4,907
burning oil used in corporate buildings	litres	357,885	2.5421	910
gas oil used in schools	litres	708,603	3.0212	2,141
gas oil used in corporate buildings	litres	68,381	3.0212	207
petrol used in fleet vehicles	litres	60,797	2.322	141
diesel used in fleet vehicles	litres	915,120	2.672	2,445
LPG used in fleet vehicles	litres	0	1.492	0
gas oil used in fleet vehicles	litres	296,999	3.0212	897
biodiesel used in fleet vehicles	litres	1,033,817	2.5397	2,626
<b>total Scope 1 emissions</b>				<b>50,057</b>
<i>scope 2 - energy indirect emissions</i>				
electricity used in schools	kWh	65,384,525	0.54522	35,649
electricity used in corporate buildings	kWh	35,521,163	0.54522	19,367
electricity used in streetlighting	kWh	65,340,720	0.54522	35,625
<b>total scope 2 emissions</b>				<b>90,641</b>
<i>scope 3- other indirect emissions</i>				
staff business mileage	miles	15,127,898.00	0.33515	5,070
<b>total scope 3 emissions</b>				<b>5,070</b>
<b>Total emissions</b>				<b>145,768</b>

# Agenda Item 6b

## Cabinet Committee on Climate Change and the Environment

Meeting to be held on 11 October 2011

Electoral Division affected: All
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### Carbon Reduction Commitment – Footprint and first Annual Reports

(Appendices 'A' and 'B' refer)

Contact for further information:

Matthew Tidmarsh, (01772) 533243, Office of the Chief Executive,

[matthew.tidmarsh@lancashire.gov.uk](mailto:matthew.tidmarsh@lancashire.gov.uk)

#### Executive Summary

This report seeks to inform the Committee of the recent submission made by the County Council to meet the requirements of the Carbon Reduction Commitment (CRC) Energy Efficiency Scheme. The submission includes carbon emissions data for both Schools and County retained buildings.

#### Recommendation

That the Cabinet Committee for Climate Change and the Environment notes the report and the commitment to provide regular updates regarding the CRC.

#### Background

The Committee will recall previous reports concerning the Carbon Reduction Commitment (CRC) Energy Efficiency Scheme of which the County is required to be a registered participant. The CRC came into force on 1<sup>st</sup> April 2010 and the Council must meet certain deadlines for reporting. The most recent and significant of which were the initial carbon 'Footprint Report' and the first 'Annual Report' on emissions. The Footprint Report identifies all energy consumed within relevant buildings whereas the Annual Report identifies the energy consumption for which carbon allowances will ultimately need to be purchased. Both reports were submitted on time by the end of July 2011 and covered the period April 2010 to March 2011 inclusive.

The County's Corporate Property Group's Energy Team collated and delivered these reports and also the required 'Evidence Pack' necessary for external audit by the Environment Agency. The Evidence Pack details the procedures and systems in place for the collation of information for the Footprint and Annual Reports. An internal audit of this was rated as providing '**substantial assurance**' over the systems and procedures in place.

Attached at Appendix 'A' is the Footprint Report showing the total LCC carbon footprint emissions at just over 138,000 tonnes.

## **Carbon Allowances**

Appendix 'B' summarises the emissions data collated for the first Annual Report. The CRC does not require the purchase of allowances for reported emissions in the first year and so the first Annual Report is for information only. However, allowances are currently valued at £12.00 per tonne and, based upon the first year reported and 'regulated' emissions of just over 131,000 tonnes, the total cost of purchase for Lancashire County Council would have been in the order of £1.58 million (slightly less than originally anticipated).

The first Annual Report includes emissions from schools. All schools within the County boundary, excepting privately run schools, are included in the CRC. Consequently the reports on emissions include Academies, BSF, PFI, Foundation, Voluntary Aided, Voluntary Controlled and Community Schools. The total cost of allowances for schools based upon the first Annual Report would have been in the order of £900,000.

Schools' Forum has previously indicated its support for the CRC and a willingness to fund the purchase of allowances for schools from the centrally held reserves. However, it is intended that a report be taken to the next Schools' Forum meeting detailing the qualifying emissions in the first annual report and, using these as an estimate, confirming support for the purchase of the necessary allowances from April 2012.

The first actual purchase of allowances will take place from April 2012 based upon emissions reported in the second Annual Report covering the year 2011/12.

## **Financial Impact**

As described the first requirement for the purchase of carbon allowances will fall due in April 2012 for carbon emitted in 2011/12, this will require accruals to be made in the 2011/2012 accounts. At this stage it is impossible to accurately predict the total cost but, based upon the first Annual Report, it is likely to be in the order of £1.6 million (including schools). The cost of this has already been recognised in the Medium Term Financial Strategy and reflected in the County's revenue budgets.

## **Future Reports**

The Government has announced its intention to simplify the CRC scheme. It is therefore likely that reporting requirements will change. It is intended that further regular reports are brought to the Committee for consideration as and when changes and/or significant reporting deadlines are due.

## **Consultations**

N/A

## **Implications:**

This item has the following implications, as indicated:



## **Risk management**

This report provides a guide to the financial cost of the carbon allowances which will need to be bought to meet the County's CRC obligations. This legislation will now become an annual burden to the County with a financial risk of increase if the County doesn't actively reduce its CO<sub>2</sub> emissions through the effective management of energy in its portfolio of buildings.

### **Any representations made to the Cabinet Committee prior to the issue being considered in accordance with the Public Notice of Forward Plans**

Name:	Organisation:	Comments:
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N/A

### **Local Government (Access to Information) Act 1985 List of Background Papers**

Paper	Date	Contact/Directorate/Tel
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N/A

Reason for inclusion in Part II, if appropriate

N/A





## Footprint report summary

<b>Date created</b>	<b>14 September 2011</b>
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### Your details

<b>Phase: 1</b>
<b>Year: 2010/2011</b>
<b>CRC reference number: CRC1965596</b>
<b>Addressee: Mr Stephen Costello</b>

<b>Designated change description: None</b>
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**Core supplies\*** (this excludes core supplies of gas to an EU ETS installation and CCA facility and core supplies of electricity to a CCA facility).

Fuel type	Supply	Measurement units	Calculated emissions (tonnes CO2)
Core electricity not covered by a CCA	122,481,927	kWh	66,262
Core gas not covered by EU ETS or by a CCA	74,482,813	kWh	13,675

**Residual supplies: (Amount of residual fuel emissions as calculated from each fuel type listed as below)**

Fuel type	Supply	Measurement units	Calculated emissions (tonnes CO2)
Burning Oil/ Kerosene/ Paraffin	2,362,729	litres	5,982
Commercial/ Public Sector Coal	112	tonnes	288
Electricity	51,059,179	kWh	27,623
Gas Oil	777,011	litres	2,146

Natural Gas	123,473,475	kWh	22,669
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<b>Other fuel sources</b>	
<b>Description</b>	<b>Amount</b>
Biomass (Wood)	542.25 tonnes
PV Renewable (not Exported)	36,441 kWh

<b>EU ETS, CCA and exempt subsidiary emissions</b>	
<b>Core Energy Emissions covered by EUETS (tonnes of CO2)</b>	
<b>Non-Core Energy Emissions covered by EUETS (tonnes of CO2)</b>	
<b>Emissions covered by all CCA exempt undertakings (tonnes of CO2) (i.e. CCA emissions covered by a CCA exemption and other emissions which are not CCA emissions but which are covered by a CCA exemption)</b>	
<b>Core Energy Emissions covered by CCA (tonnes of CO2) (where the emissions are not covered by a CCA exemption)</b>	
<b>Non-Core Energy Emissions covered by CCA (tonnes of CO2) (where the emissions are not covered by a CCA exemption)</b>	

<b>Emissions</b>	
<b>Total Footprint Emissions (tonnes of CO2)</b>	138,645 Tonnes of CO2
<b>Regulated Emissions (tonnes of CO2)</b>	130,229 Tonnes of CO2
<b>% of Footprint Emissions covered by Regulated Emissions</b>	93 %
<b>Total CRC Emissions (tonnes of CO2)</b>	130,229 Tonnes of CO2

<b>Residual measurement list*</b>	
<b>Description</b>	<b>Emissions (Tonnes of CO2)</b>
Residual Gas	22,669

Residual Electricity	27,623
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Climate Change Agreement (CCA) Information	
Participant status	No CCAs

Significant Group Undertaking (SGU) Climate Change Agreement (CCA) Information			
Organisation Name		Lancashire County Council	
Member Exemption(s)		Not Exempt	
Climate Change Agreement (CCA)			
Organisation Name	Emissions of Organisation (tonnes of CO2)	Emissions covered by CCA (tonnes of CO2)	Target Unit Identifier

**\*Please note that the fuel types in the boxes marked with an asterisk should be reported in your annual reports (subject to any changes to your residual measurement list brought about by a designated change).**



Email scams are an increasing problem. If you have received an email from the EA, NIEA or SEPA regarding the CRC Energy Efficiency Scheme that you consider to be fraudulent, please forward it to the following respective addresses:

For the EA – [crc-operations@environment-agency.gov.uk](mailto:crc-operations@environment-agency.gov.uk)

For NIEA – [CRCNI@doeni.gov.uk](mailto:CRCNI@doeni.gov.uk)

For SEPA - [CRC@sepa.org.uk](mailto:CRC@sepa.org.uk)

We cannot reply to every email, but action is taken on each report received.

Please also do everything you can to ensure that the identifiers and passwords you use when accessing the CRC Registry are kept secure. You should not divulge your online User ID and password to anyone. Any suspicious activity should be reported to us immediately.





## Annual report summary

<b>Date Created</b>	14 September 2011
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### Your details

<b>Phase: 1</b>
<b>Reporting Year: 2010/2011</b>
<b>CRC reference number: CRC1965596</b>
<b>Addressee: Mr Stephen Costello</b>

### Renewable energy data

Type	Kilowatt Hours	Tonnes of CO2
Total ROCs:	0	0
Total FITs:	0	0
Self supply covered by ROCs or FITs:	0	0
EGCs relating to renewables:	0	0

**Core supplies** (this excludes core supplies of gas to an EU ETS installation and CCA facility and core supplies of electricity to a CCA facility)

Fuel source	Actual supply	Estimated supply	Measurement unit	Calculated emissions (tonnes of CO2)
Core electricity not covered by a CCA	121,364,783	1,117,145	kWh	66,322
Core gas not covered by EU ETS or by a CCA	68,519,069	5,961,743	kWh	13,784

### Residual measurement list fuels

Fuel source	Actual supply	Estimated supply	Measurement unit	Calculated emissions (tonnes of CO2)
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Electricity	36,988,077	14,071,102	kWh	28,383
Natural Gas	101,873,910	21,599,565	kWh	23,066

<b>Electricity Generating Credits</b>		
	<b>Kilowatt Hours</b>	<b>Tonnes of CO2</b>
<b>Electricity Generating Credits</b>	36,441	19

<b>Emissions for annual reporting year 2010/2011</b>
<b>Total CRC Emissions (tonnes of CO2): 131,536</b>

<b>SGU emissions</b>	
<b>SGU name</b>	<b>SGU emissions (tonnes of CO2)</b>
Lancashire County Council	131,536

<b>Early action metrics</b>	
<b>Emissions covered by carbon trust standard or equivalent</b>	
<b>Emissions (tonnes of CO2)</b>	<b>Scheme</b>
35,345	Carbon Trust Scheme
<b>Emissions covered by voluntary AMR - percentage: 0</b>	

<b>Turnover/ expenditure for report year: £ 1,920,000,000</b>
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<b>Corporate responsibility responses</b>	
<b>Type</b>	<b>Answer</b>
Discloses long term reduction targets	Yes
Discloses performance against long term reduction targets	Yes
Names director responsible for energy use	Undisclosed
Engages employees in reduction of energy use	Yes
<b>Report comments:</b>	





# Agenda Item 7

## Cabinet Committee on Climate Change and the Environment

Meeting to be held on 11<sup>th</sup> October, 2011

Electoral Division affected: All
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### Update on Schools' Energy Loan Fund

Contact for further information:

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#### Executive Summary

This report seeks to inform the Committee of the recent approval given by the Schools' Forum for how the previously established Energy Loan Fund should operate.

#### Recommendation

That the Cabinet Committee for Climate Change and the Environment notes the report and supports the implementation of the Schools' Energy Loan Fund in line with the approval given by Schools' Forum.

#### Background

The Schools' Forum has previously agreed to transfer funding from the Schools' Centrally Retained Reserve to support the setting up of an Energy Loan Fund. The Council's Energy Team was charged with conducting a series of energy surveys at 30 of the schools with the poorest energy rating as determined by the Display Energy Certificate (DEC) records.

The surveys were recently completed and the results presented to Schools' Forum on 20<sup>th</sup> September 2011. Approximately £4.1 million worth of schemes were identified. Of this £1.5 million will be financed from the 2011/12 CYP capital allocation for condition based works in schools which is now underway. A further £1.25 million worth of schemes have a payback in excess of 20 years and so are unlikely to ever be financially viable on their own. This leaves schemes totalling £1.35 million.

The condition under which the loans are to be made is that the Fund will only lend a maximum of 5 times the value of the annual savings in energy arising from the works in question. This will allow the fund to be sustained from the repayments after 5 years (assuming the whole fund is utilised each year). Where the payback of a scheme exceeds 5 years the school would have to fund the balance from other sources.

Consequently of the £1.35 million, a total of £835,000 will be supported by the Fund leaving the remaining £520,000 to be made up from contributions by the individual

schools. This will encourage investment in the most cost effective schemes with the biggest return per £ invested. Successful implementation of the identified schemes will reduce overall carbon emissions by approximately 1,070 tonnes per annum.

The Schools' Forum has agreed to support these schemes and the proposed method of operation but as participation in the Energy Loan Fund is entirely voluntary, has asked the Energy Team to write to the schools concerned to encourage them to apply for loans to enable the works to proceed.

### **Consultations**

Schools' Forum has recently been consulted on the operation of the Energy Loan Fund and has given its support for the operation as described in this report.

### **Implications:**

This item has the following implications, as indicated:

### **Risk management**

Effective implementation of the Schools' Energy Loan Fund will assist schools in their efforts to reduce energy consumption and thereby carbon emissions. This will in turn reduce the financial commitment required to purchase carbon allowances as part of the CRC

### **Any representations made to the Cabinet Committee prior to the issue being considered in accordance with the Public Notice of Forward Plans**

Name:	Organisation:	Comments:
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N/A

### **Local Government (Access to Information) Act 1985 List of Background Papers**

Paper	Date	Contact/Directorate/Tel
Schools' Forum - Carbon Reduction Commitment – Proposals for Operation of Energy Loan Fund	20 <sup>th</sup> Sept. 2010	Matthew Tidmarsh/OCE/ 01772 533243

Reason for inclusion in Part II, if appropriate

N/A