

## WIRRAL COUNCIL

### WIRRAL COUNCIL'S GREENHOUSE GAS EMISSIONS REPORT 2010/11 23 JUNE 2011

#### Background

The purpose of this report is to allow information on Wirral Council's Greenhouse Gas (GHG) Emissions **to be published in the format requested by the Department of Energy and Climate Change (DECC)** as part of the Single List of Central Government requirements from Local Government (2011/12), for data reference 067-00 "Emissions from Local Authority own estate and operations".

One of Wirral Council's Corporate Priorities is to 'Reduce Wirral's Carbon Footprint' through the delivery of a Council Carbon Budget. The Climate Change Strategy, approved by Cabinet in June 2007, commits the Council to tackling climate change. This requires a reduction in emissions of Greenhouse Gases and adaptation to the changes in climate that will occur. Wirral Council has developed a Climate Change Policy, an Action Plan and a Carbon Reduction Programme that focuses on awareness, energy, adaptation and transport.

Wirral Council achieved its target of a 20% reduction in carbon emissions by 2010 in 2007. In 2008, the Council adopted the CRed target of a 60% reduction by 2025. The Council works with residents, communities and both the public and private sectors to encourage them to achieve their own reductions.

Wirral's Carbon Reduction Strategy coordinates all related Council activities through a Wirral Carbon Reduction Programme. This enables Wirral Council to plan, monitor and report progress. Partnership working has also underpinned Wirral's Climate Change Strategy and information on the various carbon reduction initiatives is monitored and reported to the Council's Sustainable Communities Committee.

Wirral Council have introduced a Carbon Budget from April 2011. This will help achieve both local and national carbon reduction targets. The Carbon Budget will enable service managers to plan for CO<sub>2</sub> reductions at a Departmental and operational level and ensure that financial and carbon budgeting is fully integrated into mainstream financial management and business planning activities.

Wirral Council signed up to the Nottingham Declaration in 2001 and reaffirmed its commitment to reduce emissions of carbon dioxide in 2006. Proposals for quantifying CO<sub>2</sub> emissions as part of the procurement process for new Council contracts and other spend from April 2011 are currently being developed.

Wirral Council is a full participant in the Government's Carbon Reduction Commitment Energy Efficiency Scheme (CRCEES).

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## Scope of Report & Specific Exclusions

This report is based on the scope for reporting stationary and transport figures that specified for National Indicator (NI) 185 years 2008/09 (Baseline) and 2009/10. Elements excluded in 2008/09 are similarly excluded from the 2010/11 report, as per the NI Guidance. The reasons for exclusion generally include instances in which data were either unreliable or not available for the NI baseline year. This approach ensures that the three reported years are consistent in scope.

The report covers all Wirral Council owned and operated buildings over which it exercises direct control and Schools. Social housing is excluded.

Fleet Transport is included, as is business travel based on private vehicle mileage. Business travel by other means (Bus, train, aircraft etc.) is excluded as the information was not available in a consistent form. Commuting and Contractor mileage is also excluded for this reason.

GHG emissions data for period 1 April 2010 to 31 March 2011			
	Global tonnes of CO <sub>2</sub> e		
	Current Year 2010/11	Prior Year 2009/10	Base Year 2008/09
Scope 1	18,581	21,158	20,606
Scope 2	26,294	27,584	27,598
Scope 3	6,943	7,420	7,514
<b>Total gross emissions</b>	<b>51,818</b>	<b>56,162</b>	<b>55,718</b>
Carbon Offsets	0	0	0
Green tariffs	(12,773)	(11,916)	(28,902)
<b>Total annual net emissions</b>	<b>39,045</b>	<b>44,246</b>	<b>26,816</b>
<b>Intensity measurement 'Tonnes of CO<sub>2</sub>e per £m Total Income'</b>	<b>137.39</b>	<b>151.79</b>	<b>157.30</b>

## 1. Company Information

- 1.1. Wirral Council is the ninth largest Metropolitan district in the country, and the third largest in the north west of England.
- 1.2. Wirral Council is based at: Town Hall, Brighton Street, Wallasey, Wirral, CH44 8ED

## 2. Reporting Period

- 2.1. The reporting period is the financial year from 1 April 2010 to 31 March 2011.
- 2.2. This report includes information derived from data prepared for National Indicators 185 & 194 for the 2009/10 and 2008/09 financial years. Data for 2010/11 was derived in an identical manner.

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### **3. Change in Emissions**

- 3.1. Gross emissions have reduced despite harsh winter conditions at the end of 2010. The principle reason is the disposal of a number of Council properties.
- 3.2. The amount of electrical energy supplied from green sources rose due to contractual changes.

### **4. Approach**

- 4.1. The Government publication "Guidance on how to measure and report on your greenhouse gas emissions" (DECC/DEFRA September 2009) has been used to prepare this Greenhouse Gas Emissions report.
- 4.2. The DECC/DEFRA Microsoft Excel spreadsheet version 1.2.1 FINAL (updated 06/10/2010) downloaded 31/03/2011 was used to calculate emissions in kg CO<sub>2</sub>e (Carbon Dioxide Equivalent).

### **5. Organisational Boundary**

- 5.1. The organisational boundary has been established using the financial control approach for all sites that were reported for National Indicators (NI's) 185 & 194 to ensure consistency.

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### 6. Operational Scopes

- 6.1. Scope 1, Scope 2 and significant Scope 3 emissions have been measured and are reported.

	GHG emissions 2010/11 in tonnes CO <sub>2</sub> e	State specific exclusions and % this represents for relevant scope (excluding geographic exclusions)
<b>Scope 1</b>		
Oil Consumption	2,313	
Natural Gas Consumption	15,234	
Owned Transport	1,033	
Process emissions	0	Not applicable – Wirral Council operates no industrial processes as describes in the guidance.
Fugitive Emissions	Not reported	Emissions from air-conditioning and refrigeration units are excluded due to the cost of data collection. These types of units are not installed in all buildings.
<b>Total scope 1</b>	<b>18,581</b>	
<b>Scope 2</b>		
Purchased electricity	26,294	
<b>Total scope 2</b>	<b>26,294</b>	
<b>Significant Scope 3</b>		
Purchased energy and fuels	5,545	
Business travel	1,063	
Water	336	
<b>Total significant scope 3</b>	<b>6,943</b>	

### 7. Geographic Breakdown

- 7.1. All Wirral Council's activities are UK based.

Geographical breakdown			
2010	Tonnes of CO <sub>2</sub> e		
	Scope 1	Scope 2	Scope 3
Total Global	18,581	26,294	6,943
UK	18,581	26,294	6,943

### 8. Base year

- 8.1. A base year of 2008/09 (01/04/08 to 31/03/09) has been selected. This was the baseline year for NI 185 & 194 for which energy data was submitted to DECC, verified by their agents and returned to the Council.
- 8.2. The Energy consumption information for 2008/09, previously used to calculate CO<sub>2</sub> emissions has been used to calculate greenhouse gas (GHG) emissions expressed as CO<sub>2</sub>e (carbon dioxide equivalent).

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- 8.3. The base year recalculation policy is to recalculate our base year and the prior year following significant structural changes or improvements to measuring methods. The initial significance threshold is 5% of total gross base year emissions.

### **9. Targets**

- 9.1. Wirral Council is committed to reducing its CO<sub>2</sub> emissions by 60% by 2025 and to adapt to the changes in climate that will occur.
- 9.2. In order to ensure this target is met, the Council produces a Carbon Budget to set annual reduction targets and to measure progress. The currently annual CO<sub>2</sub> reduction target is 5%.

### **10. Intensity Measurement**

- 10.1. The intensity measurement used is "Tonnes of CO<sub>2</sub>e per £m Total Income". The income figure is obtained from the Council Budget 2011/12 report dated 21 February 2011.
- 10.2. The intensity measurement has fallen for 2009/10 as the total income for the Council has risen by 1.7% whilst gross emissions reduced by 7.7%.

### **11. External Assurance Statement**

- 11.1. No external independent assurance statement has been commissioned to cover the reporting period.

### **12. Carbon Offsets**

- 12.1. Wirral Council has not purchased any carbon credits over the reporting period.

### **13. Green Tariffs**

- 13.1. Over the 2009/10 financial year Wirral Council purchased electricity for 404 metered supply points and for 6 un-metered MPAN's (Meter Point Administration Numbers).
- 13.2. Over the reporting period, all 6 un-metered MPAN's were supplied 10% electricity from renewable sources by EDF as specified in their contract document.
- 13.3. Over the reporting period, all 24 Half Hourly Metered (HHM) sites were supplied 100% electricity from renewable sources by EDF as specified in their contract document.
- 13.4. Over the reporting period, all non half-hourly sites supplied by British Gas Business under the OGC Buying Solutions framework

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agreement were supplied 10% electricity from renewable sources and 15% electricity from good quality CHP (Combined Heat and Power) as specified in their contract document.

Report Author: Andrew Snow, Energy Conservation Engineer

Telephone: 0151 606 2348

Email: [andrewsnow@wirral.gov.uk](mailto:andrewsnow@wirral.gov.uk)