

Greenhouse Gas Emissions

Sharing information on Greenhouse Gas Emissions
from Local Authority Own Estates and Operations,
2011 to 2013

October 2013



1. Introduction

- 1.1 This document contains Chorley Council's greenhouse gas emissions for the periods April 2010 to March 2011, April 2011 to March 2012, and April 2012 to March 2013. Government guidance on how to measure and report greenhouse gases have been followed. The financial control approach has been used.
- 1.2 The most widely accepted approach to identifying which activities in an organisation are responsible for greenhouse gas emissions is to identify and categorise emissions-releasing activities into three groups (known as scopes). The three scopes are:
- Scope 1 (Direct emissions): Activities owned or controlled by your organisation that release emissions straight into the atmosphere. They are direct emissions. Examples of scope 1 emissions include emissions from combustion in owned or controlled boilers, furnaces, vehicles; emissions from chemical production in owned or controlled process equipment.
 - Scope 2 (Energy indirect): Emissions being released into the atmosphere associated with your consumption of purchased electricity, heat, steam and cooling. These are indirect emissions that are a consequence of your organisation's activities but which occur at sources you do not own or control.
 - Scope 3 (Other indirect): Emissions that are a consequence of your actions, which occur at sources which you do not own or control and which are not classed as scope 2 emissions. Examples of scope 3 emissions are business travel by means not owned or controlled by your organisation, waste disposal, or purchased materials or fuels.
- 1.3 Total emissions for 2010/11 and 2011/12 have been recalculated to ensure that they are as accurate as possible and are consistent with methods used to calculate 2012/13 emissions including the use of 2012 emissions factors.

2. GHG emissions data

- 2.1 *Table 1* shows greenhouse gas emissions data for 2010/11, 2011/12 and 2012/13. Chorley Borough Council (direct and indirectly) emitted 2,653 tonnes of CO₂e¹ in 2011/12. In 2012/13 total emissions were reduced by 4.38% to 2,536 tonnes of CO₂e

Table 1: GHG emissions data for period 1st April 2010 to 31st March 2013

| Tonnes of CO₂e | | | |
|-----------------------------------|-----------------|-----------------|-----------------|
| | 2010/11 | 2011/12 | 2012/13 |
| <u>Scope 1</u> | | | |
| Gas Consumption | 234.77 | 199.48 | 268.49 |
| Owned Transport | 106.22 | 81.96 | 81.06 |
| Air Conditioning | 44.21 | 44.21 | 44.21 |
| Total Scope 1 | 385.21 | 325.64 | 393.76 |
| <u>Scope 2</u> | | | |
| Purchased Electricity | 474.89 | 490.81 | 414.56 |
| Total Scope 2 | 474.89 | 490.81 | 414.56 |
| <u>Significant Scope 3</u> | | | |
| Leisure Centre Operator | 1,172.59 | 1,161.75 | 1,138.40 |
| Waste Contractor Transport | 702.16 | 651.52 | 577.24 |
| Business Travel | 33.53 | 22.81 | 12.29 |
| Total Scope 3 | 1,908.28 | 1,836.09 | 1,727.93 |
| TOTAL | 2,768.38 | 2,652.54 | 2,536.25 |
| % change | | -4.18% | -4.38% |

- 2.2 *Table 1* shows that progress has been made in reducing greenhouse gas emissions since 2010/11. Chorley Borough Council aims to continue reducing greenhouse gas emissions from its estate and operations.

¹ carbon dioxide equivalents (CO₂e)

