APPENDIX B: WEATHER CORRECTED EMISSIONS

The Green House Gas (GHG) emissions for 2010/11 presented below include a weather correction calculation that is applied to the GHG emissions created from the consumption of natural gas, to take account of the weather experienced during the time period the data relates to. They are useful as a comparison to the absolute emissions data presented in the report as they indicate possible factors affecting the emissions data.

Table 1: Weather Corrected GHG Emissions Data 2010/11 (tonnes)

Emissions Summary	Year	2010/11

Maidstone Borough Council - Carbon Footprint			
GHG Emissions Data for Period 1 April 2009 to 31 March 2010 and 1 April 2010 to 31 March 2011			
	Tonnes CO_2e	Tonnes CO_2e	Base Line Year
	2010/11	2009/10	2008/09
Scope 1[1]	3,401	3,080	3,794
Scope 2[2]	1,899	1,880	1,848
Scope 3[3]	836	810	880
Outside of Scope (not included in gross emissions)[4]	34	9	7
Total Gross Emissions	**6,136**	**5,771**	**6,522**
Carbon Offsets / Green Tariff	0	0	0
Total Annual Net Emissions	**6,136**	**5,771**	**6,522**

[1] Includes all natural gas use by Council owned buildings and those operated by the Council. Furthermore includes all emissions from owned or controlled vehicles including the Waste Collection Service and Park and Ride Service.

[2] Includes the consumption of all purchased electricity associated with Council operations.

[3] Includes all emissions associated with water supply, the transportation of purchased fuels (the Scope 3 emissions associated with Scope 1 emissions), employee business travel by non-owned means, electricity related activities (the Scope 3 emissions associated with the Scope 2 emissions) and the Scope 3 emissions associated with the Biomass Boiler

[4] Accounts for the amount of CO_2 emitted by the biomass when it is combusted, which will be equivalent to the CO_2 absorbed in the growth of the biomass. This is not included in the Scopes as the CO_2 would have been emitted anyway when the plants - from which the biomass is derived - decayed naturally at the end of their life.

Table 2: Weather Corrected GHG Emissions – scope breakdown (tonnes)

Emissions - Scope Breakdown

	GHG Emission 2010/11 tonnes CO_2e	**GHG Emission 2009/10 tonnes CO_2e**	**GHG Emission 2008/09 tonnes CO_2e**
Scope 1			
Fuel Consumption - Buildings	1,640	1,331	1,806
Owned / Controlled Transport	1,762	1,750	1,988
Total Scope 1	**3,401**	**3,080**	**3,794**
Scope 2			
Purchased Electricity	1,899	1,880	1,848
Total Scope 2	**1,899**	**1,880**	**1,848**
Scope 3			
Water Supply	7	7	9
Business Travel	85	94	75
Transport Emissions from Fuel Use	493	460	552
Transport Emissions from Biomass Boiler Use	2	0	0
Emissions associated production of Electricity	250	248	244
Total Scope 3	**836**	**810**	**880**

Figure 1: Comparison between Absolute and Weather Corrected Data

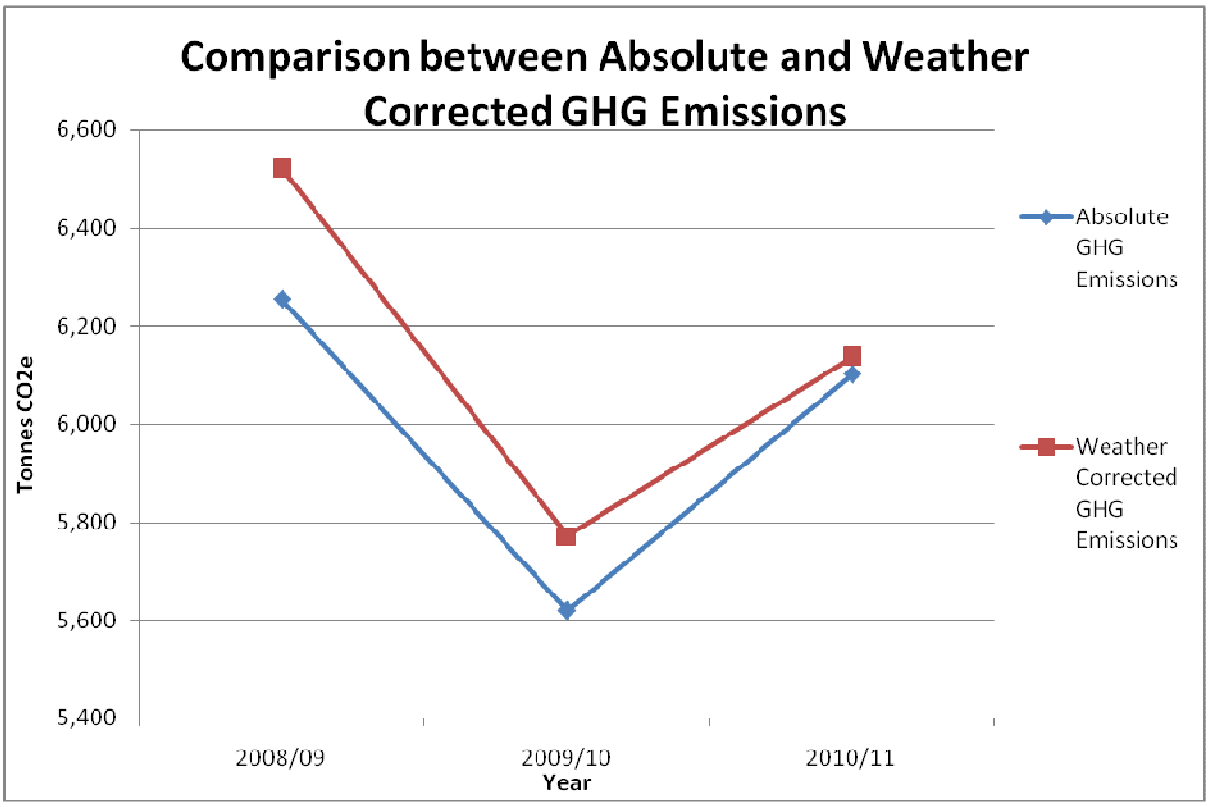

Figure 2: Progress against targets using Weather Corrected Data