

Greenhouse Gas Emissions - Lancashire County Councils 2013/14

2009/10	Units	Fuel Used	CO2e Conversion Factor	CO2e Emissions Tonnes
<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
Gas oil used in schools	litres			
Gas oil used in corporate vehicles	litres			
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	1.49290	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
Total Scope 1 emissions				45,914
<i>Scope 2- energy indirect emissions</i>				
Electricity used in schools	kWh	62,489,624	0.49381	30,858
Electricity used in corporate buildings	kWh	30,180,451	0.49381	14,903
Electricity used in streetlighting	kWh	66,524,919	0.49381	32,851
Total Scope 2 emissions				78,612
<i>Scope 3 - other indirect emissions</i>				
Staff business mileage	miles	16,369,997	0.33515	5,486
Electricity transmission and distribution schools	kWh	62,489,624	0.0391	2,443
Electricity transmission and distribution corporate buildings	kWh	30,180,451	0.0391	1,180
Electricity transmission and distribution streetlighting	kWh	66,524,919	0.0391	2,601
Total Scope 3 emissions				11,711
Total emissions				136,237

Greenhouse Gas Emissions - Lancashire County Councils 2013/14

2010/11	Units	Fuel Used	CO2e Conversion Factor	CO2e Emissions Tonnes
<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 vehicles	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	-	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
Total Scope 1 emissions				50,057
<i>Scope 2 - energy indirect emissions</i>				
Electricity used in schools	kWh	65,384,525	0.48531	31,732
Electricity used in corporate buildings	kWh	35,521,163	0.48531	17,239
Electricity used in streetlighting	kWh	65,340,720	0.48531	31,711
Total Scope 2 emissions				80,681
<i>Scope 3 - other indirect emissions</i>				
Staff business mileage	miles	15,127,898	0.33515	5,070
Electricity transmission and distribution	kWh	65,384,525	0.03908	2,555
Electricity transmission and distribution	kWh	35,521,163	0.03908	1,388
Electricity transmission and distribution	kWh	65,340,720	0.03908	2,554
Total Scope 3 emissions				11,567
Total emissions				142,305

Greenhouse Gas Emissions - Lancashire County Councils 2013/14

2011/12	Units	Fuel Used	CO2e Conversion Factor	CO2e Emissions Tonnes
Scope 1 - direct emissions				
Gas used in schools	kWh	109,266,624	0.18360	20,061
Gas used in corporate buildings	kWh	50,458,793	0.18360	9,264
Burning oil used in schools	Litres	2,095,802	2.5421	5,328
Burning oil used in corporate buildings	Litres	1,370,134	2.5421	3,483
Gas oil used in schools	Litres	-	0.27857	0
Gas oil used in corporate vehicles	Litres	-	0.27857	0
Petrol used in fleet vehicles	Litres	75,404	2.2450	169
Diesel used in fleet vehicles	Litres	923,723	2.6676	2,464
LPG used in fleet vehicles	Litres	-	1.4918	0
Gas oil used in fleet vehicles	Litres	293,227	3.0595	897
Biodiesel used in fleet vehicles	Litres	1,078,974	2.5397	2,740
Total Scope 1 emissions				44,407
Scope 2 - energy indirect emissions				
Electricity used in schools	kWh	64,049,226	0.45205	28,953
Electricity used in corporate buildings	kWh	35,158,410	0.45205	15,893
Electricity used in streetlighting	kWh	59,178,301	0.45205	26,752
Total Scope 2 emissions				71,598
Scope 3 - other indirect emissions				
Staff business mileage	Miles	11,553,326	0.32926	3,804
Electricity transmission and distribution	kWh	64,049,226	0.03863	2,474
Electricity transmission and distribution	kWh	35,158,410	0.03863	1,358
Electricity transmission and distribution	kWh	59,178,301	0.03863	2,286
Total Scope 3 emissions				9,922
Total emissions				125,928

Greenhouse Gas Emissions - Lancashire County Councils 2013/14

2012/13	Units	Fuel Used	CO2e Conversion Factor	CO2e Emissions Tonnes
Scope 1 - direct emissions				
Gas used in schools	kWh	137,081,208	0.1840	25,228
Gas used in corporate buildings	kWh	46,341,602	0.1840	8,527
Burning oil used in schools	Litres	1,911,466	2.5380	4,851
Burning oil used in corporate buildings	Litres	607,220	2.5380	1,541
Gas oil used in schools	Litres	-	2.9343	0
Gas oil used in corporate vehicles	Litres	-	2.9343	0
Petrol used in fleet vehicles	Litres	62,355	2.3104	144
Diesel used in fleet vehicles	Litres	983,851	2.6705	2,627
LPG used in fleet vehicles	Litres	-	1.4929	0
Gas oil used in fleet vehicles	Litres	433,937	2.9343	1,273
Biodiesel used in fleet vehicles	Litres	1,161,036	2.6008	3,020
Total Scope 1 emissions				47,212
Scope 2 - energy indirect emissions				
Electricity used in schools	kWh	67,315,466	0.46002	30,966
Electricity used in corporate buildings	kWh	23,879,408	0.46002	10,985
Electricity used in streetlighting	kWh	65,126,370	0.46002	29,959
Total Scope 2 emissions		67,345,466		71,911
Scope 3 - other indirect emissions				
Staff business mileage	Miles	11,849,041	0.3061	3,628
Electricity transmission and distribution	kWh	67,315,466	0.03634	2,446
Electricity transmission and distribution	kWh	23,879,408	0.03634	868
Electricity transmission and distribution	kWh	65,126,370	0.03634	2,367
Total Scope 3 emissions				9,308
Total emissions				128,431

Greenhouse Gas Emissions - Lancashire County Councils 2013/14

2013/14	Units	Fuel Used	CO2e Conversion Factor	CO2e Emissions Tonnes
Scope 1 - direct emissions				
Gas used in schools	kWh	104,951,633	0.18404	19,315
Gas used in corporate buildings	kWh	56,635,542	0.18404	10,423
Burning oil used in schools	Litres	1,878,979	2.53800	4,769
Burning oil used in corporate buildings	Litres	685,391	2.53800	1,740
Gas oil used in schools	Litres		2.93430	0
Gas oil used in corporate vehicles	Litres		2.93430	0
Petrol used in fleet vehicles	Litres	53,623	2.21440	119
Diesel used in fleet vehicles	Litres	1,062,137	2.60080	2,762
LPG used in fleet vehicles	Litres	-	1.49290	0
Gas oil used in fleet vehicles	Litres	286,387	2.93430	840
Biodiesel used in fleet vehicles	Litres	1,152,413	2.60080	2,997
Total Scope 1 emissions				42,966
Scope 2 - energy indirect emissions				
Electricity used in schools	kWh	69,103,780	0.44548	30,784
Electricity used in corporate buildings	kWh	23,147,800	0.44548	10,312
Electricity used in streetlighting	kWh	59,576,633	0.44548	26,540
Total Scope 2 emissions				67,636
Scope 3 - other indirect emissions				
Staff business mileage	Miles	12,165,211	0.30615	3,724
Electricity transmission and distribution	kWh	69,103,780	0.03809	2,632
Electricity transmission and distribution	kWh	23,147,800	0.03809	882
Electricity transmission and distribution	kWh	59,576,633	0.03809	2,269
Total Scope 3 emissions				9,507
Total emissions (in scope)				120,109
Outside of Scope (Biofuel)				
Petrol used in fleet vehicles	Litres	53,623	0.06351	3
Diesel used in fleet vehicles	Litres	1,062,137	0.06556	70
Biodiesel used in fleet vehicles	Litres	1,152,413	0.06556	76
Total - (outside of scope)				149
Total emissions				120,258

Greenhouse Gas Emissions - Lancashire County Councils 2013/14

	Summary - CO2e emissions tonnes				
	2009/10	2010/11	2011/12	2012/13	2013/14
Scope 1 - direct emissions					
Gas used in schools	24,711	25,504	20,061	25,228	19,315
Gas used in corporate buildings	9,424	10,278	9,264	8,527	10,423
Burning oil used in schools	3,018	7,048	5,328	4,851	4,769
Burning oil used in corporate buildings	2,072	1,116	3,483	1,541	1,740
Gas oil used in schools	0	2,141	0	0	0
Gas oil used in corporate vehicles	0	207	0	0	0
Petrol used in fleet vehicles	143	141	169	144	119
Diesel used in fleet vehicles	2,580	2,445	2,464	2,627	2,762
LPG used in fleet vehicles	3	0	0	0	0
Gas oil used in fleet vehicles	1,008	897	897	1,273	840
Biodiesel used in fleet vehicles	2,954	2,626	2,740	3,020	2,997
Total Scope 1 emissions	45,914	50,057	44,407	47,212	42,966
Scope 2 - energy indirect emissions					
Electricity used in schools	30,858	31,732	28,953	30,966	30,784
Electricity used in corporate buildings	14,903	17,239	15,893	10,985	10,312
Electricity used in streetlighting	32,851	31,711	26,752	29,959	26,540
Total Scope 2 emissions	78,612	80,681	71,598	71,911	67,636
Scope 3 - other indirect emissions					
Staff business mileage	5,486	5,070	3,804	3,628	3,724
Total Scope 3 emissions	11,711	11,567	9,922	9,308	9,507
Total emissions	136,237	142,305	125,928	128,431	120,109
Outside of Scope (Biofuel)					
Petrol used in fleet vehicles					3
Diesel used in fleet vehicles					70
Biodiesel used in fleet vehicles					76
Total - (outside of scope)					149







