

University of Bristol CO2e emissions recorded via the ISO 14064 Process

John Brenton 2018-04-13

Business unit tCO2e Emissions	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
Hospital Estate	2,904	2,956	2,928	2,594	2,272	2,259	2,301	1,320	1,233	1,969
Leased Residences	-	-	-	-	-	2,158	2,470	2,333	1,778	2,367
UoB Non-Residential Estate	37,078	38,390	36,986	35,701	35,403	37,264	37,585	38,108	36,040	34,179
UoB Residential Estate	9,248	9,237	9,293	9,099	8,374	8,931	8,462	8,389	7,831	6,516
UoB Other	1,606	1,606	1,609	1,016	1,038	858	518	412	386	-
Vehicles and Travel	6,054	5,395	5,450	4,702	5,250	7,335	6,937	7,307	7,891	9,516
Total	56,891	57,584	56,266	53,111	52,338	58,805	58,274	57,869	55,159	54,546
Scope 1 & 2 from UoB Estates	47,933	49,233	47,888	45,816	44,816	47,052	46,566	46,909	44,257	40,695
% change from UoB Estates since 07/08	0.0%	2.7%	-0.1%	-4.4%	-6.5%	-1.8%	-2.9%	-2.1%	-7.7%	-15.1%

FTE & Income	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
FTE Staff and Students	(no data)	21,360	24,628	22,122	22,536	23,734	24,596	26,384	26,395	28,332
Income in Pounds Sterling	347,300,000	373,300,000	385,300,000	408,800,000	426,700,000	459,200,000	485,500,000	530,900,000	553,400,000	608,000,000

KPI	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
tCO2e per FTE Staff and Students		2.70	2.28	2.40	2.32	2.48	2.37	2.19	2.09	1.93
tCO2e per £m	164	154	146	130	123	128	120	109	100	90

By Scope	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
Scope 1	17,376	17,462	17,038	16,865	15,929	18,572	15,391	16,154	14,665	15,206
Scope 2	29,552	30,707	29,788	28,181	27,846	29,592	32,606	31,345	29,640	26,924
Scope 3 Mandatory	9,963	9,414	9,441	8,065	8,562	10,641	10,277	10,369	10,854	12,416
Scope 3 Additional	0	0	0	0	0	0	0	0	0	0
Scope 3 One time	0	0	0	0	0	0	0	0	0	0
Total gross emissions	56,891	57,584	56,266	53,111	52,338	58,805	58,274	57,869	55,159	54,546

UoB Estates Consumption	2007/2008	2008/2009	2009/2010	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017
Electricity kWh	56,797,867	57,779,106	56,645,916	56,715,611	57,623,495	57,764,861	60,636,549	59,496,404	62,789,282	64,224,955
Gas kWh	85,570,788	86,404,813	85,326,506	83,793,044	80,019,372	93,570,323	78,663,494	83,721,376	73,164,257	75,293,114
Oil kWh	1,017,093	1,036,272	342,430	442,556	383,936	407,357	362,969	317,167	227,758	252,265
Steam kWh	534,832									
Total Energy Consumption kWh	143,920,580	145,220,191	142,314,852	140,951,211	138,026,803	151,742,541	139,663,012	143,534,947	136,181,297	139,770,334
Water m3	429,391	448,713	445,265	448,161	416,403	367,037	379,022	384,067	354,425	353,121