

# Harlow council greenhouse gas emissions: annual comparison

## Annual emissions 2023 to 2024

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total energy produced by renewable resources (kg CO2e)	Total (kg CO2e)
Natural gas	681,531		112,552		794,083
Electricity		332,731	28,786	-361,517	28,786
Operational vehicles - petrol					
Operational vehicles - diesel	12,940		3,168		16,108
Staff business travel	16,119		4,199		20,318
Veolia fleet	239,709		58,298		298,007
HTS (Property and Environment) Ltd fleet	422,038		103,219		525,257
HTS (Property and Environment) Ltd LPG	75,484		18,223		93,707
Biomass	10		37		47

## Annual emissions 2022 to 2023

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total energy produced by renewable resources (kg CO2e)	Total (kg CO2e)
Natural gas	709,995		117,253		827,248
Electricity		368,305	31,864	-400,169	0
Operational vehicles - petrol					
Operational vehicles - diesel	10,918		2,672		13,590

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total energy produced by renewable resources (kg CO2e)	Total (kg CO2e)
Staff business travel	11,797		3,074		14,871
Veolia fleet	225,823		54,921		280,744
HTS (Property and Environment) Ltd fleet	397,774		97,302		495,076
HTS (Property and Environment) Ltd LPG	81,879		19,563		101,442
Biomass	30		104		134

## Annual emissions 2021 to 2022

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total energy produced by renewable resources (kg CO2e)	Total (kg CO2e)
Natural gas	803,093		137,451		940,545
Electricity		395,270	34,979	-430,249	0
Operational vehicles - petrol	934		261		1,196
Operational vehicles - diesel	11,379		2,803		14,270
Staff business travel	11,281		2,980		14,359
Veolia fleet	187,957		45,591		233,548
HTS (Property and Environment) Ltd fleet	404,596		98,895		503,492
HTS (Property and Environment) Ltd LPG	153,008		35,880		188,888
Biomass	26		65		92

## Annual emissions 2020 to 2021

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total energy produced by renewable resources (kg CO2e)	Total (kg CO2e)
Natural gas	763,560		99,291		862,852
Electricity		374,314	32,191	-406,505	0
Operational vehicles - petrol	713		197		910
Operational vehicles - diesel	10,261		2,475		12,736
Staff business travel	11,281		2,899		14,181
Veolia fleet	223,512		53,490		277,011
HTS (Property and Environment) Ltd fleet	350,503		84,116		434,619
HTS (Property and Environment) Ltd LPG	28,367		3,469		31,835

## Annual emissions 2019 to 2020

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total energy produced by renewable resources (kg CO2e)	Total (kg CO2e)
Natural gas	642,606		83,572		726,179
Electricity		509,334	43,242	-552,575	0
Operational vehicles - petrol	67		18		85
Operational vehicles - diesel	15,922		3,811		19,733
Staff business travel	25,152		6,411		31,563
Veolia fleet	224,479		53,933		278,412
HTS (Property and Environment) Ltd fleet	429,391		102,807		532,198
HTS (Property and Environment) Ltd LPG	63,302		7,960		71,262

## Annual emissions 2018 to 2019

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	570,745		79,332	650,078
Electricity		574,030	48,933	622,963
Operational vehicles - petrol	47		13	59
Operational vehicles - diesel	16,464		3,932	20,396
Staff business travel	29,426		7,476	36,902
Veolia fleet	305,243		72,684	377,927
HTS (Property and Environment) Ltd fleet	481,084		114,881	559,964
HTS (Property and Environment) Ltd LPG	41,678		5,241	46,919

## Annual emissions 2017 to 2018

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	799,916		108,544	908,460
Electricity		698,246	65,284	763,531
Operational vehicles - petrol	8,064		532	8,596
Operational vehicles - diesel	6,535		1,571	8,105
Staff business travel	30,328		7,917	38,845
Veolia fleet	305,233		73,346	378,579
HTS (Property and Environment) Ltd fleet	461,615		111,025	572,640
HTS (Property and Environment) Ltd LPG	7,397		6,538	13,935

## Annual emissions 2016 to 2017

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	674,535		91,614	766,148

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Electricity		909,650	82,776	997,934
Operational vehicles - petrol	0		9	9
Operational vehicles - diesel	18,308		3,839	22,277
Staff business travel	36,368		7,343	43,979
Veolia fleet	283,041		59,439	344,949
Kier Harlow Ltd and HTS (Property and Environment) Ltd fleet	356,404		74,725	433,717
Kier Harlow Ltd and HTS (Property and Environment) Ltd LPG	0		0	0

## Annual emissions 2015 to 2016

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	541,358		73,526	614,884
Electricity		930,718	84,184	1,014,902
Operational vehicles - petrol	4,459		881	5,340
Operational vehicles - diesel	16,985		3,536	20,521
Staff business travel	44,263		8,872	53,135
Veolia fleet	153,958		32,052	186,010
Kier Harlow Ltd fleet	343,837		71,563	415,400
Kier Harlow Ltd LPG	0		0	0

## Annual emissions 2014 to 2015

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	690,293		93,117	784,834
Electricity		1,035,637	86,216	1,130,188

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Operational vehicles - petrol	2,850		561	3,411
Operational vehicles - diesel	11,855		2,607	14,545
Staff business travel	42,678		9,228	51,906
Veolia fleet	164,400		35,894	200,295
Kier Harlow Ltd fleet	488,212		118,989	607,200
Kier Harlow Ltd LPG	6,240		784	13,256

## Annual emissions 2013 to 2014

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	758,109		101,765	859,874
Electricity		1,141,201	99,793	1,240,994
Operational vehicles - petrol	33		0	0
Operational vehicles - diesel	16,532		3,596	20,128
Staff business travel	45,838		9,413	55,251
Veolia fleet			171,060	171,060
Kier Harlow Ltd fleet			587,369	587,369

## Annual emissions 2012 to 2013

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	916,702		94,734	1,011,463
Electricity		1,202,646	160,216	1,363,155
Operational vehicles - petrol	80		14	95
Operational vehicles - diesel	6,895		1,475	8,421

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Staff business travel	48,719		9,882	58,901
Veolia fleet			194,995	194,995
Kier Harlow Ltd fleet			846,895	846,895

## Annual emissions 2011 to 2012

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	817,427		79,917	897,344
Electricity		1,270,127	167,197	1,437,324
Operational vehicles - petrol	80		14	94
Operational vehicles - diesel	20,596		1,978	12,275
Staff business travel	118,442		10,701	69,922
Veolia fleet			265,138	265,138
Kier Harlow Ltd fleet			673,986	673,986
Kier Harlow Ltd LPG			16,691	16,691

## Annual emissions 2010 to 2011

Emission	Scope 1 (kg CO2e)	Scope 2 (kg CO2e)	Scope 3 (kg CO2e)	Total (kg CO2e)
Natural gas	1,177,669		114,378	1,292,048
Electricity		1,600,542	210,922	1,811,465
Operational vehicles - petrol	15,492		2,776	18,268
Operational vehicles - diesel	5,565		1,067	6,633
Staff business travel			76,832	76,832
Veolia fleet			290,888	290,888
Kier Harlow Ltd fleet			409,666	409,666
Kier Harlow Ltd LPG			32,434	32,434

