

Harlow council greenhouse gas emissions: Annual comparison

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 |

| Emission | Scope 1 (kg CO2e) | Scope 2 (kg CO2e) | Scope 3 (kg CO2e) | Total energy produced by renewable resources (kg CO2e) | Total (kg CO2e) |
|--|-------------------|-------------------|-------------------|--|-----------------|
| 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 | 595,965 |

| Emission | Scope 1 (kg CO2e) | Scope 2 (kg CO2e) | Scope 3 (kg CO2e) | Total (kg CO2e) |
|---|-------------------|-------------------|-------------------|-----------------|
| 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 |
| 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 |
| 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 |

| Emission | Scope 1 (kg CO2e) | Scope 2 (kg CO2e) | Scope 3 (kg CO2e) | Total (kg CO2e) |
|-------------------------------|-------------------|-------------------|-------------------|-----------------|
| 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 |
| 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 |

