## Streamlined energy carbon reporting (SECR 2023)

Mandatory reporting as follows:

Clectricity	Streamlined Energy & Carbon Reporting	2016/17	2021/22	2022/23	% Annua Change
Company   Comp	Factor Year		2022	2023	(21/22 v 22/23
Company   Comp	Energy consumption (kWh)				
Transport fuels	Electricity	_	3,381,655.60	3,066,029.73	-99
Delication of the stationary fuels	Gas	_	6,198,885.75	6,303,347.24	29
Fotal energy consumption (kWh)	Transport fuels	_	1,331,086.03	1,057,180.11	-219
April   Apri	Other stationary fuels	-	94,968.16	63,737.42	-339
Compagn   Comp	Total energy consumption (kWh)	-	11,006,595.54	10,490,294.50	-5%
Emissions from combustion of gas in buildings — 1,131.54 1,153.06 2 2 2 2 2 2 1,733.82 — 1,131.54 1,153.06 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Emissions (tCO <sub>2</sub> e)	4,115.39	2,655.61	2,527.65	-59
### Series from combustion of fuel for transport purposes	Scope 1				
Compagney   Comp	Emissions from combustion of gas in buildings	_	1,131.54	1,153.06	29
1,900.99   1,319.48   1,307.99   1,319.48   1,307.99   1,319.48   1,307.99   1,319.48   1,307.99   1,319.48   1,307.99   1,319.39   1,319.39	Emissions from combustion of fuel for transport purposes	-	166.56	141.29	-15°
Comparison   Com	Emissions from combustion of other stationary fuels	_	21.38	13.63	-36°
Emissions from purchased electricity (location-based*)  Intensisions from purchased electricity (market-based**)  Intensisions from purchased electricity (market-based**)  Intensisions from purchased electricity (market-based**)  Intensity ratio: tCO <sub>2</sub> e /£ million turnover	Total Scope 1	1,900.99	1,319.48	1,307.99	-19
Emissions from purchased electricity (market-based**) – 22.50 6.85 -70 cocepe 1 & 2 countries to Cocepe 1 & 2 emissions (location-based*) 3,650.32 1,978.48 1,949.73 -70 cotal Scope 1 & 2 emissions (market-based**) – 1,341.99 1,314.83 -72 cocepe 3	Scope 2				
Scope 1 & 2         Total Scope 1 & 2 emissions (location-based*)       3,650.32       1,978.48       1,949.73       -1         Total Scope 1 & 2 emissions (market-based**)       -       1,341.99       1,314.83       -2         Scope 3       -       -       1,341.99       1,314.83       -2         Category 6: Emissions from business travel in rental cars fuel purchased       -       203.93       139.63       -32         Category 3: Upstream emissions from purchased fuel and energy location-based*)       -       473.20       439.12       -7         Category 3: Upstream emissions from purchased fuel and energy market-based**)       -       297.00       279.35       -6         Total emissions tCO <sub>2</sub> e location-based*)       4,115.39       2,655.61       2,528.47       -5         Total emissions tCO <sub>2</sub> e market-based**)       -       1,842.92       1,733.82       -6         Total emissions tCO <sub>2</sub> e market-based**)       -       1,842.92       1,733.82       -6         Intensity (Scope 1 & 2 only)       -       1,842.92       1,733.82       -6         Intensity ratio: tCO <sub>2</sub> e / £ million turnover       34.84       20.35       21.87       7	Emissions from purchased electricity (location-based*)	1,749.33	658.99	641.74	-30
Total Scope 1 & 2 emissions (location-based*)  3,650.32  1,978.48  1,949.73  - 1,341.99  1,314.83  - 2  Category 6: Emissions from business travel in rental cars fuel purchased)  Category 3: Upstream emissions from purchased fuel and energy location-based*)  Category 3: Upstream emissions from purchased fuel and energy market-based***)  - 473.20  439.12  -7  Category 3: Upstream emissions from purchased fuel and energy market-based**)  - 297.00  279.35  -6  Total emissions tCO <sub>2</sub> e location-based*)  A,115.39  A,	Emissions from purchased electricity (market-based**)	_	22.50	6.85	-70°
Total Scope 1 & 2 emissions (market-based**) – 1,341.99 1,314.83 -2  Scope 3  Category 6: Emissions from business travel in rental cars fuel purchased) 465.07 203.93 139.63 -32  Category 3: Upstream emissions from purchased fuel and energy location-based*) – 473.20 439.12 -7  Category 3: Upstream emissions from purchased fuel and energy market-based**) – 297.00 279.35 -6  Total emissions tCO <sub>2</sub> e location-based*) 4,115.39 2,655.61 2,528.47 -5  Total emissions tCO <sub>2</sub> e market-based**) – 1,842.92 1,733.82 -6  Intensity ratio: tCO <sub>2</sub> e / £ million turnover location-based*) 34.84 20.35 21.87 7  Intensity ratio: tCO <sub>2</sub> e / £ million turnover	Scope 1 & 2				
Category 6: Emissions from business travel in rental cars fuel purchased) 465.07 203.93 139.63 -32 Category 3: Upstream emissions from purchased fuel and energy location-based*) - 473.20 439.12 -7 Category 3: Upstream emissions from purchased fuel and energy market-based**) - 297.00 279.35 -6 Total emissions tCO_e location-based*) 4,115.39 2,655.61 2,528.47 -5 Total emissions tCO_e market-based**) - 1,842.92 1,733.82 -6 market-based**) ntensity ratio: tCO_e / £ million turnover location-based*) 34.84 20.35 21.87 7 Intensity ratio: tCO_e / £ million turnover	Total Scope 1 & 2 emissions (location-based*)	3,650.32	1,978.48	1,949.73	-19
Category 6: Emissions from business travel in rental cars fuel purchased) 465.07 203.93 139.63 -32 Category 3: Upstream emissions from purchased fuel and energy location-based*) - 473.20 439.12 -7 Category 3: Upstream emissions from purchased fuel and energy market-based**) - 297.00 279.35 -6 Total emissions tCO2e location-based*) 4,115.39 2,655.61 2,528.47 -5 Total emissions tCO2e market-based**) - 1,842.92 1,733.82 -6 Intensity (Scope 1 & 2 only) Intensity ratio: tCO2e / £ million turnover location-based*) 34.84 20.35 21.87 7 Intensity ratio: tCO2e / £ million turnover	Total Scope 1 & 2 emissions (market-based**)	_	1,341.99	1,314.83	-29
fuel purchased) 465.07 203.93 139.63 -32 Category 3: Upstream emissions from purchased fuel and energy location-based*) - 473.20 439.12 -7 Category 3: Upstream emissions from purchased fuel and energy market-based**) - 297.00 279.35 -6 Total emissions tCO_e location-based*) 4,115.39 2,655.61 2,528.47 -5 Total emissions tCO_e market-based**) - 1,842.92 1,733.82 -6 Intensity (Scope 1 & 2 only) Intensity ratio: tCO_e / £ million turnover location-based*) 34.84 20.35 21.87 7 Intensity ratio: tCO_e / £ million turnover	Scope 3				
	Category 6: Emissions from business travel in rental cars (fuel purchased)	465.07	203.93	139.63	-32°
market-based**) – 297.00 279.35 – 6 Total emissions tCO $_2$ e location-based*) 4,115.39 2,655.61 2,528.47 – 5 Total emissions tCO $_2$ e market-based**) – 1,842.92 1,733.82 – 6 Intensity (Scope 1 & 2 only)  Intensity ratio: tCO $_2$ e / £ million turnover location-based*) 34.84 20.35 21.87 7 Intensity ratio: tCO $_2$ e / £ million turnover	Category 3: Upstream emissions from purchased fuel and energy location-based*)	_	473.20	439.12	-79
Cocation-based*) $^2$   4,115.39   2,655.61   2,528.47   -5	Category 3: Upstream emissions from purchased fuel and energy (market-based**)	_	297.00	279.35	-69
market-based**) – 1,842.92 1,733.82 -6  ntensity (Scope 1 & 2 only)  ntensity ratio: $tCO_2e \neq f$ million turnover location-based*) 34.84 20.35 21.87 7  ntensity ratio: $tCO_2e \neq f$ million turnover	Total emissions tCO <sub>2</sub> e (location-based*)	4,115.39	2,655.61	2,528.47	-59
ntensity ratio: $tCO_2$ e / £ million turnover location-based*) 34.84 20.35 21.87 7 ntensity ratio: $tCO_2$ e / £ million turnover	Fotal emissions tCO <sub>2</sub> e market-based**)	-	1,842.92	1,733.82	-6°
location-based*) $^{2}$ 34.84 20.35 21.87 7 Intensity ratio: tCO $_{2}$ e / £ million turnover	ntensity (Scope 1 & 2 only)				
·	·	34.84	20.35	21.87	79
	·		13.80	14.75	7

Methodology

Greenhouse Gas Protocol Corporate Greenhouse Gas Accounting and Reporting Standard

The energy data for some activities at some of our sites was not accessible when calculating emissions totals for last year's SECR. Alumasc has since deployed a more detailed methodology and worked to fill the gaps in last year's data to present a like-for-like comparison with FY22/23 data collection methodology. Alumasc's new data collection process yielded a near-complete data set for this financial year. Estimations based on Alumasc's available data were made when activity data was absent in FY21/22 and FY22/23.

## **Definitions**

<sup>\*</sup>Location-based approach – reflects the emissions from electricity coming from the national grid energy supply.

<sup>\*\*</sup>Market-based approach – reflects the emissions from the electricity sources or products (energy tariffs), that the consumer has specifically chosen.